



Carryl MacLeod
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6506
CMacleod@chevron.com

October 26, 2015

Mr. Mark Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RECEIVED

By Alameda County Environmental Health 10:08 am, Oct 28, 2015

Dear Mr. Detterman:

Attached for your review is the *Site Investigation Report* for former Chevron-branded service station 91723, located at 9757 San Leandro Street in Oakland, California. This report was prepared by Stantec Consulting Services Inc. (Stantec), upon whose assistance and advice I have relied. I declare under penalty of perjury that the information and/or recommendations contained in the attached report are true and correct, to the best of my knowledge.

If you should have any further questions, please do not hesitate to contact me or the Stantec project manager, Travis Flora, at (408) 356-6124 ext. 238, or travis.flora@stantec.com.

Sincerely,

A handwritten signature in cursive script that reads "Carryl MacLeod".

Carryl MacLeod
Project Manager

Site Investigation Report

Former Chevron-branded Service Station
91723
9757 San Leandro Street
Oakland, California



Prepared for:

Chevron Environmental Management
Company
6101 Bollinger Canyon Road
San Ramon, CA 94583

Submitted by:

Stantec Consulting Services Inc.
15575 Los Gatos Blvd., Building C
Los Gatos, CA 95032

October 26, 2015

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Sign-off Sheet

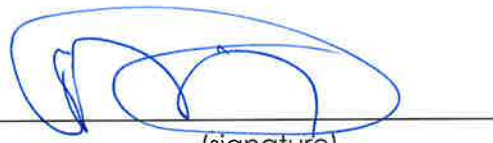
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Prepared by 
(signature)


Devon Owens
Geologic Staff

Reviewed by 
(signature)

Sucheon Sung
Project Specialist

Reviewed by 
(signature)

Travis L. Flora
Associate Project Manager

Reviewed by 
(signature)

Gary P. Messerotes, P.G.
Senior Geologist



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1.0 INTRODUCTION

On behalf of Chevron Environmental Management Company (Chevron), Stantec Consulting Services Inc. (Stantec) is pleased to submit this *Site Investigation Report* for the former Chevron-branded service station 91723, which was located at 9757 San Leandro Street, Oakland, Alameda County, California (Site; shown on **Figure 1**).

1.1 PURPOSE

The purpose of this site investigation was to address data gaps associated with the lateral extent of petroleum hydrocarbons in soil and groundwater, and to evaluate the potential on-site vapor intrusion pathway. Stantec submitted the August 15, 2014, *Response to Technical Comments and Data Gap Work Plan Addendum (Addendum)* for this Site, in response to Alameda County Environmental Health's (ACEH) May 29, 2014, letter to Chevron titled *Request for Data Gap Work Plan Addendum*. ACEH reviewed the *Addendum* and case file and requested a meeting to discuss concerns with the proposed approach, in an email dated October 1, 2014. In the November 7, 2014 meeting, ACEH requested a revised work plan addendum addressing their concerns as expressed during the meeting. In a January 13, 2015 follow-up email, ACEH requested that the revised work plan addendum be submitted by February 20, 2015. ACEH reviewed the revised work plan addendum and responded with technical comments. Stantec performed the work in accordance to ACEH's technical comments regarding the revised addendum. Related correspondence can be found in **Appendix A**.

1.2 SCOPE OF WORK

The scope of work performed during this investigation included the advancement of eleven soil borings (SB-24 through SB-34) and sampling of five soil vapor wells (VP-1 through VP-5). Soil and grab groundwater samples were collected from all soil borings to evaluate the potential remaining soil source area contamination at the Site, and to evaluate media-specific criteria of the State Water Resources Control Board (SWRCB) Low-Threat Underground Storage Tank Case Closure Policy (LTCP). Sample locations are shown on **Figure 2**, and details of the assessment and results are discussed in subsequent sections.

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2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION AND LAND USE

The Site is a former Chevron-branded service station located on the western corner at the intersection of San Leandro Street and 98th Avenue in Oakland, California. The Site is currently a large parking area staging semi-trucks for a distribution company. A former service station operated at the Site from approximately 1946 to 1978. According to available records, Chevron purchased and began operation of the service station in 1968 (Chevron, 1994). Prior to 1966, three fuel USTs and one fuel dispenser island (first generation) located in the eastern portion of the Site were removed. Second-generation fuel structures (installed between 1966 and 1968) included three fuel USTs located in the north-central portion of the Site, one waste oil UST located in the western portion of the Site, and five fuel dispenser islands (four located in the central portion of the Site and one located in the southern portion of the Site). In 1978, the service station was closed and all second-generation fuel structures were removed from the Site (Conestoga-Rovers & Associates [CRA], 2011). A Site Plan with cross-section locations is shown on **Figure 2**.

Land use near the Site consists primarily of commercial and industrial properties. The Site is bounded on the northwest and southwest by a former food processing plant, on the northeast by San Leandro Street followed by railroad tracks, and on the southeast by 98th Avenue followed by commercial businesses. A former Shell-branded service station was located immediately adjacent to and northwest of the Site.

2.2 REGIONAL AND SITE GEOLOGY AND HYDROGEOLOGY

The Site is located within the East Bay Plain Groundwater Basin, which is a subbasin of the Santa Clara Valley Groundwater Basin. The subbasin is comprised chiefly of unconsolidated sediments of Quaternary age with a thickness of approximately 1,000 feet. Deposits in the subbasin include the early Pleistocene age Santa Clara Formation, the late Pleistocene age Alameda Formation, the early Holocene age Temescal Formation, and artificial fill (Department of Water Resources [DWR], 2004).

Soil boring logs associated with this recent investigation are included in **Appendix B**, and select borings and wells are included in the cross-sections shown on **Figure 3** and **Figure 4**. The cross-sections show lithology, most recent (August 24, 2015) and initial depth-to-water (DTW) measurements, historical soil and groundwater sample locations and analytical results, and photoionization detector (PID) readings in soil. As illustrated in the cross-sections, the subsurface beneath the Site consists primarily of fine-grained soils including clay, clayey silt, silty clay, and interbedded with clayey and silty sand and occasional lenses of gravel to the greatest depth explored of 23.5 feet below ground surface (bgs).

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Well construction details, an assessment of whether Third Quarter 2015 groundwater samples were collected when groundwater elevations were measured across the well screen intervals, and historical groundwater elevation data are included in the *Third Quarter 2015 Semi-Annual Groundwater Monitoring Report*, dated October 26, 2015. The historical range of DTW measurements for the Site is approximately 5 to 11.5 feet below top of casing (TOC). During Third Quarter 2015, DTW gauged in wells for the Site ranged from 9.53 to 10.33 feet below TOC, and all active Site wells were screened across the prevailing groundwater table, with the exception of well MW-2 where the groundwater elevation was gauged above the upper screen interval, and the entire screen interval was submerged.

The direction of groundwater flow during Third Quarter 2015 was toward the west at an average hydraulic gradient of approximately 0.002 feet per foot (ft/ft). The historical direction of groundwater flow has predominantly been toward the west, as shown by the historical groundwater flow direction rose diagram (Figure 3 of the *Third Quarter 2015 Semi-Annual Groundwater Monitoring Report*), however, directions of groundwater flow were not included for events where the groundwater flow direction varied.

2.3 PREVIOUS INVESTIGATIONS

Prior to 1966, three fuel USTs and one fuel dispenser island (first generation) located in the eastern portion of the Site were removed. Second-generation fuel structures were installed between 1966 and 1968 and included three fuel USTs located in the north-central portion of the Site, one waste oil UST located in the western portion of the Site, and five fuel dispenser islands (four located in the central portion of the Site and one located in the southern portion of the Site). In 1978, the service station was closed and all second-generation fuel structures were removed from the Site (CRA, 2011). Further documentation on these activities could not be found and it is unknown if soil sampling or excavation of impacted soil, if present, was conducted.

In April 1987, Beta Associates (Beta) oversaw advancement of 10 off-site soil borings (DH-1 through DH-7 and DH-9 through DH-11) and one on-site soil boring (DH-8) to total depths ranging from 1 to 23.5 feet below ground surface (bgs). Borings DH-1 through DH-7 and DH-9 through DH-11 were advanced to investigate potential off-site sources associated with the former food processing plant located northwest and southwest of the Site, while boring DH-8 was advanced to investigate the source associated with the former service station at the Site. Borings DH-1, DH-2, and DH-4 were converted to groundwater monitoring wells MW-1, MW-2, and MW-4, respectively. There is no record of boring DH-3 being converted into a monitoring well (MW-3). Soil samples were not collected for laboratory analysis from boring DH-10. During this investigation, total petroleum hydrocarbons as gasoline range organics (TPH-GRO) and benzene were only detected in one soil sample collected from boring DH-8 at 10 feet bgs at concentrations of 1,017 milligrams per kilogram (mg/kg) and 1.063 mg/kg, respectively. Halogenated volatile organic compounds (HVOCs) were analyzed in the soil samples collected from borings DH-1 through DH-3, DH-5, DH-7, and DH-8, and all concentrations were below laboratory reporting limits (LRLs). Motor oil was analyzed in the soil samples collected from borings DH-1, DH-4 through DH-6, DH-8, DH-9, and DH-11, and the maximum concentration (380 mg/kg) was detected in the soil sample collected from boring DH-11 at 1 foot bgs (Beta, 1987).

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In May 1988, Groundwater Technology, Inc. (GTI) oversaw installation of three on-site groundwater monitoring wells (MW-5, MW-6, and MW-8) and one off-site groundwater monitoring well (MW-7) to total depths of 20 feet bgs. Well MW-7 was installed to investigate the area of the former Shell-branded service station located immediately adjacent to the Site on the northwest side. Petroleum hydrocarbons were not detected above LRLs in any soil sample collected from off-site borehole MW-7. The maximum concentration of TPH-GRO in soil (310 mg/kg) was detected in the sample collected from borehole MW-6 at 10 feet bgs, and benzene was not detected above LRLs in any sample collected (GTI, 1988).

In August 1989, Harding Lawson Associates (HLA) oversaw installation of two off-site groundwater monitoring wells (MW-9 and MW-10) and advancement of five on-site soil borings (SB-1 through SB-5) to total depths ranging from 10 to 21 feet bgs. In October 1989, HLA oversaw advancement of one additional on-site soil boring (SB-6) to a total depth of 18.5 feet bgs. Petroleum hydrocarbons were not detected above LRLs in any soil samples collected from boreholes MW-9 and MW-10. The maximum concentration of TPH-GRO in soil (470 mg/kg) was detected in the sample collected from boring SB-5 at 10.5 feet bgs, while the maximum concentration of benzene (3.3 mg/kg) was detected in the sample collected from boring SB-4 at 10.5 feet bgs (HLA, 1990).

In September 1989, HLA conducted a series of slug tests at the Site utilizing monitoring wells MW-2, MW-5, MW-6, and MW-8. The data collected during the slug tests were used to calculate the transmissivity and hydraulic conductivity of the uppermost aquifer that underlies the Site. Transmissivity and hydraulic conductivity values were estimated to range from 53 to 288 square feet per day (ft²/day) and 15 to 72 feet per day (ft/day), respectively (HLA, 1990).

In January 1991, HLA oversaw advancement of six off-site soil borings (SB-1 through SB-6) to total depths of 15.5 feet bgs. These borings had the same nomenclature as the soil borings installed by HLA in 1989 and were advanced to investigate impacts in the area of the former Shell-branded service station located immediately adjacent and northwest of the Site. Petroleum hydrocarbons were not detected above LRLs in any soil sample collected from borings SB-1(1991) and SB-4(1991) through SB-6(1991). TPH-GRO and benzene were only detected in soil samples collected from boring SB-3(1991), at maximum concentrations of 14 mg/kg and 0.032 mg/kg, respectively, in the sample collected from 10 to 10.5 feet bgs (HLA, 1991).

In April 1996, Fluor Daniel GTI (Fluor Daniel) oversaw advancement of 23 on-site soil borings (SB-1 through SB-23) to total depths ranging from 6.5 to 16.5 feet bgs. Boring SB-1 through SB-6 had the same nomenclature as the soil borings installed by HLA in 1989 and again in 1991. The maximum concentration of TPH-GRO in soil (1,800 mg/kg) was detected in the sample collected from boring SB-15 at 10 feet bgs, while the maximum concentration of benzene (99 mg/kg) was detected in the sample collected from boring SB-10 at 10 feet bgs. Grab groundwater samples were collected from borings SB-11, SB-19, and SB-22. Maximum concentrations of TPH-GRO and benzene in grab groundwater (19,000 micrograms per liter [µg/L] and 400 µg/L, respectively) were detected in the sample collected from boring SB-22. (Fluor Daniel, 1996).

In October 1997, Cambria Environmental Technology, Inc. (Cambria) oversaw advancement of six on-site soil vapor borings (SV-1 through SV-6) to total depths ranging from 5 to 8 feet bgs and

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collection of shallow soil vapor samples. Soil samples were not collected for laboratory analysis or to describe lithology and there are no logs associated with these borings. Borings SV-5 and SV-6 were advanced and soil vapor samples collected to verify results from borings SV-1 and SV-2, respectively. TPH-GRO was not analyzed in any of the samples collected (Cambria, 1998).

In June 2010, CRA oversaw installation of five on-site soil vapor wells (VP-1 through VP-5) to total depths of 6 feet bgs. Petroleum hydrocarbons were not detected above LRLs in soil samples collected from boreholes VP-1 and VP-5. The maximum concentration of TPH-GRO in soil (230 mg/kg) was detected in the sample collected from boring VP-2 at 6 feet bgs, while the maximum concentration of benzene (0.14 mg/kg) was detected in the sample collected from boring VP-3 at 6 feet bgs. Following installation, soil vapor samples were collected from wells VP-1 through VP-5 on June 29, 2010, and TPH-GRO was detected in the samples at concentrations ranging from 26,000,000 $\mu\text{g}/\text{m}^3$ (well VP-1) to 89,000,000 $\mu\text{g}/\text{m}^3$ (well VP-2). Benzene was detected in all samples at concentrations ranging from 3,700 $\mu\text{g}/\text{m}^3$ (well VP-1) to 540,000 $\mu\text{g}/\text{m}^3$ (well VP-3) (CRA, 2010).

During the groundwater monitoring and sampling event on March 21, 2014, Blaine Tech Services, Inc. (Blaine Tech) conducted a visual survey of the Site and vicinity to evaluate the status and conditions of former Site wells MW-1, MW-4, MW-7, and MW-10. No documentation of the abandonment or destruction of these wells was found during the water well survey conducted in 2013. Blaine Tech was only able to locate what appeared to be well MW-10. The observed well was 4-inches in diameter, with a depth-to-bottom measurement of 20.05 feet below TOC. The observed location, the diameter of the well, and the depth-to-bottom measurement are consistent with specifications for well MW-10, based on historical figures and the well construction log. The lid to the well vault was missing bolts, but the overall integrity of the well casing and vault appeared to be in good condition. Wells MW-1, MW-4, and MW-7 were unable to be located and may have been paved over or potentially abandoned or destroyed.

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3.0 ADDITIONAL INVESTIGATION

On July 27 through July 30, 2015, Stantec oversaw the advancement of 11 soil borings (SB-24 through SB-34). Stantec contracted National Exploration, Wells, & Pumps (National), a C-57 California State-licensed drilling company from Richmond, California to advance the soil borings. Drilling was performed under the direction of a State of California Professional Geologist. Soil and grab groundwater samples were collected from each soil boring. In addition, five soil vapor wells (previously installed) were sampled on July 31, 2015. Locations of the soil borings and soil vapor wells locations are shown on **Figure 2**.

3.1 PRELIMINARY FIELD ACTIVITIES

3.1.1 PERMITTING AND NOTIFICATIONS

A drilling permit was obtained from the Alameda County Public Works Agency (ACPWA) in order to begin drilling (included as **Appendix C**).

As required by law, Underground Service Alert (USA) - North was notified at least 48 hours prior to any intrusive activities. In addition to notifying USA - North, Stantec retained the service of a private utility locating contractor to determine if underground utilities were located near the proposed soil boring locations.

3.1.2 HEALTH AND SAFETY PLAN

Stantec generated a site-specific health and safety plan (HASP) as required by the State of California General Industry Safety Order 5192 and Title 29 of the Code of Federal Regulations, Section 1910.120. The HASP outlines potential hazards Stantec personnel and subcontractors expect to be encountered during the field activities. Job safety analyses (JSAs) for tasks to be performed by Stantec personnel (e.g., driving, oversight of boring advancement, sample collection, etc.) were included. The HASP also included details regarding required personal protective equipment to be worn by all Stantec field personnel for each task. In addition, Stantec produced a Journey Management Plan (JMP) in an attempt to prevent motor vehicle incidents driving to and from the Site. A copy of Stantec's HASP and JMP were available on-Site during all field activities.

Subcontractors also developed a Site-specific HASP and JSAs for tasks applicable to their scope of work (e.g., driving, advancing soil borings, etc.). Subcontractor HASPs were also available on-Site.

3.2 SOIL INVESTIGATION

3.2.1 SOIL SAMPLING

This scope of work was performed under the direction of a State of California Professional Geologist. Stantec field personnel recorded details of field activities, such as Site conditions, sampling processes, names of field personnel, and pertinent dates and times.

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All soil boring locations were advanced using a hand auger within the interval of 0 to 8 feet bgs, to clear for potentially undetected subsurface utilities. Advancement of each soil boring from 8 to 15 feet bgs was done using a direct push limited access drill rig. After advancing SB-31 to 15 feet bgs, groundwater was not encountered; therefore, it was decided to advance each boring another 5 feet bgs for a total depth of 20 feet bgs.

All soil samples collected between ground surface and 8 feet bgs were collected using a slide hammer fitted with a stainless steel or brass sample sleeve. Soil cores obtained using the direct-push drill rig were collected in acetate sleeves, and soil samples were cut at approximately 6 inches from the bottom of the core. All soil sample sleeves were covered with Teflon® end sheets and plastic end caps. Soil samples were labeled, placed in an ice-filled cooler, and logged on a chain-of-custody (COC) form for transport to the certified analytical laboratory.

Portions of each soil core were also logged by Stantec field personnel for lithological content using the Unified Soil Classification System (USCS) as a guide and for relative moisture content, composition, PID readings, and other notable field observations. Portions of the soil cuttings were placed in Ziploc® bags and field-screened using a PID to evaluate the presence of volatile organic compound (VOCs) that may have collected in the headspace of the bag. Borehole logs are included in **Appendix B**.

3.2.2 SOIL ANALYTICAL RESULTS

All soil samples were analyzed for the presence of total petroleum hydrocarbons as gasoline range organics (TPH-GRO), total petroleum hydrocarbons as diesel range organics (TPH-DRO) with silica gel cleanup, total petroleum hydrocarbons as oil range organics (TPH-ORO) by US EPA Method 8015B Modified (SW-846); and benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) and naphthalene by US EPA Method 8260B (SW-846). In addition, soil samples collected from soil boring SB-24 were analyzed for polycyclic aromatic hydrocarbons ([PAHs], naphthalene, acenaphthene, acenaphthylene, anthracene, phenanthrene, fluorene, chrysene, fluoranthene, pyrene, benzo(b)fluoranthene, benzo(a) pyrene, benzo(k)fluoranthene, benzo(a)anthracene, indeno[1,2,3-c,d]pyrene, dibenz[a,h]anthracene, and benzo[g,h,i]perylene) by US EPA Method 8270C-SIM; and wear metals (cadmium, chromium, nickel, lead, and zinc) by US EPA Method 6010B. Soil samples were submitted to Eurofins Lancaster Laboratories, Inc. (Lancaster), a State of California certified analytical laboratory for analysis.

Soil sample analytical results with detections that exceed the Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) are summarized below, and a complete summary of soil results are included in **Table 1**, with historical soil analytical results presented in **Table 2**. Cross sections showing concentration depths can be found on **Figure 3** and **Figure 4**. Soil sample locations with current corresponding analytical date are shown on **Figure 5**. The complete certified laboratory analysis reports and COC documents for this assessment are included in **Appendix D**. Soil sample analytical results were compared to the RWQCB commercial/industrial land use ESLs in shallow and deep soil where groundwater is a current or potential source of drinking water.

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Soil samples collected from boring SB-25 had detections in three sample intervals that exceeded RWQCB ESLs. TPH-DRO with silica gel cleanup was detected at a concentration of 190 mg/kg at 2.5 ft bgs, and benzene was detected at concentrations of 0.32 mg/kg at 10 ft bgs and 0.76 mg/kg at 12.5 ft bgs. All other detections were below corresponding RWQCB ESLs or below laboratory method detection limits (MDLs).

Soil samples collected from SB-26 had detections above the ESL for TPH-DRO with silica gel cleanup ranging from 150 mg/kg at 7.5 ft bgs to 560 mg/kg at 12.5 ft bgs. TPH-GRO detections above its ESL were 1,300 mg/kg and 530 mg/kg at 2.5 ft bgs and 5 ft bgs, respectively. Benzene was detected above its ESL with concentrations ranging from 0.049 mg/kg at 7.5 ft bgs to 2.7 mg/kg at 10 ft bgs. Ethylbenzene concentrations were detected in two sample intervals over its ESL, 21 mg/kg at 2.5 ft bgs and 5.1 mg/kg at 5 ft bgs. Total Xylenes concentrations were detected in two sample intervals over its ESL, 49 mg/kg at 2.5 ft bgs and 3.7 mg/kg at 5 ft bgs. Naphthalene was detected with concentrations exceeding its ESL ranging from 1.7 mg/kg at 10 ft bgs to 12 mg/kg at 2.5 ft bgs. All other detections were below corresponding RWQCB ESLs or below laboratory MDLs.

Soil samples collected from boring SB-27 had detections in three sample intervals that exceeded RWQCB ESLs. TPH-DRO with silica gel cleanup was detected at concentrations of 170 mg/kg at 7.5 ft bgs and 110 mg/kg at 10 ft bgs, and benzene was detected at a concentration of 0.089 mg/kg at 10 ft bgs. All other detections were below corresponding RWQCB ESLs or below laboratory MDLs.

Soil samples collected from boring SB-32 contained TPH-ORO concentrations above its ESL at two sample locations: 12.5 ft bgs with a concentration of 1,200 mg/kg and 15 ft bgs with a concentration of 1,300 mg/kg. TPH-DRO with silica gel cleanup was detected above its ESL in three sample intervals ranging from 190 mg/kg at 10 ft bgs to 670 mg/kg at 15 ft bgs. All other detections were below corresponding RWQCB ESLs or below laboratory MDLs.

Soil samples collected from boring SB-33 contained one benzene detection above its ESL at a concentration of 0.062 mg/kg at 10 ft bgs. All other detections were below corresponding RWQCB ESLs or below laboratory MDLs.

Lancaster reported all other sample results as either below RWQCB ESLs or below laboratory MDLs. Furthermore, the vertical extent of petroleum hydrocarbons is defined, as all soil samples collected at total depth were either below RWQCB ESLs or below laboratory MDLs.

Detections of PAHs and metals were reported below RWQCB ESLs, and the total concentrations of PAHs do not exceed the limit set forth in the SWRCB LTCP. PAH results for SB-24 are summarized in **Table 3**, and metal results for SB-24 are summarized in **Table 4**. Based on analytical data collected during this assessment, there does not appear to be a source area associated with the former waste oil UST near SB-24.

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3.3 GROUNDWATER INVESTIGATION

3.3.1 LABORATORY ANALYSIS AND COLLECTION

Groundwater samples collected during this investigation were analyzed for TPH-GRO, TPH-DRO with silica gel cleanup, and TPH-ORO with silica gel cleanup using US EPA Method 8015B (SW-846); and BTEX compounds, methyl tertiary- butyl ether (MtBE), and naphthalene using US EPA Method 8260B (SW-846).

Stantec collected grab groundwater sample from all soil borings following advancement and installation of a temporary well casing. A 3/4-inch diameter Schedule 40 polyvinyl chloride (PVC) casing with 0.010-inch slots was inserted directly into the soil boring. Prior to groundwater sampling, a DTW measurement was collected and used to calculate the three casing volumes to remove prior to collecting the grab groundwater sample. Do to the low volume of water inside the temporary well casing, three well casing volumes could not be purged prior to sampling. A peristaltic pump was used to extract the groundwater and collect the groundwater samples into bottles. During the groundwater collection process, groundwater quality parameters, including temperature, pH, and conductivity were recorded. Groundwater was collected in sample containers appropriate for the specified analyses, then sealed, labeled, and placed into an ice-filled cooler for preservation. Groundwater sample field data sheets are included in **Appendix E**.

3.3.1.1 Groundwater Analytical Results

Grab groundwater analytical results are included in **Table 5**. Historical grab groundwater results can be found on **Table 6**. Historical groundwater monitoring well data, including Third Quarter 2015 data, are included in **Table 7**. A TPH-GRO isoconcentration map is shown on **Figure 6**. A TPH-DRO (with silica gel cleanup) isoconcentration map is shown on **Figure 7**. A TPH-ORO (with silica gel cleanup) isoconcentration map is shown on **Figure 8**. A benzene isoconcentration map is shown on **Figure 9**. Groundwater monitoring well data from the *Third Quarter 2015 Semi-Annual Groundwater Monitoring Report* (Stantec, 2015) are included on the isoconcentration maps.

Complete certified laboratory analysis reports and COC documents are included in **Appendix D**. Grab groundwater sample analytical results with detections that exceeded respective RWQCB ESLs are summarized below.

- **TPH-GRO** was detected above its RWQCB ESL in all eleven boring locations, with concentrations ranging from 200 µg/L (SB-29) to 14,000 µg/L (SB-25).
- **TPH-DRO (with silica gel cleanup)** was detected above its RWQCB ESL in ten boring locations, with concentrations ranging from 150 µg/L (SB-34) to 4,300 µg/L (SB-32).
- **TPH-ORO (with silica gel cleanup)** was detected above its RWQCB ESL in four boring locations, with concentrations ranging from 410 µg/L (SB-25) to 7,600 µg/L (SB-32).
- **Benzene** was detected above its RWQCB ESL in six boring locations, with concentrations ranging from 2 µg/L (SB-28) to 430 µg/L (SB-25).

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- **Ethylbenzene** was detected above its RWQCB ESL in three boring locations, with concentrations ranging from 42 µg/L (SB-34) to 350 µg/L (SB-25).
- **Total Xylenes** were detected above its RWQCB ESL in two boring locations, with concentrations of 980 µg/L in SB-25 and 76 µg/L in SB-28.
- **Naphthalene** was detected above its RWQCB ESL in five boring locations, with concentrations ranging from 8 µg/L (SB-34) to 110 µg/L (SB-25).

All other sample locations had either detections below RWQCB ESLs or below laboratory MDLs, including all reported MtBE results.

3.4 VAPOR INVESTIGATION

3.4.1 SOIL VAPOR SAMPLE COLLECTION AND ANALYSIS

On July 31, 2015, soil vapor samples were collected from existing Site vapor probes VP-1 through VP-5. The vapor samples were collected in 1-liter Summa™ canisters fitted with flow controllers set to a flow rate of approximately 175 milliliters per minute with built in particulate filters. The canisters were shipped from the laboratory with the proper vacuum of approximately -30 inches of mercury (in Hg). Teflon® tubing was used to connect the summa canisters to the soil vapor and sub-slab probes. Additionally, a ball valve was installed on the sub-slab probe side of the flow regulator/particulate filter assembly to allow for the performance of a 1 minute shut-in test.

Prior to assembly of the vapor sample collection apparatus, the canister valves were checked to make sure that they were closed. Once the apparatus was assembled, the ball valve on the downhole side of the flow regulator/particulate filter assembly was checked to make sure that it was in the closed position.

To test for leaks, two methods were used: the first method involved performing a vacuum test (shut-in test) on the above-ground sampling equipment by closing all of the sampling valves and applying a vacuum on the sampling equipment. The sampling equipment is considered to have passed the vacuum test if constant vacuum was maintained for at least 1 minute. Results of the shut-in test were recorded on the soil vapor sample collection data log provided in **Appendix F**.

The second leak detection method involved using a tracer gas to test for ambient air intrusion into the sampling system. Chevron ETC (2013) recommends the use of helium as a tracer gas, where practical, to do so, primarily because helium is non-toxic; the fact that it does not disrupt analytical measurements; it is generally not found at fuel contaminated sites; and, it has a high purity. Stantec obtained helium to use as a tracer gas. A laboratory supplied enclosure (shroud) was used for leak testing during soil vapor sample collection. The sampling enclosure covered the sampling equipment from the tubing at the probe to the sample Summa canister. The shroud was filled and maintained with at least 20% helium. A helium detector was used to measure the percentage of helium in the enclosure during sample collection. Each vapor sample was analyzed by the laboratory for helium.

Soil vapor samples were also collected using sorbent tubes to analyze for naphthalene by TO-17. Prior to vapor sample collection, each sorbent tube was checked for leaks in accordance with

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the laboratory instructions. The samples were collected by drawing in approximately 240 milliliters (mL) of air using a syringe and 3-way valve. The samples were then sealed, labeled, and recorded on the COC. The sorbent tubes were oversaturated due to the high concentrations of naphthalene in the soil vapor, and the samples had very high matrices, which caused significant surrogate recovery issues. Due to the oversaturation, the laboratory was not able to quantify naphthalene for these TO-17 samples.

All vapor samples collected during this assessment were sent under COC documentation to Eurofins Air Toxics (Air Toxics), a California-state NELAP-certified laboratory. The samples were analyzed for TPH-GRO, BTEX compounds, and naphthalene by TO-15 SIM; naphthalene by TO-17; and fixed gases (carbon dioxide, oxygen, methane, and helium) by ASTM Method D-1946.

3.4.2 SOIL VAPOR ANALYTICAL RESULTS

The atmospheric gases oxygen, carbon dioxide (CO₂), and methane were reported in the vapor samples as a percentage of the sample volume. These atmospheric gases were reported within the following ranges: 0.78% to 1.6% oxygen, 22% to 30% CO₂, and 13% to 42% methane. The natural occurrences of these gases in the atmosphere are approximately 21% oxygen, 0.04% CO₂, and 0.002% methane. The decreased concentration of oxygen and increased concentration of CO₂ in the samples provide evidence that aerobic biodegradation is or has been occurring. Soil vapor analytical data are summarized in **Table 8**. Historical soil vapor analytical data are summarized in **Table 9**. Certified laboratory analysis reports and COC documentation are included in **Appendix D**.

Helium (the leak detection compound) was not detected above the laboratory reporting limit in any of the samples analyzed. The soil vapor sample collection data log is included in **Appendix F**.

- Soil vapor sample VP-1 contained TPH-GRO at 65,000,000 micrograms per cubic meter (µg/m³). All other analyses were under laboratory reporting limits.
- Soil vapor sample VP-2 contained TPH-GRO at 70,000,000 µg/m³ and benzene at 4,800 µg/m³. All other analyses were under laboratory reporting limits.
- Soil vapor sample VP-3 contained TPH-GRO at 94,000,000 µg/m³, benzene at 120,000 µg/m³, and ethylbenzene at 22,000 µg/m³. All other analyses were under laboratory reporting limits.
- Soil vapor sample VP-4 contained TPH-GRO at 61,000,000 µg/m³ and benzene at 7,600 µg/m³. All other analyses were under laboratory reporting limits.
- Soil vapor sample VP-5 contained TPH-GRO at 53,000,000 µg/m³. All other analyses were under laboratory reporting limits.
- Soil vapor sample duplicate (DUP) taken with VP-1 contained TPH-GRO at 70,000,000 µg/m³ and benzene at 4,200 µg/m³. All other analyses were under laboratory reporting limits.

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3.5 WASTE MANAGEMENT

Investigation-derived waste (IDW; ex. soil cuttings) was stored on Site in Department of Transportation-approved 55-gallon drums. GHD is managing the waste profile and is arranging for a certified waste contractor to transport and dispose of the waste.

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4.0 CONCLUSIONS AND RECOMMENDATIONS

- The waste oil release has been adequately assessed, and there does not appear to be a waste oil release associated with this Site.
- The vertical extent of petroleum hydrocarbons in on-Site soil is adequately defined, because there were no detections above ESLs or laboratory MDLs deeper than 15 to 20 feet bgs.
- Based on soil and soil vapor data collected in 2010 and 2015, there is residual soil source on Site within the shallow vadose zone; however, the residual source does not appear to have a significant effect on groundwater concentrations, as demonstrated by the Site groundwater monitoring well data.
- Some of the historical service station features were located under what is now a busy road. The road presents significant access and safety issues. Current groundwater concentrations observed in Site wells that are down-gradient from these former features demonstrate a stable to decreasing plume, so if a residual off-site source is present, it does not appear to be affecting conditions observed on Site.

Stantec recommends continued groundwater monitoring and sampling per the current schedule and to potentially develop a soil and groundwater management plan should the property owner decide to redevelop the property; however, following an inquiry by ACEH in 2014, there was no indication that the current property owner has plans to redevelop the Site in the foreseeable future.

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5.0 References

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Tables

Table 1
Soil Analytical Results
9757 San Leandro Street
Oakland, California

Sample ID	Depth Interval (feet bgs)	Date Collected	US EPA Method 8015B			US EPA METHOD 8260B				
			TPH-ORO (mg/kg)	TPH-DRO w/ silica gel (mg/kg)	TPH-GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes ⁽¹⁾ (mg/kg)	Naphthalene (mg/kg)
SB-24	2.5	7/29/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	5	7/29/2015	<3.9	<3.9	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	7.5	7/29/2015	<3.9	<3.9	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	10	7/29/2015	<4.0	<4.0	11	<0.0005	<0.001	<0.001	<0.001	<0.001
	12.5	7/29/2015	<3.9	<3.9	9.5	<0.0005	<0.001	0.02	0.002	0.014
	15	7/29/2015	<4.0	<4.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
	20	7/29/2015	<3.9	<3.9	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
SB-25	2.5	7/29/2015	490	190	23	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
	5	7/29/2015	<4.0	<4.0	0.8	<0.0005	<0.001	<0.001	<0.001	<0.001
	7.5	7/29/2015	<4.0	<4.0	1.7	<0.0005	<0.001	<0.001	<0.001	<0.001
	10	7/29/2015	15	21	140	0.32	<0.049	0.096	<0.049	0.69
	12.5	7/29/2015	69	73	450	0.76	<0.091	0.86	1.2	0.4
	15	7/29/2015	<4.0	<4.0	5.1	0.01	<0.001	<0.001	0.003	<0.001
	20	7/29/2015	<3.9	<3.9	<0.5	0.001	<0.001	<0.001	0.002	<0.001
SB-26	2.5	7/30/2015	<4.0	160	1,300	1.4	0.68	21	49	12
	5	7/30/2015	<4.0	53	530	0.26	<0.047	5.1	3.7	3.5
	7.5	7/30/2015	160	150	210	0.049	<0.05	0.069	<0.05	0.097
	10	7/30/2015	270	220	530	2.7	<0.047	0.36	0.089	1.7
	12.5	7/30/2015	770	560	650	0.2	<0.046	0.078	0.11	0.11
	15	7/30/2015	93	76	26	0.007	0.001	0.003	0.005	<0.001
	20	7/30/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
SB-27	2.5	7/29/2015	130	65	57	<0.027	<0.053	<0.053	<0.053	<0.053
	5	7/29/2015	7.1	11	20	0.009	<0.001	0.002	<0.001	0.002
	7.5	7/29/2015	230	170	78	<0.025	<0.05	<0.05	<0.05	<0.05
	10	7/29/2015	15	110	540	0.089	<0.053	0.59	<0.053	1.1
	12.5	7/29/2015	<4.0	33	390	<0.025	<0.049	0.3	0.082	0.23
	15	7/29/2015	<4.0	8	20	<0.026	<0.053	<0.053	<0.053	<0.053
	20	7/29/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
SB-28	2.5	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	5	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	7.5	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	10	7/28/2015	7.7	9.3	21	0.002	<0.001	0.003	<0.001	<0.001
	12.5	7/28/2015	37	38	46	<0.025	<0.05	0.32	0.38	0.13
	15	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	20	7/28/2015	<4.0	<4.0	<0.5	0.0009	<0.001	<0.001	<0.001	<0.001
SB-29	2.5	7/28/2015	4.2	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	5	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	7.5	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	10	7/28/2015	<4.0	4.8	5.1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
	12.5	7/28/2015	19	17	220	<0.024	<0.049	<0.049	<0.049	<0.049
	15	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	20	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
SB-30	2.5	7/27/2015	<4.0	<4.0	0.7	<0.0005	<0.001	<0.001	<0.001	<0.001
	5	7/27/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	7.5	7/27/2015	20	16	7.0	<0.0005	<0.001	<0.001	<0.001	<0.001
	10	7/27/2015	65	55	120	<0.026	<0.051	<0.051	<0.051	<0.051
	12.5	7/27/2015	<4.0	<4.0	0.7	<0.0005	<0.001	<0.001	<0.001	<0.001
	15	7/27/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	20	7/27/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001

Table 1
Soil Analytical Results
 9757 San Leandro Street
 Oakland, California

Sample ID	Depth Interval (feet bgs)	Date Collected	US EPA Method 8015B			US EPA METHOD 8260B				
			TPH-ORO (mg/kg)	TPH-DRO w/ silica gel (mg/kg)	TPH-GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes ⁽¹⁾ (mg/kg)	Naphthalene (mg/kg)
SB-31	2.5	7/27/2015	<4.0	<4.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
	5	7/27/2015	<4.0	<4.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
	7.5	7/27/2015	<4.0	<4.0	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
	10	7/27/2015	27	17	7.1	<0.0005	<0.001	<0.001	<0.001	<0.001
	12.5	7/27/2015	11	10	49	<0.023	<0.046	<0.046	<0.046	<0.046
	15	7/27/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	20	7/27/2015	<3.9	<3.9	<0.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
SB-32	2.5	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	5	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	7.5	7/28/2015	120	81	18	<0.0005	<0.001	<0.001	<0.001	<0.001
	10	7/28/2015	360	190	47	<0.0005	<0.001	<0.001	0.011	<0.001
	12.5	7/28/2015	1,200	620	110	<0.026	<0.052	<0.052	0.13	<0.052
	15	7/28/2015	1,300	670	110	<0.0005	<0.0009	<0.0009	0.01	<0.0009
	20	7/28/2015	170	77	5.3	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
SB-33	2.5	7/28/2015	<3.9	<3.9	0.7	<0.0005	<0.001	<0.001	<0.001	<0.001
	5	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	7.5	7/28/2015	140	63	19	<0.0005	<0.0009	<0.0009	<0.0009	<0.0009
	10	7/28/2015	<4.0	<4.0	40	0.062	<0.051	0.068	<0.051	<0.051
	12.5	7/28/2015	130	78	58	<0.025	<0.05	<0.05	<0.05	<0.05
	15	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	20	7/28/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
SB-34	2.5	7/30/2015	<4.0	<4.0	0.8	<0.0005	<0.001	<0.001	<0.001	<0.001
	5	7/30/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	7.5	7/30/2015	<4.0	<4.0	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
	10	7/30/2015	<4.0	6.4	43	0.04	<0.051	<0.051	<0.051	<0.051
	12.5	7/30/2015	<4.0	13	55	<0.026	<0.052	<0.052	<0.052	<0.052
	15	7/30/2015	<4.0	<4.0	3.2	0.0007	<0.001	<0.001	<0.001	<0.001
	20	7/30/2015	<4.0	6.1	<0.5	<0.0005	<0.001	<0.001	<0.001	<0.001
Shallow Soil ESLs⁽²⁾			500	110	500	0.044	2.9	3.3	2.3	1.2
Deep Soil ESLs⁽³⁾			1,000	110	770	0.044	2.9	3.3	2.3	1.2

Notes:

(1) Total xylenes is the sum of ortho-, meta-, and para-xylenes.

(2) California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater - December 2013. Summary Table A. Environmental Screening Levels (ESLs). Shallow Soils (<3m bgs). Groundwater is a Current or Potential Source of Drinking Water. Commercial/Industrial Land Use.

(3) California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater - December 2013. Summary Table C. Environmental Screening Levels (ESLs). Deep Soils (>3m bgs). Groundwater is a Current or Potential Source of Drinking Water. Commercial/Industrial Land Use.

Bold font denotes detected value. **Bold/blue** font denotes detected value equal to or above RWQCB ESLs (commercial and/or residential).

Abbreviations:

< = compound was not detected at or above the detection limit shown.

bgs = below ground surface

ESLs = Environmental Screening Levels

mg/kg = milligrams per kilogram

US EPA = United States Environmental Protection Agency

TPH-DRO = total petroleum hydrocarbons as Diesel range organics (C₁₀-C₂₈ reported as total purgeable petroleum hydrocarbons)

TPH-GRO = total petroleum hydrocarbons as gasoline range organics (C₆-C₁₂ reported as total purgeable petroleum hydrocarbons)

TPH-ORO = total petroleum hydrocarbons as oil range organics (C₁₈-C₄₀ reported as total purgeable petroleum hydrocarbons)

Table 2
Historical Soil Analytical Data
9757 San Leandro Street
Oakland, CA

Consultant	Sample ID	Depth (feet bgs)	Date Collected	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	MO (mg/kg)	TOG (mg/kg)
Beta Associates	MW-1	3	4/18/1987	--	--	<0.010	<0.010	<0.010	<0.020	--	--	--
	MW-2	3	4/18/1987	--	--	<0.010	<0.010	<0.010	<0.020	--	--	--
	DH-3	2.5	4/18/1987	--	--	<0.010	<0.010	<0.010	<0.020	--	--	--
	MW-4	10.5	4/18/1987	ND	--	<0.010	<0.010	--	<0.010	--	ND	--
	DH-5	5	4/18/1987	--	--	<0.010	<0.010	<0.010	<0.020	--	--	--
	DH-6	10.5	4/18/1987	ND	--	<0.010	<0.010	--	<0.010	--	ND	--
	DH-7	3.5	4/18/1987	--	<1	<0.010	<0.010	--	<0.010	--	--	--
	DH-8	10	4/18/1987	<1	1,017	1.063	9.997	--	108.092	--	240	--
	DH-9	1	4/18/1987	--	--	<0.010	<0.010	<0.010	<0.020	--	--	--
	DH-10	1	4/18/1987	--	--	--	--	--	--	--	--	--
	DH-11	1	4/18/1987	--	--	<0.010	<0.010	--	<0.010	--	380	--
GTI	MW-5	5	5/18/1988	--	<1	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--
		10		--	160	<0.0005	<0.0005	3	7	--	--	--
		15		--	<1	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--
	MW-6	5	5/18/1988	--	<1	<0.0005	<0.005	<0.005	<0.005	--	--	--
		10		--	310	<0.0005	2	4	18	--	--	--
	MW-7	5	5/18/1988	--	<1	<0.0005	<0.005	<0.005	<0.005	--	--	--
		10		--	<1	<0.0005	<0.005	<0.005	<0.005	--	--	--
	MW-8	5	5/19/1988	--	2	<0.0005	<0.005	<0.005	<0.005	--	--	--
10		--		5	<0.0005	<0.005	<0.005	<0.005	--	--	--	

Table 2
Historical Soil Analytical Data
9757 San Leandro Street
Oakland, CA

Consultant	Sample ID	Depth (feet bgs)	Date Collected	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	MO (mg/kg)	TOG (mg/kg)	
HLA	SB-1	6.5	8/3/1989	--	<10	<0.005	0.03	<0.005	<0.005	--	--	--	
		10.5		--	400	1.9	1.4	4.1	11	--	--	--	
	SB-2	6.5	8/3/1989	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	
		9.5		--	34	0.14	0.2	0.27	0.43	--	--	--	
		16		--	140	0.67	0.79	1.3	4.9	--	--	--	
	SB-3	6.5	8/3/1989	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	
		9.5		--	130	0.9	<0.100	1.5	3.4	--	--	--	
		15.5		--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	
	SB-4	5.5	8/3/1989	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	
		10.5		--	300	3.3	0.42	8.2	12	--	--	--	
		15.5		--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	
	SB-5	5.5	8/3/1989	--	<10	0.047	<0.005	<0.005	<0.005	<0.005	--	--	--
		10.5		--	470	1.9	0.58	7.2	22	--	--	--	
		15.5		--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	
	SB-6	5.5	10/5/1989	--	<10	0.018	0.023	0.008	0.027	--	--	--	
		10.5		--	270	2.0	0.9	1.6	3.8	--	--	--	
		15.5		--	<10	0.033	0.034	0.0055	0.026	--	--	--	
	MW-9	6.5	8/4/1989	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--	
12.5		--		<10	<0.005	<0.005	<0.005	<0.005	--	--	--		
MW-10	6.5	8/4/1989	--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--		
	12.5		--	<10	<0.005	<0.005	<0.005	<0.005	--	--	--		

Table 2
Historical Soil Analytical Data
9757 San Leandro Street
Oakland, CA

Consultant	Sample ID	Depth (feet bgs)	Date Collected	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	MO (mg/kg)	TOG (mg/kg)
GTI	SB-1	5	4/2/1996	--	--	--	--	--	--	--	--	--
		10		--	400	1.4	0.44	8.9	28	--	--	78
		15		--	--	--	--	--	--	--	--	--
	SB-2	5	4/1/1996	--	--	--	--	--	--	--	--	--
		10		--	51	0.18	0.12	0.79	0.59	--	--	24
	SB-3	5	4/1/1996	--	--	--	--	--	--	--	--	--
		10		--	190	0.54	0.66	2.3	3.3	--	--	35
		15		--	--	--	--	--	--	--	--	--
	SB-4	5	4/1/1996	--	--	--	--	--	--	--	--	--
		10		--	170 ¹	0.59	0.52	0.14	1.1	--	--	940
		15		--	20 ¹	0.091	0.036	0.029	0.23	--	--	--
	SB-5	5	4/1/1996	--	--	--	--	--	--	--	--	--
		10		--	300	2.4	1.4	10	4.2	--	--	--
		15		--	--	--	--	--	--	--	--	--
	SB-6	5	4/4/1996	--	--	--	--	--	--	--	--	--
		10		--	330 ¹	0.57	<0.0050	0.42	2.3	--	--	--
		15		--	--	--	--	--	--	--	--	--
	SB-7	5	4/1/1996	--	880	2.2	0.58	7.7	7.9	--	--	--
		10		--	500	1.3	1.6	7.0	27	--	--	--
		15		--	--	--	--	--	--	--	--	--
	SB-8	5	4/4/1996	--	110 ¹	1.6	<0.0050	<0.0050	0.79	--	--	--
		10		--	240 ¹	4.6	1.1	0.76	2.1	--	--	--
		15		--	2.1 ²	0.0054	<0.0050	<0.0050	0.042	--	--	--
	SB-9	5	4/1/1996	--	67	0.60	0.16	0.14	0.82	--	--	--
		10		--	--	--	--	--	--	--	--	--
		15		--	610	3.8	7.4	17	69	--	--	--
	SB-10	5	4/4/1996	--	450	3.7	8.9	9.9	53	--	--	--
		10		--	1,300	99	40	150	210	--	--	--
		15		--	<1.0	0.010	0.0051	<0.0050	0.016	--	--	--

Table 2
Historical Soil Analytical Data
 9757 San Leandro Street
 Oakland, CA

Consultant	Sample ID	Depth (feet bgs)	Date Collected	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	MO (mg/kg)	TOG (mg/kg)	
GTI	SB-11	5	4/4/1996	--	7.5 ¹	0.012	0.040	0.019	0.056	--	--	--	
		10		--	550	1.5	<0.0050	9.7	3.2	--	--	--	
		15		--	--	--	--	--	--	--	--	--	--
	SB-12	5	4/3/1996	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--
		10		--	750	1.1	4.1	19	85	--	--	--	
		15		--	--	--	--	--	--	--	--	--	--
	SB-13	5	4/3/1996	--	--	--	--	--	--	--	--	--	--
		10		--	340	1.6	0.81	7.4	24	--	--	--	
	SB-14	5	4/4/1996	--	17 ¹	0.066	0.050	0.097	0.067	--	--	--	--
		10		--	820	5.0	28	16	82	--	--	--	
	SB-15	5	4/3/1996	--	2.1 ¹	0.011	0.0060	<0.0050	0.15	--	--	--	--
		10		--	1,800	17	68	53	260	--	--	--	
	SB-16	5	4/3/1996	--	1.9	0.15	<0.0050	0.0069	0.026	--	--	--	--
		10		--	760	6.2	1.8	28	76	--	--	--	
	SB-17	5	4/3/1996	--	--	--	--	--	--	--	--	--	--
		10		--	1,600	4.3	15	38	150	--	--	--	
	SB-18	5	4/4/1996	--	--	--	--	--	--	--	--	--	--
		10		--	480	5.9	4.5	2.0	5.4	--	--	--	
	SB-19	5	4/3/1996	--	--	--	--	--	--	--	--	--	--
		10		--	220	2.3	<0.0050	1.1	1.5	--	--	--	
	SB-20	5	4/3/1996	--	--	--	--	--	--	--	--	--	--
		10		--	510	3.8	1.5	17	39	--	--	--	
	SB-21	5	4/2/1996	--	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	
SB-22	5	4/2/1996	--	3.1 ¹	0.027	0.0091	0.020	0.015	--	--	--	--	
	10		--	110	0.72	0.47	4.7	0.39	--	--	--		
SB-23	5	4/2/1996	--	--	--	--	--	--	--	--	--	--	
	10		--	140	3.4	2.9	0.86	4.6	--	--	--		

Table 2
Historical Soil Analytical Data
 9757 San Leandro Street
 Oakland, CA

Consultant	Sample ID	Depth (feet bgs)	Date Collected	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MtBE (mg/kg)	MO (mg/kg)	TOG (mg/kg)
CRA	VP-1	5	6/24/2010	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
	VP-2	6	6/24/2010	--	230	<0.047	<0.094	<0.094	<0.094	--	--	--
	VP-3	6	6/24/2010	--	100	0.14	<0.047	0.52	0.14	--	--	--
	VP-4	6	6/24/2010	--	100	0.033	<0.050	<0.050	0.074	--	--	--
	VP-5	5	6/24/2010	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
ESLs⁽¹⁾ - Residential (Shallow)				83	83	0.044	2.9	2.3	2.3	0.023	NS	NS
ESLs⁽¹⁾ - Commercial/Industrial (Shallow)				83	83	0.044	2.9	3.3	2.3	0.023	NS	NS
ESLs⁽²⁾ - Residential (Deep)				83	83	0.044	2.9	3.3	2.3	0.023	NS	NS
ESLs⁽²⁾ - Commercial/Industrial (Deep)				83	83	0.044	2.9	3.3	2.3	0.023	NS	NS

68 150 260 410

Notes:

(1) California Regional Water Quality Control Board, San Francisco Bay Region, *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final - May 2008*. Table B (shallow soils[< 3 m bgs]), for residential and commercial/industrial land use.

(2) California Regional Water Quality Control Board, San Francisco Bay Region, *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final - May 2008*. Table C (deep soils[> 3 m bgs]), for residential and commercial/industrial land use

Bold text denotes detected concentrations.

Detected concentrations above ESLs are noted in **blue/bold** text

Abbreviations:

feet bgs = feet below ground surface

mg/kg = milligrams per kilogram

ND = not detected

-- = not analyzed

NS = no standard

TPH-DRO = total petroleum hydrocarbons as diesel range organics

TPH-GRO = total petroleum hydrocarbons as gasoline range organics

MtBE = methyl tertiary-butyl ether

MO = motor oil

TOG = total oil and grease

1 = Laboratory report indicates gasoline and unidentified hydrocarbons >C8

2 = Unidentified hydrocarbons >C8

Table 3
Soil Analytical Results
Polyaromatic Hydrocarbons (PAH)
9757 San Leandro Street
Oakland, California

			US EPA Method 8270C-SIM															
Sample ID	Depth Interval (feet bgs)	Date Collected	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo[a] anthracene (mg/kg)	Benzo[b] fluoranthene (mg/kg)	Benzo[k] fluoranthene (mg/kg)	Benzo[a] pyrene (mg/kg)	Benzo[g,h,i] perylene (mg/kg)	Chrysene (mg/kg)	Dibenz [a,h] anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno[1,2,3-cd] pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
SB-24	2.5	7/29/2015	0.00077	0.00067	0.00051	0.0010	0.0085	0.0012	<0.00066	0.0010	0.0076	<0.00066	0.0047	0.00095	0.0011	0.0031	0.0039	0.0019
	5	7/29/2015	<0.00067	<0.00033	<0.00033	<0.00067	0.0011	<0.00067	<0.00067	<0.00067	0.00046	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
	7.5	7/29/2015	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066
	10	7/29/2015	0.0021	0.0015	0.0011	0.00094	<0.00066	<0.00066	<0.00066	0.00073	0.00080	<0.00066	0.0020	0.0037	<0.00066	0.0065	0.0078	0.0019
	12.5	7/29/2015	<0.00066	<0.00033	0.00056	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00043	<0.00066	0.00085	<0.00066	<0.00066	0.0023	0.0012	0.0011
	15	7/29/2015	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0011	<0.00066	<0.00066
	20	7/29/2015	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	0.0020	<0.00066	<0.00066
Shallow Soil ESLs ⁽¹⁾			16	13	2.8	1.3	1.3	1.3	0.13	27	13	0.38	40	8.9	1.3	1.2	11	85
Deep Soil ESLs ⁽²⁾			16	13	2.8	1.3	1.3	1.3	0.13	27	13	0.38	60	8.9	1.3	1.2	11	85

Notes:

Highlighted columns represent the seven carcinogenic PAHs as identified by the US EPA and used for evaluation of Direct Contact and Outdoor Air Exposure Criteria in the LTCP for a Commercial/Industrial property.

Bold font denotes detected value. **Bold/blue** font denotes detected value equal to or above RWQCB ESLs (commercial and/or residential).

(1) California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater - December 2013. Summary Table A. Environmental Screening Levels (ESLs). Shallow Soils (<3m bgs). Groundwater is a Current or Potential Source of Drinking Water. Commercial/Industrial Land Use.

(2) California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater - December 2013. Summary Table C. Environmental Screening Levels (ESLs). Deep Soils (>3m bgs). Groundwater is a Current or Potential Source of Drinking Water. Commercial/Industrial Land Use.

Abbreviations:

bgs = below ground surface

ESLs = Environmental Screening Levels

mg/kg = milligrams per kilogram

US EPA = United States Environmental Protection Agency

< = compound was not detected at or above the detection limit shown.

Table 4
Soil Analytical Results - Metals
 9757 San Leandro Street
 Oakland, California

Sample ID	Depth Interval (feet bgs)	Date Collected	US EPA Method 6010B				
			Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/Kg)	Nickel (mg/kg)	Zinc (mg/kg)
SB-24	2.5	7/29/2015	0.173	49.2	9.0	51.7	53
	5	7/29/2015	0.0608	50.4	7.99	47.5	51.1
	7.5	7/29/2015	0.101	38.9	6.57	43.6	39.1
	10	7/29/2015	0.138	56.7	8.46	62.7	59.4
	12.5	7/29/2015	<0.0422	60.9	7.29	47.8	55.8
	15	7/29/2015	<0.0422	43.7	5.74	32.6	35.4
	20	7/29/2015	0.128	43.6	6.96	48.6	44.3
Shallow Soil ESLs ⁽¹⁾			12	2,500	320	150	600
Deep Soil ESLs ⁽²⁾			1,000	5,000	320	5,000	5,000

Notes:

Bold font denotes detected value. **Bold/blue** font denotes detected value equal to or above RWQCB ESLs (commercial and/or residential).

(1) California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater - December 2013. Summary Table A. Environmental Screening Levels (ESLs). Shallow Soils (<3m bgs). Groundwater is a Current or Potential Source of Drinking Water. Commercial/Industrial Land Use.

(2) California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater - December 2013. Summary Table C. Environmental Screening Levels (ESLs). Deep Soils (>3m bgs). Groundwater is a Current or Potential Source of Drinking Water. Commercial/Industrial Land Use.

Abbreviations:

bgs = below ground surface

ESLs = Environmental Screening Levels

mg/kg = milligrams per kilogram

US EPA = United States Environmental Protection Agency

NA = Not Available

Table 5
Grab Groundwater Analytical Results
 9757 San Leandro Street
 Oakland, California

		US EPA Method 8015B		US EPA METHOD 8260						
Sample ID	Date Collected	TPH-ORO w/ silica gel (µg/L)	TPH-DRO w/ silica gel (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes ⁽¹⁾ (µg/L)	MtBE (µg/L)	Naphthalene (µg/L)
SB-24	7/30/2015	92	78	300	<0.5	<0.5	12	0.8	<0.5	2
SB-25	7/29/2015	410	1,100	14,000	430	36	350	980	<3	110
SB-26	7/30/2015	1,800	420	1,400	25	2	22	7	<0.5	10
SB-27	7/29/2015	710	750	4,400	30	5	11	10	0.9	4
SB-28	7/28/2015	<49	610	4,100	2	0.6	110	76	<0.5	42
SB-29	7/28/2015	<47	180	200	<0.5	<0.5	<0.5	<0.5	<0.5	<1
SB-30	7/27/2015	<48	250	620	<0.5	<0.5	<0.5	<0.5	<0.5	<1
SB-31	7/27/2015	<48	320	1,000	<0.5	<0.5	<0.5	<0.5	<0.5	<1
SB-32	7/28/2015	7,600	4,300	240	<0.5	0.7	<0.5	2	0.9	1
SB-33	7/28/2015	<48	210	960	3	<0.5	24	0.7	<0.5	17
SB-34	7/30/2015	73	150	1,100	3	1	42	6	<0.5	8
ESLs ⁽²⁾		100	100	100	1.0	40	30	20	5.0	6.1

Notes:

(1) Total xylenes is the sum of ortho-, meta-, and para-xylenes.

(2) California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater - December 2013. Summary Table C. Environmental Screening Levels (ESLs). Deep Soils (>3m bgs). Groundwater is a Current or Potential Source of Drinking Water. Commercial/Industrial Land Use.

Bold font denotes detected value. **Bold/blue** font denotes detected value equal to or above RWQCB ESLs (commercial and/or residential).

Abbreviations:

bgs = below ground surface

ESLs = Environmental Screening Levels

(µg/L) = micrograms per liter

TPH-DRO = total petroleum hydrocarbons as Deisel range organics (C₁₀-C₂₈ reported as total purgeable petroleum hydrocarbons)

TPH-GRO = total petroleum hydrocarbons as gasoline range organics (C₆-C₁₂ reported as total purgeable petroleum hydrocarbons)

TPH-ORO = total petroleum hydrocarbons as oil range organics (C₁₈-C₄₀ reported as total purgeable petroleum hydrocarbons)

MtBE = methyl tertiary-butyl ether

US EPA = United States Environmental Protection Agency

< = compound was not detected at or above the detection limit shown.

Table 6
Historical Grab Groundwater Analytical Data
 9757 San Leandro Street
 Oakland, CA

Consultant	Sample ID	Date Collected	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
Fluor Daniel	SB-11	4/4/1996	5,100	210	97	180	400
	SB-19	4/3/1996	2,300 ¹	170	30	21	34
	SB-22	4/2/1996	19,000 ²	400	<0.50	110	77
ESLs (Groundwater)			100	1.0	40	30	20

Notes:

(1) California Regional Water Quality Control Board, San Francisco Bay Region, *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final - May 2008. Table C.*

Bold text denotes detected concentrations.

Detected concentrations above ESLs are noted in **blue/bold** text

Abbreviations:

µg/L = micrograms per liter

< = not detected

TPH-GRO = total petroleum hydrocarbons as gasoline range organics.

1 = Laboratory report indicates gasoline and unidentified hydrocarbons <C7

2 = Laboratory report indicates gasoline and unidentified hydrocarbons >C8

Table 7
Groundwater Monitoring Data and Analytical Results
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

WELL ID/ DATE	TOC (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)
Groundwater ESL				100	1	40	30	20	5
MW-2									
09/23/11	21.31	9.78	11.53	180	<0.5	<0.5	0.6	0.6	0.6
12/29/11	21.31	9.73	11.58	100	<0.5	<0.5	0.7	0.9	<0.5
03/30/12	21.31	8.02	13.29	180	<0.5	<0.5	2	4	<0.5
06/12/12	21.31	9.58	11.73	99	<0.5	<0.5	<0.5	<0.5	<0.5
09/27/12	21.31	9.81	11.50	93	<0.5	<0.5	<0.5	<0.5	<0.5
03/13/13	21.31	9.52	11.79	110	<0.5	<0.5	<0.5	<0.5	<0.5
09/17/13	21.31	9.96	11.35	94	<0.5	<0.5	<0.5	<0.5	<0.5
03/21/14	21.31	9.35	11.96	<22	<0.5	<0.5	<0.5	<0.5	--
09/11/14	21.31	9.93	11.38	99	<0.5	<0.5	<0.5	<0.5	--
03/10/15	21.31	9.30	12.01	<22	<0.5	<0.5	<0.5	<0.5	--
08/24/15	21.31	9.97	11.34	<22	<0.5	<0.5	<0.5	<0.5	--
MW-5									
09/23/11	21.84	9.85	11.99	190	<0.5	<0.5	<0.5	<0.5	<0.5
12/29/11	21.84	9.91	11.93	180	<0.5	<0.5	<0.5	<0.5	<0.5
03/30/12	21.84	7.92	13.92	190	<0.5	<0.5	<0.5	<0.5	<0.5
06/12/12	21.84	9.65	12.19	260	<0.5	<0.5	<0.5	<0.5	<0.5
09/27/12	21.84	9.83	12.01	230	<0.5	<0.5	<0.5	<0.5	<0.5
03/13/13	21.84	9.55	12.29	200	<0.5	<0.5	<0.5	<0.5	<0.5
09/17/13	21.84	9.93	11.91	140	<0.5	<0.5	<0.5	<0.5	<0.5
03/21/14	21.84	9.41	12.43	100	<0.5	<0.5	<0.5	<0.5	--
09/11/14	21.84	9.94	11.90	150	<0.5	<0.5	<0.5	<0.5	--
03/10/15	21.84	9.36	12.48	120	<0.5	<0.5	<0.5	<0.5	--
08/24/15	21.84	10.04	11.80	260	<0.5	<0.5	<0.5	<0.5	--
MW-6									
09/23/11	21.71	9.99	11.72	<22	<0.5	<0.5	<0.5	<0.5	0.7
12/29/11	21.71	9.93	11.78	<22	<0.5	<0.5	<0.5	<0.5	0.6
03/30/12	21.71	8.00	13.71	<22	<0.5	<0.5	<0.5	<0.5	<0.5
06/12/12	21.71	9.76	11.95	66	<0.5	<0.5	<0.5	<0.5	<0.5
09/27/12	21.71	9.93	11.78	27	<0.5	<0.5	<0.5	<0.5	<0.5
03/13/13	21.71	9.70	12.01	<22	<0.5	<0.5	<0.5	<0.5	<0.5
09/17/13	21.71	10.06	11.65	34	<0.5	<0.5	<0.5	<0.5	<0.5
03/21/14	21.71	9.38	12.33	<22	<0.5	<0.5	<0.5	<0.5	--

Table 7
Groundwater Monitoring Data and Analytical Results
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

WELL ID/ DATE	TOC (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)
Groundwater ESL				100	1	40	30	20	5
MW-6 (cont)									
09/11/14	21.71	10.07	11.64	52	<0.5	<0.5	<0.5	<0.5	--
03/10/15	21.71	9.47	12.24	28	<0.5	<0.5	<0.5	<0.5	--
08/24/15	21.71	10.15	11.56	<22	<0.5	<0.5	<0.5	<0.5	--
MW-8									
09/23/11	21.84	10.15	11.69	1,900	55	2	10	8	<0.5
12/29/11	21.84	10.10	11.74	1,300	31	1	5	5	<0.5
03/30/12	21.84	8.12	13.72	2,200	65	3	20	14	<0.5
06/12/12	21.84	9.90	11.94	2,300	49	2	14	14	<0.5
09/27/12	21.84	10.12	11.72	1,900	43	2	10	8	<0.5
03/13/13	21.84	9.86	11.98	1,400	31	1	7	5	<0.5
09/17/13	21.84	10.34	11.50	2,100	60	2	11	9	<0.5
03/21/14	21.84	9.49	12.35	270	2	<0.5	<0.5	0.6	--
09/11/14	21.84	10.22	11.62	3,000	44	2	13	8	--
03/10/15	21.84	9.61	12.23	1,500	36	1	5	6	--
08/24/15	21.84	10.33	11.51	2,700	39	2	5	7	--
MW-9									
09/23/11	20.55	9.30	11.25	<22	<0.5	<0.5	<0.5	<0.5	<0.5
12/29/11	20.55	9.51	11.04	<22	<0.5	<0.5	<0.5	<0.5	<0.5
03/30/12	20.55	7.52	13.03	<22	<0.5	<0.5	<0.5	<0.5	<0.5
06/12/12	20.55	9.14	11.41	<22	<0.5	<0.5	<0.5	<0.5	<0.5
09/27/12	20.55	9.24	11.31	<22	<0.5	<0.5	<0.5	<0.5	<0.5
03/13/13	20.55	9.07	11.48	<22	<0.5	<0.5	<0.5	<0.5	<0.5
09/17/13	20.55	9.51	11.04	<22	<0.5	<0.5	<0.5	<0.5	<0.5
03/21/14	20.55	8.87	11.68	<22	<0.5	<0.5	<0.5	<0.5	--
09/11/14	20.55	9.43	11.12	<22	<0.5	<0.5	<0.5	<0.5	--
03/10/15	20.55	8.10	12.45	<22	<0.5	<0.5	<0.5	<0.5	--
08/24/15	20.55	9.53	11.02	<22	<0.5	<0.5	<0.5	<0.5	--
TRIP BLANK									
QA									
09/23/11	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5
12/29/11	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5
03/30/12	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5
06/12/12	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5

Table 7
Groundwater Monitoring Data and Analytical Results
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

WELL ID/ DATE	TOC (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)
	Groundwater ESL			100	1	40	30	20	5
QA (cont)									
09/27/12	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5
03/13/13	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5
09/17/13	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5
03/21/14	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--
09/11/14	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--
03/10/15	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--
08/24/15	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--

Table 7
Groundwater Monitoring Data and Analytical Results
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

EXPLANATIONS:

Current groundwater monitoring data provided by Gettler-Ryan Inc. Current laboratory analytical results provided by Eurofins Lancaster Laboratories.

TOC = Top of Casing
(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean Sea Level

TPH-GRO = Total Petroleum Hydrocarbons as Gasoline Range Organics

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MtBE = Methyl tertiary-butyl ether

(µg/L) = Micrograms per liter

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

ESL = California Regional Water Quality Control Board - San Francisco Bay Region Environmental Screening Level for groundwater that is a current or potential source of drinking water

Table 8
Vapor Analytical Results
 9757 San Leandro Street
 Oakland, California

			US EPA Method TO-15 Full Scan									
Sample ID	Vapor Probe Depth (feet bgs)	Date Collected	TPH-GRO ($\mu\text{g}/\text{m}^3$)	Benzene ($\mu\text{g}/\text{m}^3$)	Toluene ($\mu\text{g}/\text{m}^3$)	Ethylbenzene ($\mu\text{g}/\text{m}^3$)	Total Xylenes ⁽¹⁾ ($\mu\text{g}/\text{m}^3$)	Naphthalene ($\mu\text{g}/\text{m}^3$)	Carbon Dioxide (%)	Oxygen (%)	Methane (%)	Helium (%)
VP-1	6	7/31/2015	65,000,000	<4,100	<4,900	<5,600	<5,600	<27,000	29	1.6	13	<0.13
VP-2	6	7/31/2015	70,000,000	4,800	<4,600	<5,300	<5,300	<26,000	22	1.3	29	<0.12
VP-3	6	7/31/2015	94,000,000	120,000	<5,400	22,000	<5,400	<26,000	22	1	42	<0.12
VP-4	6	7/31/2015	61,000,000	7,600	<4,300	<4,900	<5,000	<24,000	27	0.94	40	<0.11
VP-5	6	7/31/2015	53,000,000	<3,600	<4,200	<4,900	<4,900	<23,000	28	0.78	25	<0.11
DUP	6	7/31/2015	70,000,000	4,200	<4,800	<5,500	<5,500	<27,000	30	1	13	<0.13
ESLs⁽²⁾			50,000	420	1,300,000	4,900	220,000	360	NA	NA	NA	NA

Notes:

(1) Total xylenes is the sum of ortho-, meta-, and para-xylenes.

(2) California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater - December 2013. Summary Table E. Environmental Screening Levels (ESLs). Soil Gas. Commercial/Industrial Land Use.

Bold font denotes detected value. **Bold/blue** font denotes detected value equal to or above RWQCB ESLs.

Abbreviations:

< = compound was not detected at or above the detection limit shown.

US EPA = United States Environmental Protection Agency

bgs = below ground surface

ESLs = Environmental Screening Levels

($\mu\text{g}/\text{m}^3$) = micrograms per cubic meter

TPH-GRO = total petroleum hydrocarbons as gasoline range organics (C₄-C₁₂ reported as total purgeable petroleum hydrocarbons)

Table 9
Historical Soil Vapor Sample Analytical Results
Former Chevron-branded Service Station 91723
9757 San Leandro Street
Oakland, California

Boring/ Sample ID	Sample Depth (feet bgs)	Sample Date	TPH-GRO ($\mu\text{g}/\text{m}^3$)	Benzene ($\mu\text{g}/\text{m}^3$)	Toluene ($\mu\text{g}/\text{m}^3$)	Ethylbenzene ($\mu\text{g}/\text{m}^3$)	Total Xylenes ⁽¹⁾ ($\mu\text{g}/\text{m}^3$)	Oxygen (%)	Carbon dioxide (%)	Helium (%)
SV-1	3	10/06/97	--	307	19	26.9	83.3	--	--	--
SV-1	5	10/06/97	--	1,309	17.3	1,129	122.8	--	--	--
SV-2	3	10/06/97	--	3,098	45	825	2,135	--	--	--
SV-2	5	10/06/97	--	1,341	22.6	521	1,241	--	--	--
SV-2	8	10/06/97	--	9,899	4,520	12,588	53,818	--	--	--
SV-3	3	10/06/97	--	15.6	21.1	27.8	126.7	--	--	--
SV-3	5	10/06/97	--	11.5	7.9	11.7	52.9	--	--	--
SV-4	3	10/06/97	--	5.7	18.1	26.0	136.3	--	--	--
SV-4	5	10/06/97	--	6.4	38	26.0	131.1	--	--	--
SV-5 ⁽²⁾	5	10/06/97	--	319,338	5,650	19,967	5,208	--	--	--
SV-6 ⁽³⁾	5	10/06/97	--	1,852	452	2,127	13,802	--	--	--
VP-1	5.25-5.75	06/29/10	26,000,000	3,700	<3,200	<3,600	<3,600	6.2	15	<0.13
VP-2	5.25-5.75	06/29/10	89,000,000	11,000	<2,500	<2,900	<2,900	0.84	21	<0.13
VP-3	5.25-5.75	06/29/10	88,000,000	540,000	1,700	26,000	3,700	2.9	14	<0.13
VP-4	5.25-5.75	06/29/10	53,000,000	22,000	<2,900	<3,400	<3,400	2.4	13	<0.12
VP-5	5.25-5.75	06/29/10	37,000,000	4,100	<2,700	<3,100	<3,100	2.3	18	<0.14
ESLs⁽⁴⁾			2,500,000	420	1,300,000	4,900	440,000	NS	NS	NS

Notes:

(1) Total xylenes is the sum of m,p-xylene and o-xylene. If either m,p-xylene and o-xylene was non-detect, the detected value was used.

If both were non-detect, the highest detection limit was used.

(2) This sample was collected to verify results from boring SV-1.

(3) This sample was collected to verify results from boring SV-2.

(4) California Regional Water Quality Control Board, San Francisco Bay Region, *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Interim Final - December 2013.

Bold text denotes detected concentrations. **Bold/blue** text denotes detected concentrations above ESLs for commercial land use.

Abbreviations:

bgs = below ground surface

TPH-GRO = total petroleum hydrocarbons as gasoline range organics

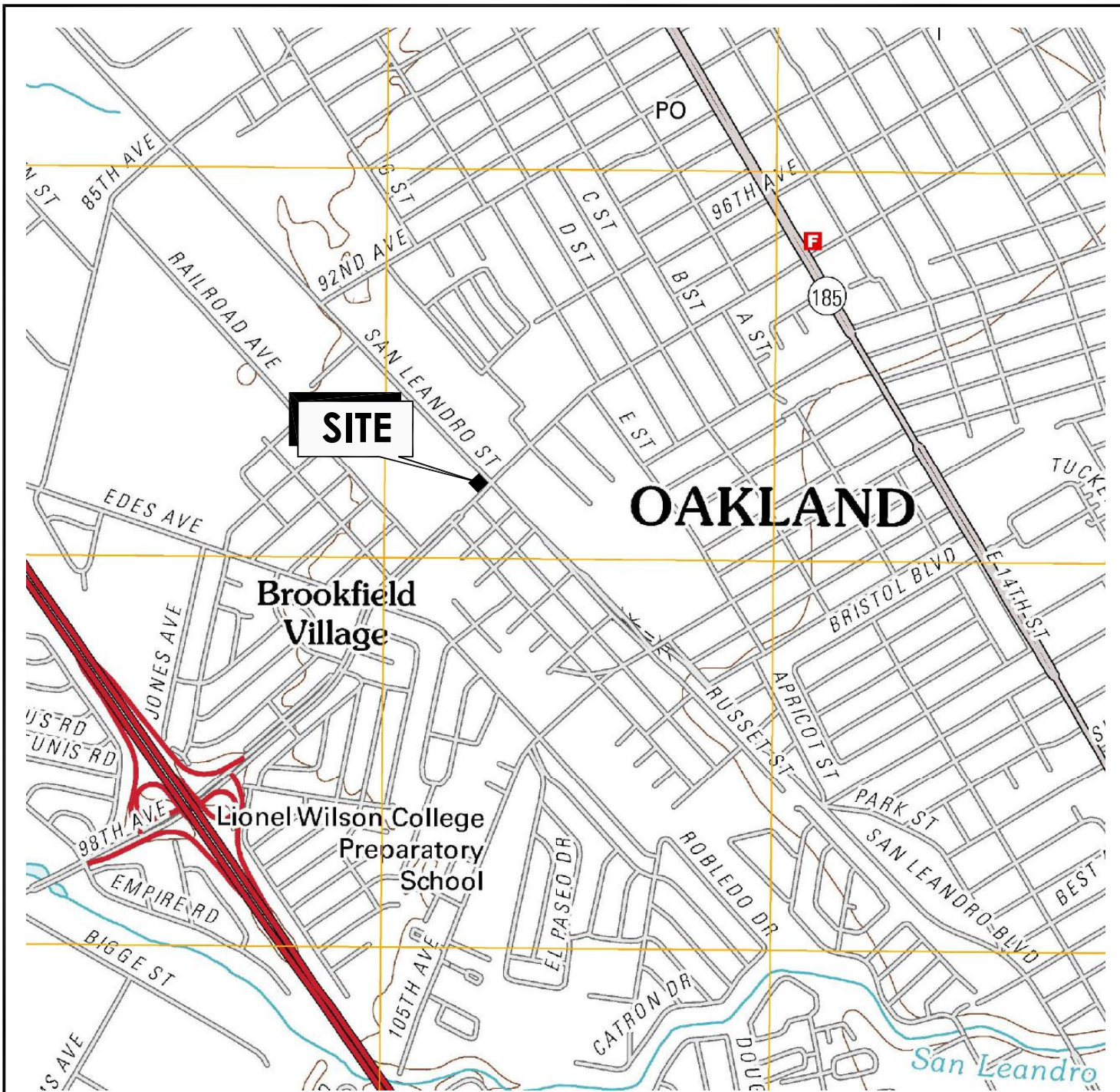
$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

-- = not measured/not analyzed

NS = no standard

ESL = Environmental Screening Level

Figures



CALIFORNIA




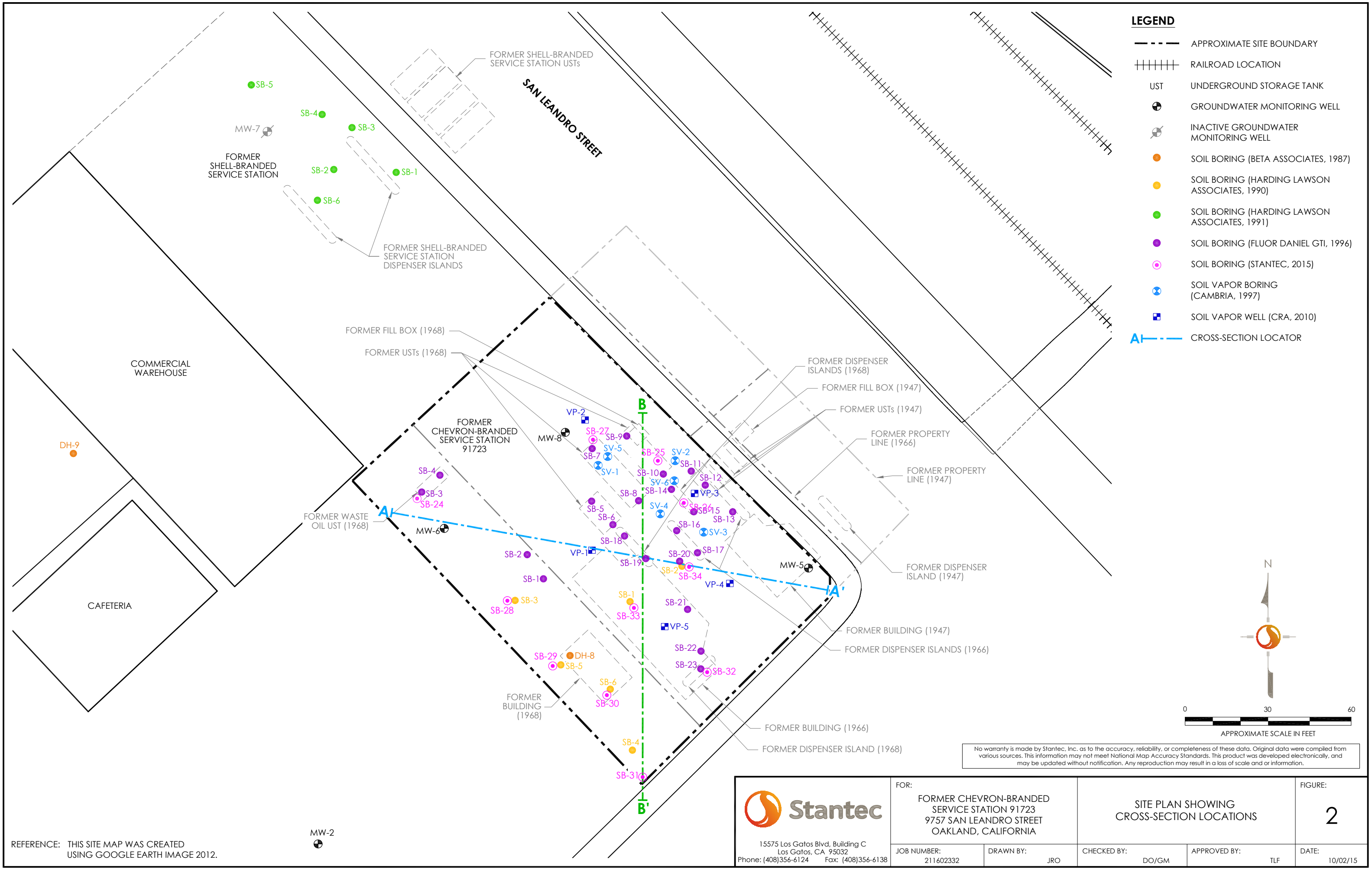
SCALE IN MILES



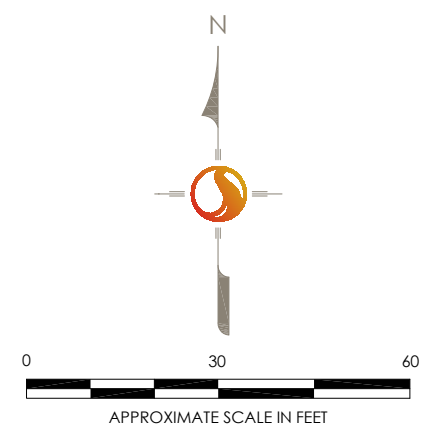
SCALE IN FEET

REFERENCE: USGS 7.5 MINUTE QUADRANGLE;
SAN LEANDRO, CALIFORNIA; 2012

 <p>15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138</p>	<p>FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA</p>	<p>SITE LOCATION MAP</p>		<p>FIGURE: 1</p>
	<p>JOB NUMBER: 211602332</p>	<p>DRAWN BY: JRO</p>	<p>CHECKED BY: DO</p>	<p>APPROVED BY: TLF</p>




- LEGEND**
- APPROXIMATE SITE BOUNDARY
 - ++++ RAILROAD LOCATION
 - UST UNDERGROUND STORAGE TANK
 - ⊕ GROUNDWATER MONITORING WELL
 - ⊖ INACTIVE GROUNDWATER MONITORING WELL
 - SOIL BORING (BETA ASSOCIATES, 1987)
 - SOIL BORING (HARDING LAWSON ASSOCIATES, 1990)
 - SOIL BORING (HARDING LAWSON ASSOCIATES, 1991)
 - SOIL BORING (FLUOR DANIEL GTI, 1996)
 - SOIL BORING (STANTEC, 2015)
 - ⊗ SOIL VAPOR BORING (CAMBRIA, 1997)
 - ⊠ SOIL VAPOR WELL (CRA, 2010)
 - A-A' CROSS-SECTION LOCATOR

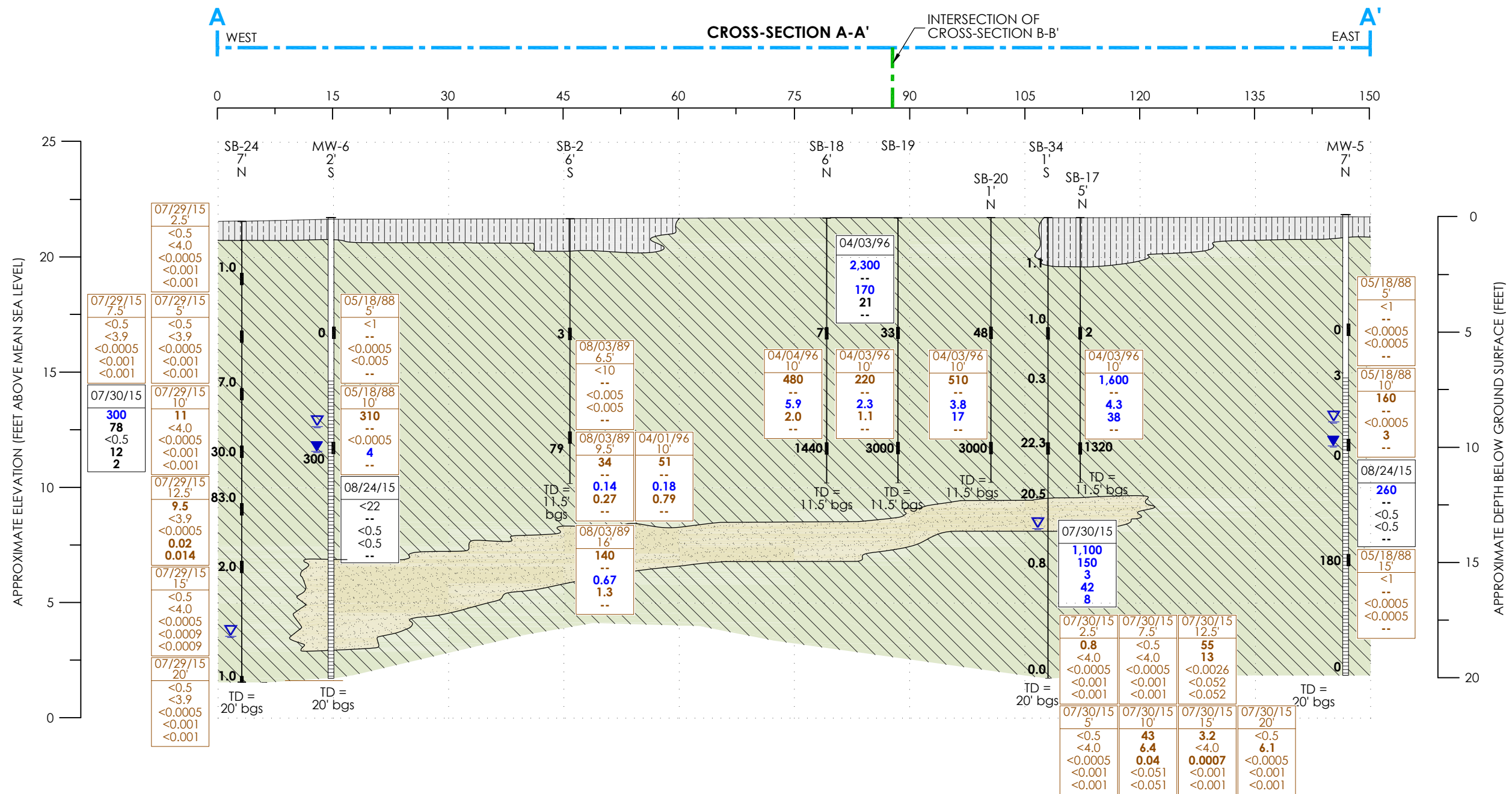


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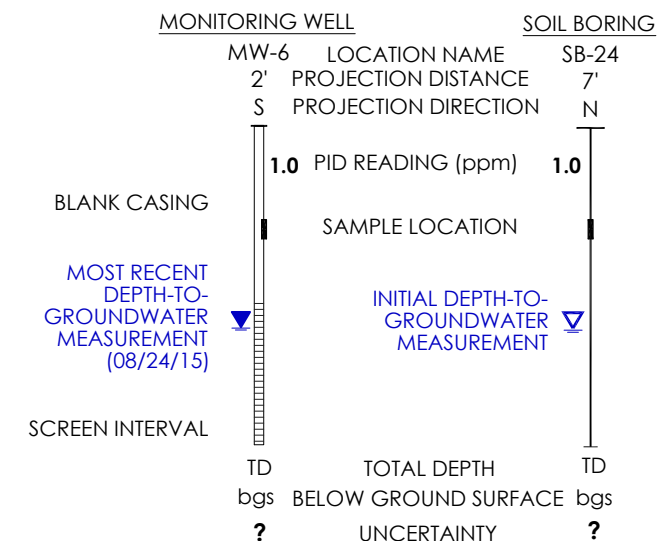
REFERENCE: THIS SITE MAP WAS CREATED USING GOOGLE EARTH IMAGE 2012.

MW-2
⊕

 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		SITE PLAN SHOWING CROSS-SECTION LOCATIONS		FIGURE: 2
	JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: DO/GM	APPROVED BY: TLF	DATE: 10/02/15



LEGEND



NOTES

- PID PHOTOIONIZATION DETECTOR (ppm)
- TPH-GRO TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS (µg/L)
- TPH-DRO TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS (mg/kg)
- BACKFILL
- CLAYEY SAND (SC), SAND WITH GRAVEL (SW), SILTY SAND (SM), AND GRAVEL (GW,GM)
- CLAY (CL/CH) AND SILT (ML)

GROUNDWATER ANALYTICAL RESULTS:

07/30/15	SAMPLE DATE
300	TPH-GRO
78	TPH-DRO
<0.5	BENZENE
12	ETHYLBENZENE
2	NAPHTHALENE

GROUNDWATER RESULTS IN MICROGRAMS PER LITER (µg/L)

SOIL ANALYTICAL RESULTS:

07/29/15	SAMPLE DATE
<0.5	TPH-GRO
<4.0	TPH-DRO
<0.0005	BENZENE
<0.001	ETHYLBENZENE
<0.001	NAPHTHALENE

SOIL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

BOLD TEXT DENOTES CONCENTRATIONS EXCEEDING METHOD DETECTION LIMITS (MDLs).

BOLD/BLUE TEXT DENOTES DETECTED CONCENTRATIONS EXCEEDING ENVIRONMENTAL SCREENING LEVELS (ESLs).

-- = NOT ANALYZED

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN FRANCISCO BAY REGION ESLs FOR COMMERCIAL-INDUSTRIAL LAND USE:

- 100 µg/L GROUNDWATER (TPH-GRO)
- 100 µg/L GROUNDWATER (TPH-DRO)
- 1 µg/L GROUNDWATER (BENZENE)
- 30 µg/L GROUNDWATER (ETHYLBENZENE)
- 6.1 µg/L GROUNDWATER (NAPHTHALENE)
- 500 mg/kg SHALLOW SOIL, 770 mg/kg DEEP SOIL (TPH-GRO)
- 110 mg/kg SHALLOW AND DEEP SOIL (TPH-DRO)
- 0.044 mg/kg SHALLOW AND DEEP SOIL (BENZENE)
- 3.3 mg/kg SHALLOW AND DEEP SOIL (ETHYLBENZENE)
- 1.2 mg/kg SHALLOW AND DEEP SOIL (NAPHTHALENE)
- SHALLOW SOIL REFERS TO SOIL ABOVE 9.84 FEET BGS
- AND DEEP SOIL REFERS TO SOIL BELOW 9.84 FEET BGS.



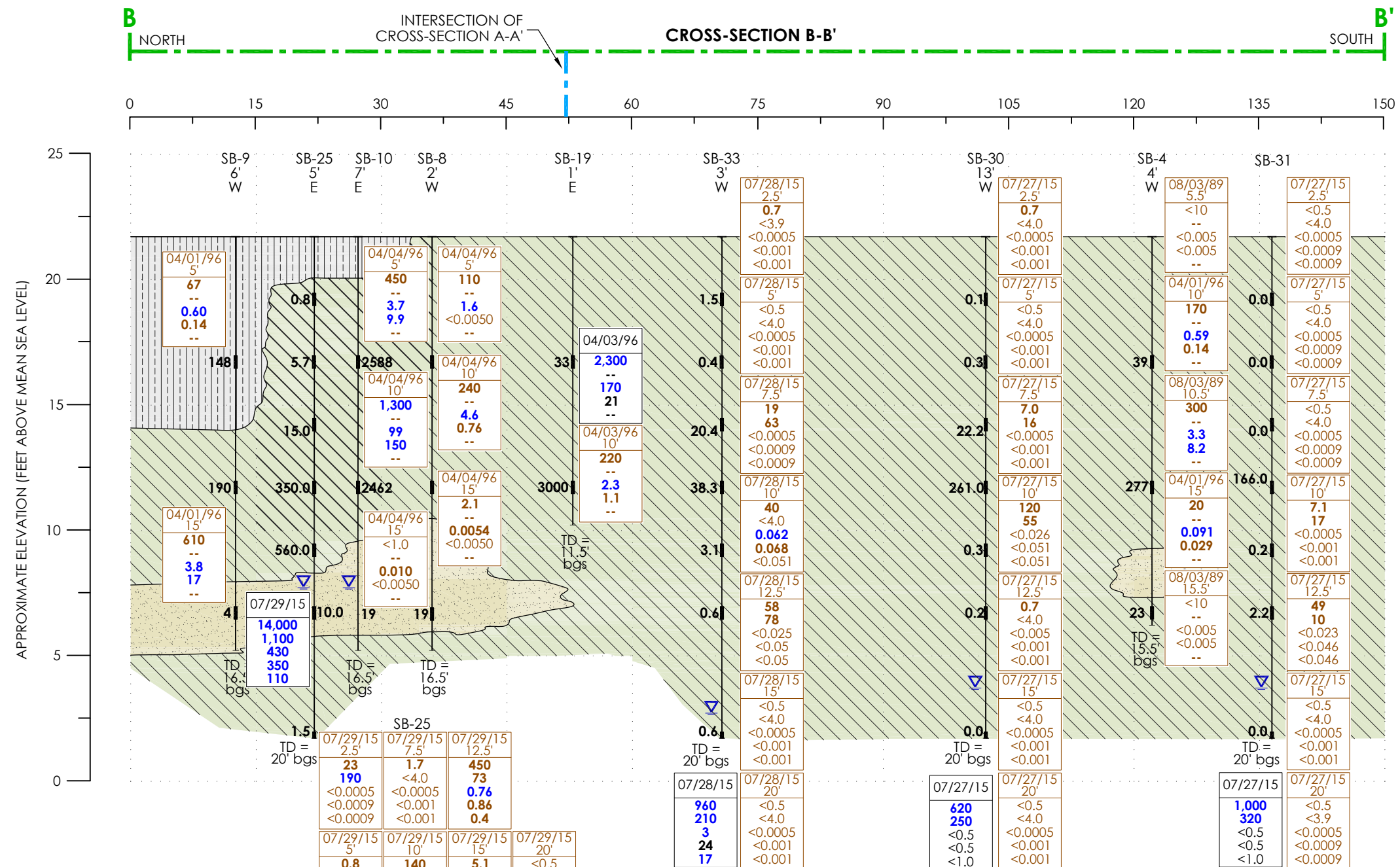
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Los Gatos, CA 95032
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FOR:
FORMER CHEVRON-BRANDED
SERVICE STATION 91723
9757 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

GENERALIZED GEOLOGIC
CROSS-SECTION A-A'

FIGURE:
3

JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: DO	APPROVED BY: TLF	DATE: 10/02/15
--------------------------	------------------	-------------------	---------------------	-------------------



LEGEND

SOIL BORING	
LOCATION NAME	SB-9
PROJECTION DISTANCE	6'
PROJECTION DIRECTION	W
PID READING (ppm)	1.0
SAMPLE LOCATION	
INITIAL DEPTH-TO-GROUNDWATER MEASUREMENT	
TOTAL DEPTH BELOW GROUND SURFACE	TD
UNCERTAINTY	?

NOTES

PID (ppm)	TPH-GRO (µg/L)	TPH-DRO (mg/kg)	BACKFILL	CLAYEY SAND (SC), SAND WITH GRAVEL (SW), SILTY SAND (SM), AND GRAVEL (GW,GM)	CLAY (CL/CH) AND SILT (ML)
1.0	1.0	1.0			

GROUNDWATER ANALYTICAL RESULTS:

07/29/15	07/29/15	07/29/15	07/29/15
14,000	1,100	430	350
3	110		

SOIL ANALYTICAL RESULTS:

08/04/89	07/29/15	07/29/15	07/29/15	07/29/15
<10	0.8	140	5.1	<0.5
<0.005	<0.0005	0.32	0.01	<3.9
<0.005	<0.001	0.096	0.001	<0.001
--	<0.001	0.69	<0.001	<0.001

BOLD TEXT DENOTES CONCENTRATIONS EXCEEDING METHOD DETECTION LIMITS (MDLs).

BOLD/BLUE TEXT DENOTES DETECTED CONCENTRATIONS EXCEEDING ENVIRONMENTAL SCREENING LEVELS (ESLs).

-- = NOT ANALYZED

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD-SAN FRANCISCO BAY REGION ESLs FOR COMMERCIAL-INDUSTRIAL LAND USE:

- 100 µg/L GROUNDWATER (TPH-GRO)
- 100 µg/L GROUNDWATER (TPH-DRO)
- 1 µg/L GROUNDWATER (BENZENE)
- 30 µg/L GROUNDWATER (ETHYLBENZENE)
- 6.1 µg/L GROUNDWATER (NAPHTHALENE)
- 500 mg/kg SHALLOW SOIL, 770 mg/kg DEEP SOIL (TPH-GRO)
- 110 mg/kg SHALLOW AND DEEP SOIL (TPH-DRO)
- 0.044 mg/kg SHALLOW AND DEEP SOIL (BENZENE)
- 3.3 mg/kg SHALLOW AND DEEP SOIL (ETHYLBENZENE)
- 1.2 mg/kg SHALLOW AND DEEP SOIL (NAPHTHALENE)

SHALLOW SOIL REFERS TO SOIL ABOVE 9.84 FEET BGS AND DEEP SOIL REFERS TO SOIL BELOW 9.84 FEET BGS.

<p>15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138</p>	FOR:	FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		GENERALIZED GEOLOGIC CROSS-SECTION B-B'		FIGURE:	4
	JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:		
	211602332	JRO	DO	TLF	08/18/15		

LEGEND

- - - - - APPROXIMATE SITE BOUNDARY
- +++++ RAILROAD LOCATION
- UST UNDERGROUND STORAGE TANK
- ⊕ GROUNDWATER MONITORING WELL
- ⊖ INACTIVE GROUNDWATER MONITORING WELL
- SOIL BORING (STANTEC, 2015)

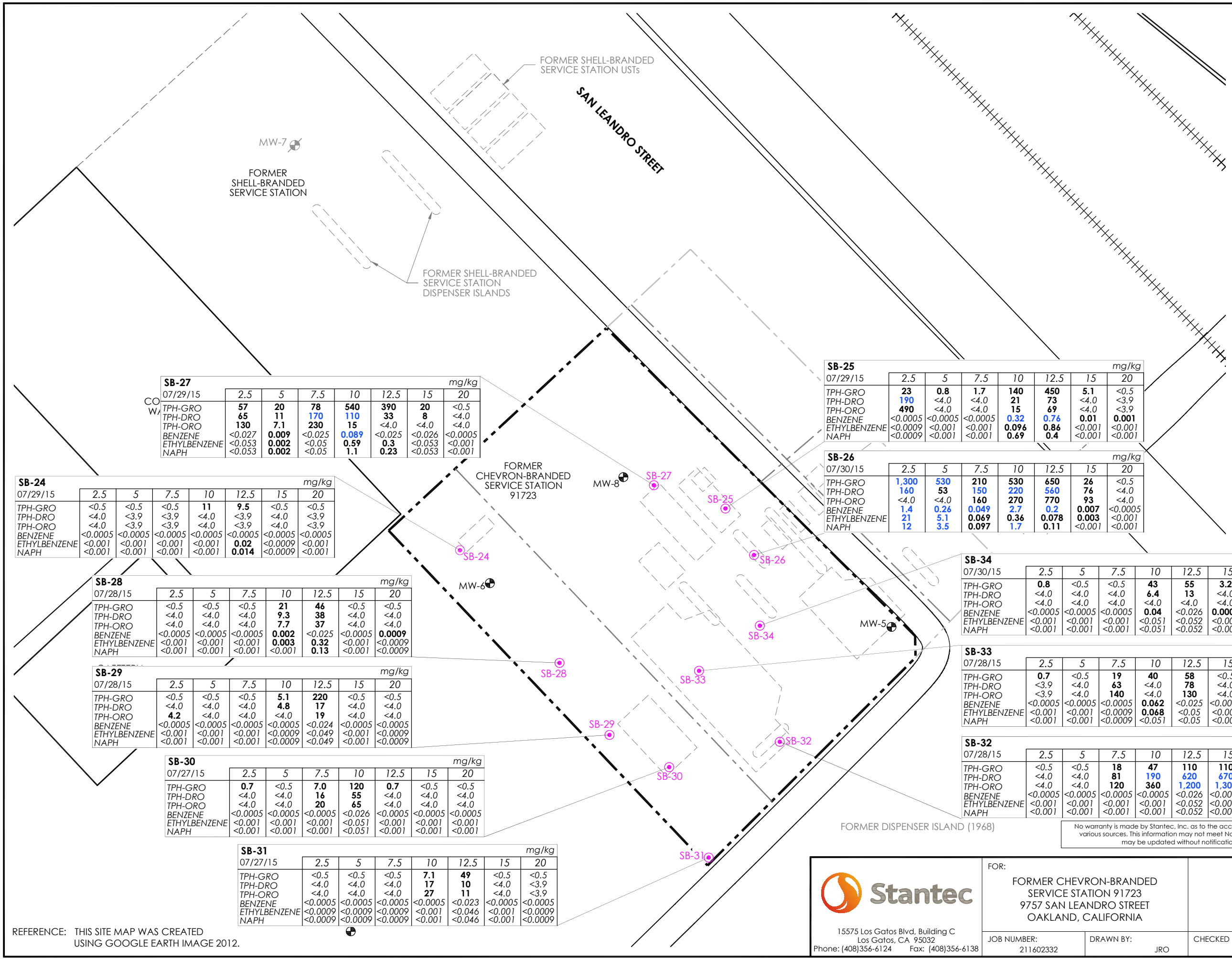
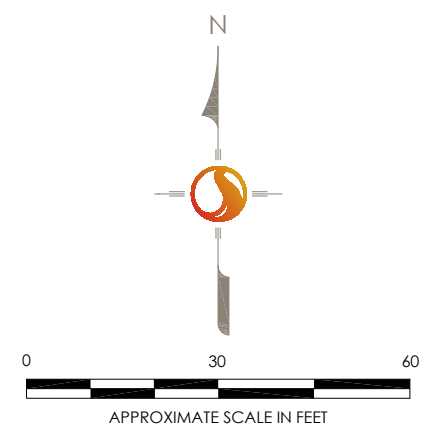
ANALYTES

SAMPLE ID	MEASUREMENT OF SAMPLE	
	DATE SAMPLED	DEPTH SAMPLED (ft bgs)
TPH-GRO	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS	
TPH-DRO	TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS	
TPH-ORO	TOTAL PETROLEUM HYDROCARBONS AS OIL RANGE ORGANICS	
NAPH	NAPHTHALENE	

mg/kg = MILLIGRAMS PER KILOGRAM
 ft = FEET
 bgs = BELOW GROUND SURFACE

BOLD = TEXT DENOTES CONCENTRATIONS EXCEEDING METHOD DETECTION LIMITS (MDLS).

BLUE = TEXT DENOTES CONCENTRATIONS EXCEEDING REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) ENVIRONMENTAL SCREENING LEVELS (ESLs).



SB-27		mg/kg						
07/29/15		2.5	5	7.5	10	12.5	15	20
TPH-GRO		57	20	78	540	390	20	<0.5
TPH-DRO		65	11	170	110	33	8	<4.0
TPH-ORO		130	7.1	230	15	<4.0	<4.0	<4.0
BENZENE		<0.027	0.009	<0.025	0.089	<0.025	<0.026	<0.0005
ETHYLBENZENE		<0.053	0.002	<0.05	0.59	<0.053	<0.001	<0.001
NAPH		<0.053	0.002	<0.05	1.1	0.23	<0.053	<0.001

SB-25		mg/kg						
07/29/15		2.5	5	7.5	10	12.5	15	20
TPH-GRO		23	0.8	1.7	140	450	5.1	<0.5
TPH-DRO		190	<4.0	<4.0	21	73	<4.0	<3.9
TPH-ORO		490	<4.0	<4.0	15	69	<4.0	<3.9
BENZENE		<0.0005	<0.0005	<0.0005	0.32	0.76	0.01	0.001
ETHYLBENZENE		<0.0009	<0.001	<0.001	0.096	0.86	<0.001	<0.001
NAPH		<0.0009	<0.001	<0.001	0.69	0.4	<0.001	<0.001

SB-26		mg/kg						
07/30/15		2.5	5	7.5	10	12.5	15	20
TPH-GRO		1,300	530	210	530	650	26	<0.5
TPH-DRO		160	53	150	220	560	76	<4.0
TPH-ORO		<4.0	<4.0	160	270	770	93	<4.0
BENZENE		1.4	0.26	0.049	2.7	0.2	0.007	<0.0005
ETHYLBENZENE		21	5.1	0.069	0.36	0.078	0.003	<0.001
NAPH		12	3.5	0.097	1.7	0.11	<0.001	<0.001

SB-24		mg/kg						
07/29/15		2.5	5	7.5	10	12.5	15	20
TPH-GRO		<0.5	<0.5	<0.5	11	9.5	<0.5	<0.5
TPH-DRO		<4.0	<3.9	<3.9	<4.0	<3.9	<4.0	<3.9
TPH-ORO		<4.0	<3.9	<3.9	<4.0	<3.9	<4.0	<3.9
BENZENE		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
ETHYLBENZENE		<0.001	<0.001	<0.001	<0.001	0.02	<0.0009	<0.001
NAPH		<0.001	<0.001	<0.001	<0.001	0.014	<0.0009	<0.001

SB-28		mg/kg						
07/28/15		2.5	5	7.5	10	12.5	15	20
TPH-GRO		<0.5	<0.5	<0.5	21	46	<0.5	<0.5
TPH-DRO		<4.0	<4.0	<4.0	9.3	38	<4.0	<4.0
TPH-ORO		<4.0	<4.0	<4.0	7.7	37	<4.0	<4.0
BENZENE		<0.0005	<0.0005	<0.0005	0.002	<0.025	<0.0005	0.0009
ETHYLBENZENE		<0.001	<0.001	<0.001	0.003	0.32	<0.001	<0.0009
NAPH		<0.001	<0.001	<0.001	0.13	<0.001	<0.001	<0.0009

SB-29		mg/kg						
07/28/15		2.5	5	7.5	10	12.5	15	20
TPH-GRO		<0.5	<0.5	<0.5	5.1	220	<0.5	<0.5
TPH-DRO		<4.0	<4.0	<4.0	4.8	17	<4.0	<4.0
TPH-ORO		4.2	<4.0	<4.0	19	<4.0	<4.0	<4.0
BENZENE		<0.0005	<0.0005	<0.0005	<0.0005	<0.024	<0.0005	<0.0005
ETHYLBENZENE		<0.001	<0.001	<0.001	<0.0009	<0.049	<0.001	<0.0009
NAPH		<0.001	<0.001	<0.001	<0.0009	<0.049	<0.001	<0.0009

SB-30		mg/kg						
07/27/15		2.5	5	7.5	10	12.5	15	20
TPH-GRO		0.7	<0.5	7.0	120	0.7	<0.5	<0.5
TPH-DRO		<4.0	<4.0	16	55	<4.0	<4.0	<4.0
TPH-ORO		<4.0	<4.0	20	65	<4.0	<4.0	<4.0
BENZENE		<0.0005	<0.0005	<0.0005	<0.026	<0.0005	<0.0005	<0.0005
ETHYLBENZENE		<0.001	<0.001	<0.001	<0.051	<0.001	<0.001	<0.001
NAPH		<0.001	<0.001	<0.001	<0.051	<0.001	<0.001	<0.001

SB-31		mg/kg						
07/27/15		2.5	5	7.5	10	12.5	15	20
TPH-GRO		<0.5	<0.5	<0.5	7.1	49	<0.5	<0.5
TPH-DRO		<4.0	<4.0	<4.0	17	10	<4.0	<3.9
TPH-ORO		<4.0	<4.0	<4.0	27	11	<4.0	<3.9
BENZENE		<0.0005	<0.0005	<0.0005	<0.0005	<0.023	<0.0005	<0.0005
ETHYLBENZENE		<0.0009	<0.0009	<0.0009	<0.001	<0.046	<0.001	<0.0009
NAPH		<0.0009	<0.0009	<0.0009	<0.001	<0.046	<0.001	<0.0009

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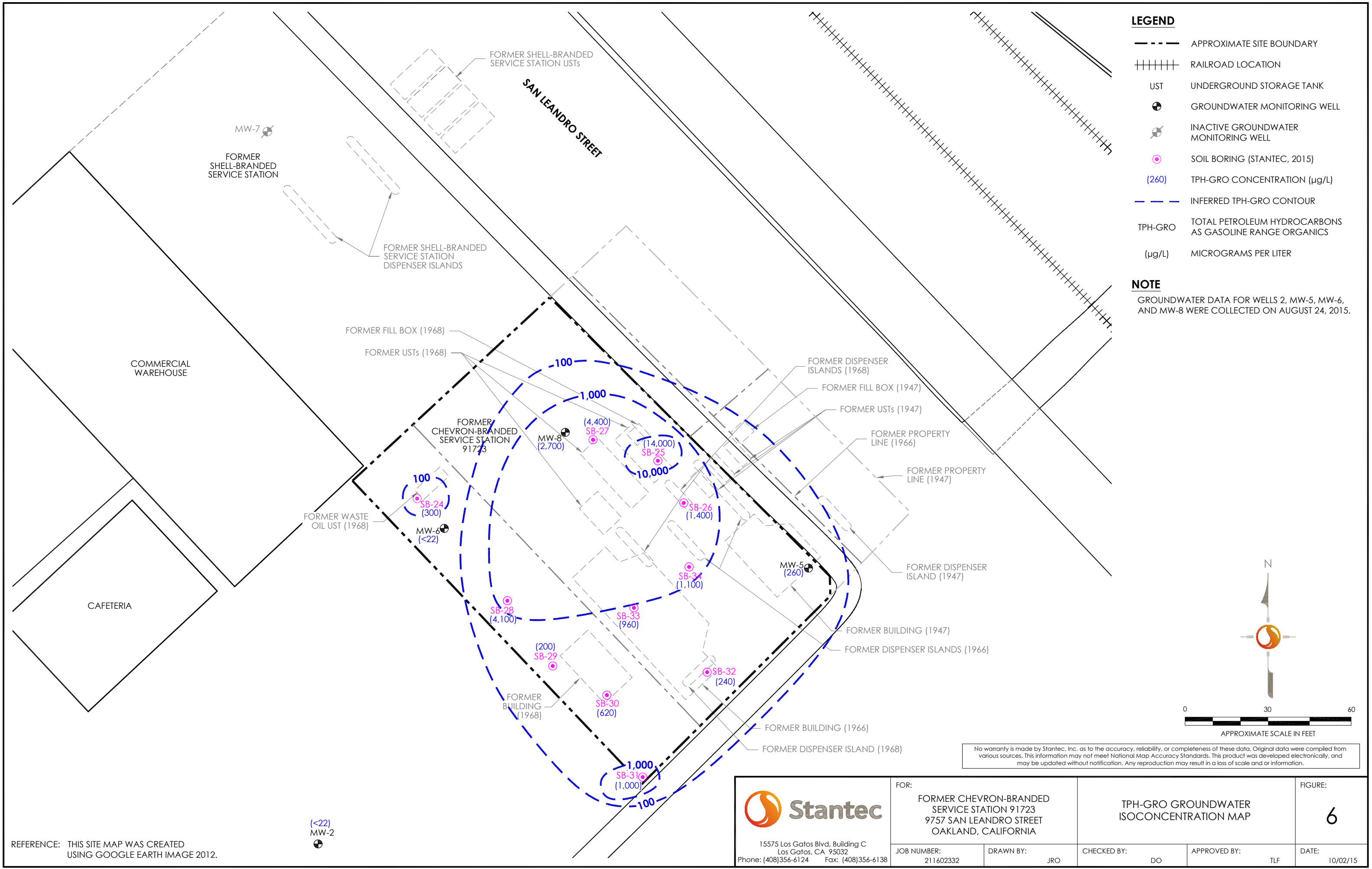
 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA	SITE PLAN SHOWING SOIL ANALYTICAL RESULTS		FIGURE: 5
	JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: DO	APPROVED BY: TLF

LEGEND

- APPROXIMATE SITE BOUNDARY
- ++++ RAILROAD LOCATION
- UST UNDERGROUND STORAGE TANK
- ⊕ GROUNDWATER MONITORING WELL
- ⊖ INACTIVE GROUNDWATER MONITORING WELL
- ⊙ SOIL BORING (STANTEC, 2015)
- (260) TPH-GRO CONCENTRATION (µg/L)
- - - - INFERRED TPH-GRO CONTOUR
- TPH-GRO TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
- (µg/L) MICROGRAMS PER LITER

NOTE


GROUNDWATER DATA FOR WELLS 2, MW-5, MW-6, AND MW-8 WERE COLLECTED ON AUGUST 24, 2015.



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REFERENCE: THIS SITE MAP WAS CREATED USING GOOGLE EARTH IMAGE 2012.

(<22)
MW-2

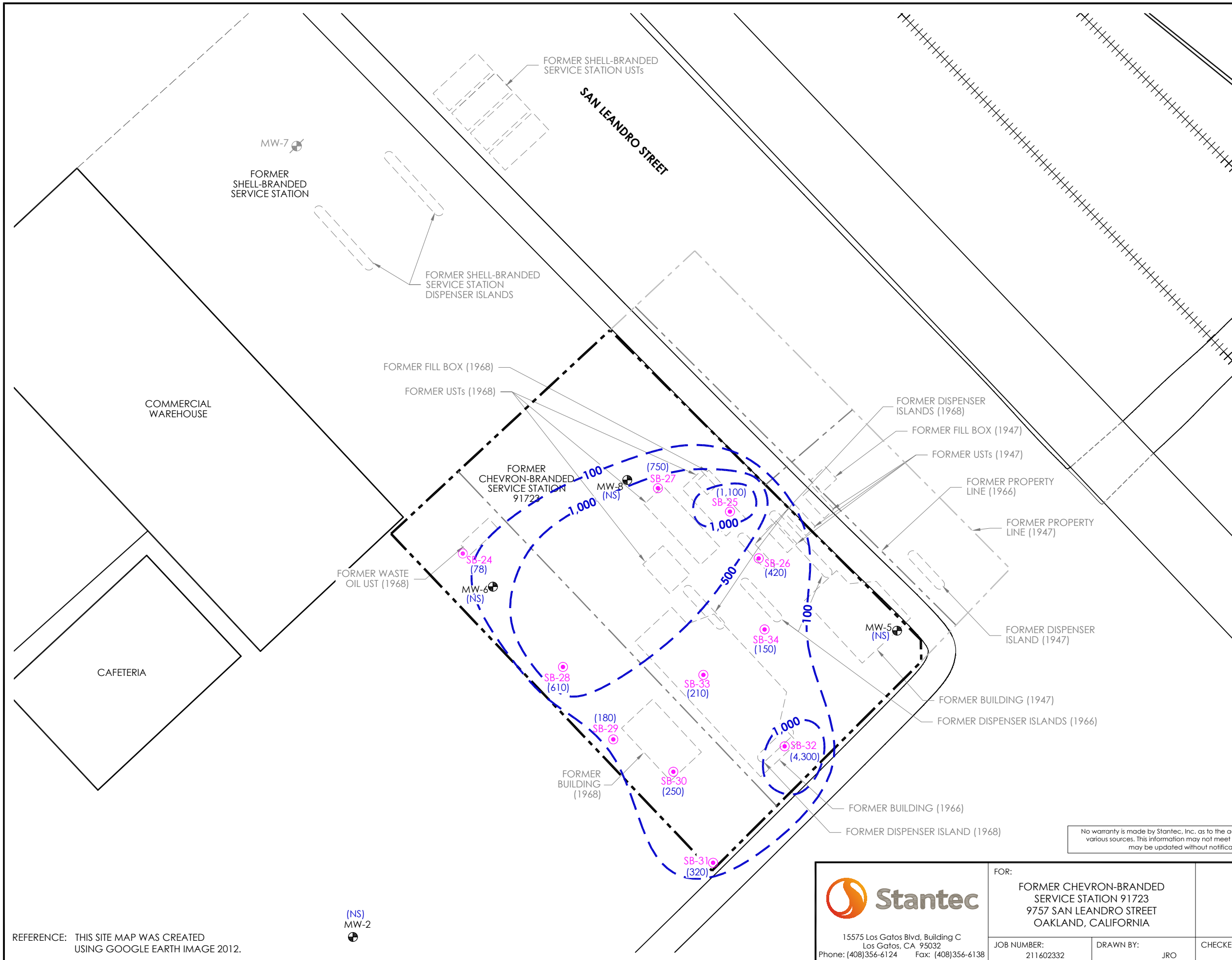
 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		TPH-GRO GROUNDWATER ISOCONCENTRATION MAP		FIGURE: 6
	JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: DO	APPROVED BY: TLF	DATE: 10/02/15

LEGEND

- APPROXIMATE SITE BOUNDARY
- RAILROAD LOCATION
- UST UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- INACTIVE GROUNDWATER MONITORING WELL
- SOIL BORING (STANTEC, 2015)
- (78) TPH-DRO CONCENTRATION (µg/L)
- INFERRED TPH-DRO CONTOUR
- TPH-DRO TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS (µg/L)

NOTE

GROUNDWATER DATA FOR WELLS 2, MW-5, MW-6, AND MW-8 WERE COLLECTED ON AUGUST 24, 2015.



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REFERENCE: THIS SITE MAP WAS CREATED USING GOOGLE EARTH IMAGE 2012.

(NS)
MW-2

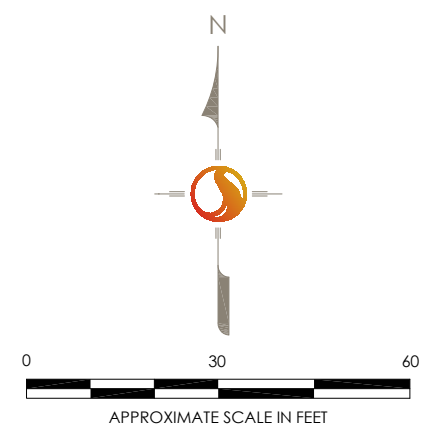
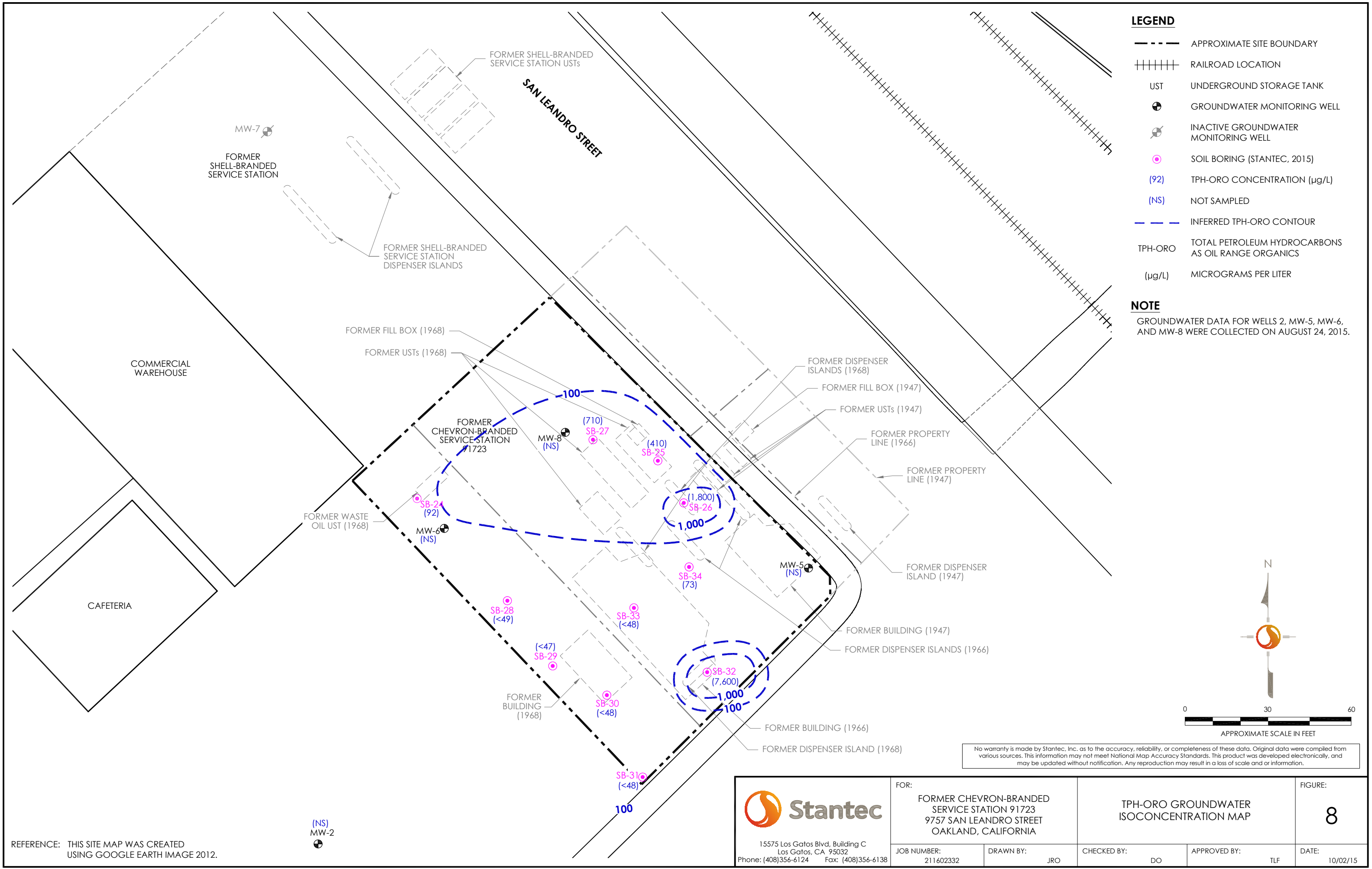
<p>15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138</p>	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		TPH-DRO GROUNDWATER ISOCONCENTRATION MAP		FIGURE: 7
	JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: DO	APPROVED BY: TLF	DATE: 10/02/15

LEGEND

- APPROXIMATE SITE BOUNDARY
- ++++ RAILROAD LOCATION
- UST UNDERGROUND STORAGE TANK
- ⊕ GROUNDWATER MONITORING WELL
- ⊖ INACTIVE GROUNDWATER MONITORING WELL
- SOIL BORING (STANTEC, 2015)
- (92) TPH-ORO CONCENTRATION (µg/L)
- (NS) NOT SAMPLED
- - - INFERRED TPH-ORO CONTOUR
- TPH-ORO TOTAL PETROLEUM HYDROCARBONS AS OIL RANGE ORGANICS
- (µg/L) MICROGRAMS PER LITER

NOTE

GROUNDWATER DATA FOR WELLS 2, MW-5, MW-6, AND MW-8 WERE COLLECTED ON AUGUST 24, 2015.



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(NS)
MW-2

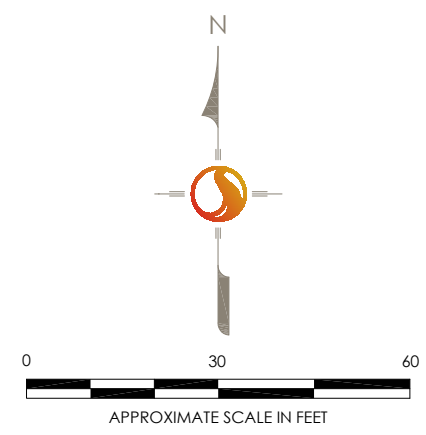
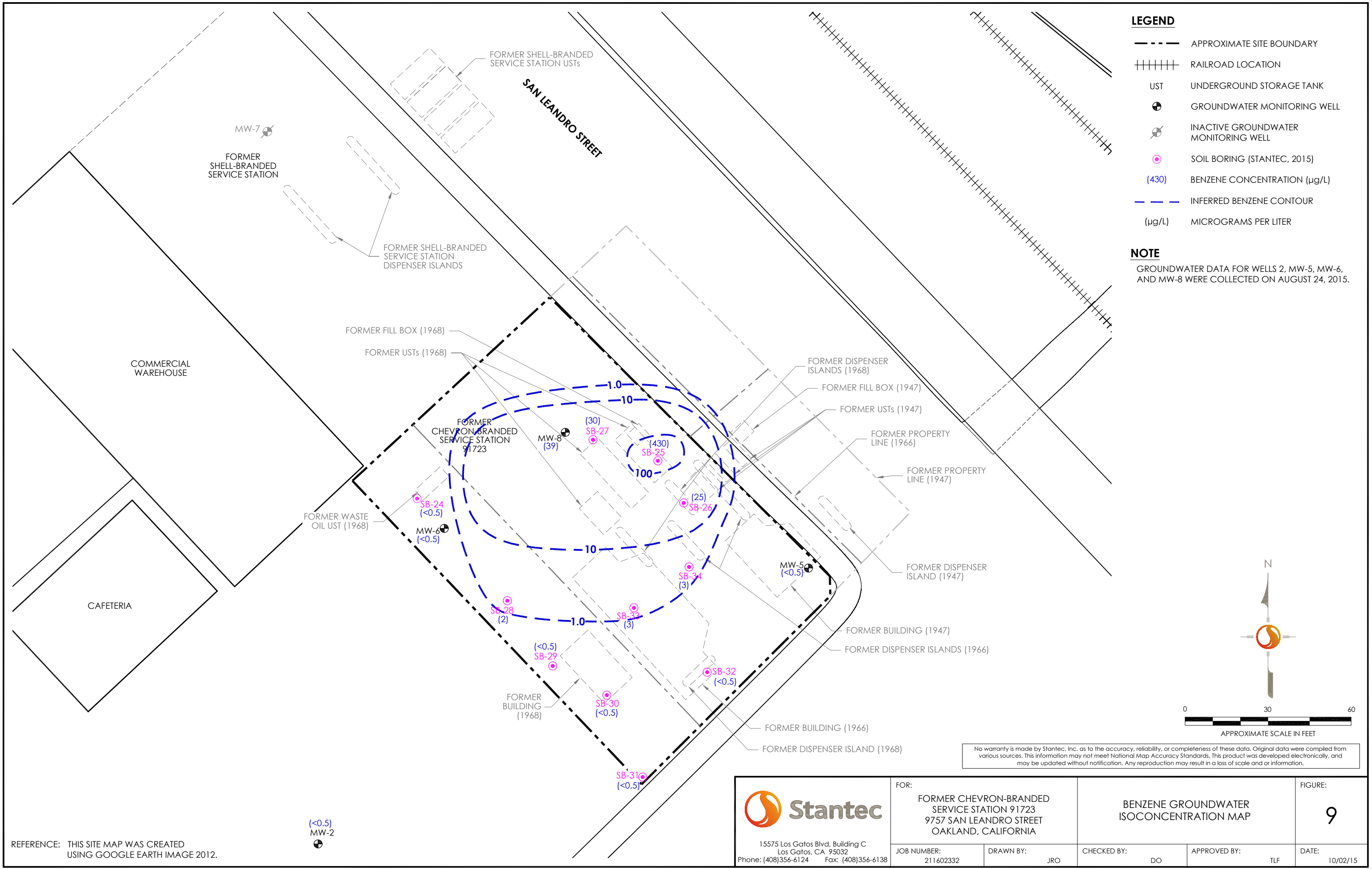
 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		TPH-ORO GROUNDWATER ISOCONCENTRATION MAP		FIGURE: 8
	JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: DO	APPROVED BY: TLF	DATE: 10/02/15

LEGEND

- APPROXIMATE SITE BOUNDARY
- ++++ RAILROAD LOCATION
- UST UNDERGROUND STORAGE TANK
- ⊕ GROUNDWATER MONITORING WELL
- ⊖ INACTIVE GROUNDWATER MONITORING WELL
- ⊙ SOIL BORING (STANTEC, 2015)
- (430) BENZENE CONCENTRATION (μg/L)
- INFERRED BENZENE CONTOUR
- (μg/L) MICROGRAMS PER LITER

NOTE

GROUNDWATER DATA FOR WELLS 2, MW-5, MW-6, AND MW-8 WERE COLLECTED ON AUGUST 24, 2015.



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REFERENCE: THIS SITE MAP WAS CREATED USING GOOGLE EARTH IMAGE 2012.

(<0.5)
MW-2

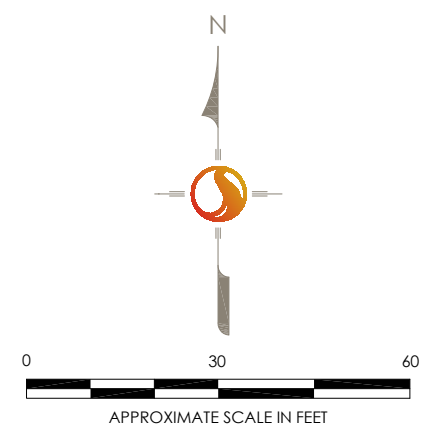
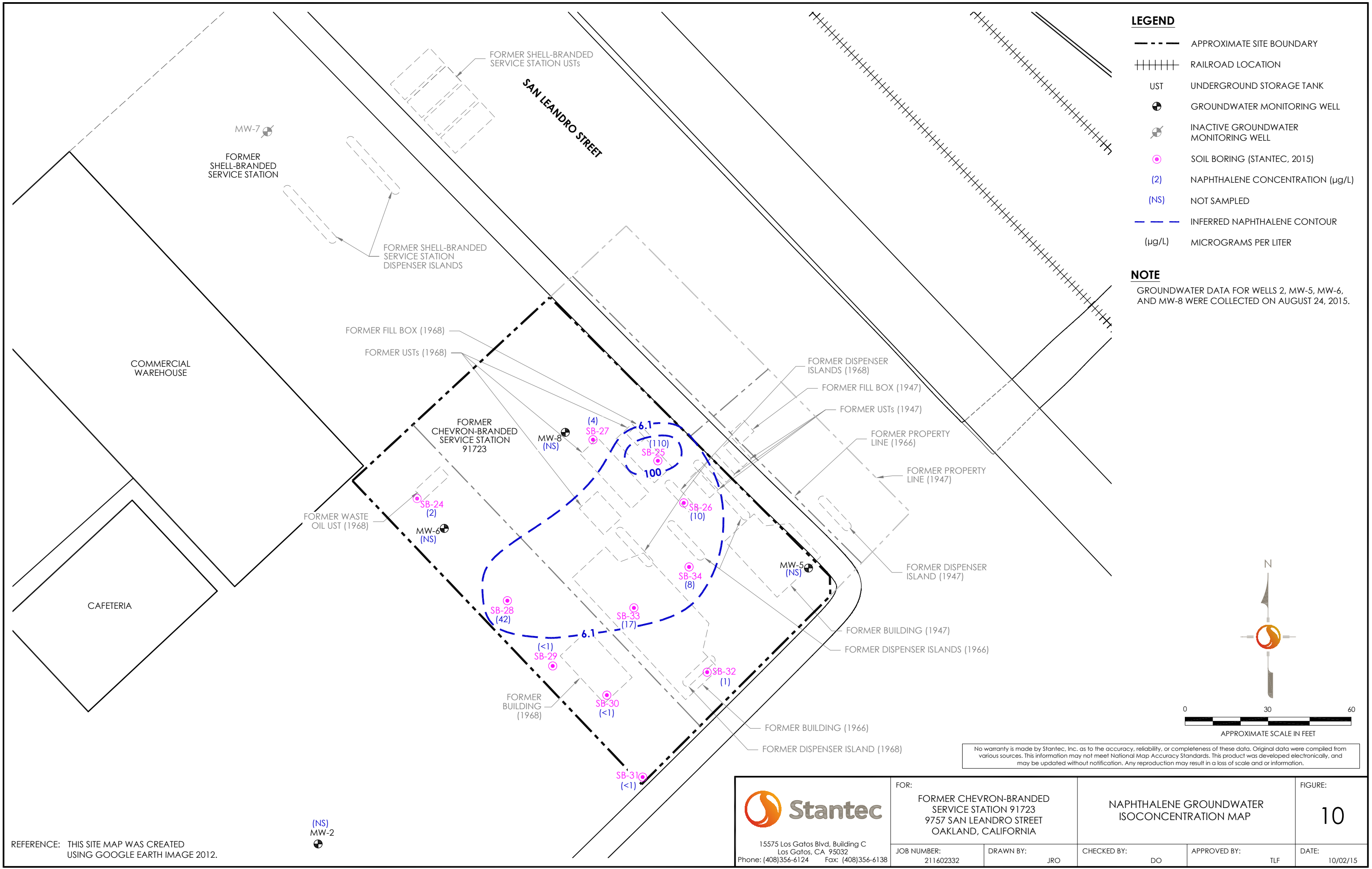
 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		BENZENE GROUNDWATER ISOCONCENTRATION MAP		FIGURE: 9
	JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: DO	APPROVED BY: TLF	DATE: 10/02/15

LEGEND

- APPROXIMATE SITE BOUNDARY
- ++++ RAILROAD LOCATION
- UST UNDERGROUND STORAGE TANK
- ⊕ GROUNDWATER MONITORING WELL
- ⊖ INACTIVE GROUNDWATER MONITORING WELL
- ⊙ SOIL BORING (STANTEC, 2015)
- (2) NAPHTHALENE CONCENTRATION (µg/L)
- (NS) NOT SAMPLED
- INFERRED NAPHTHALENE CONTOUR (µg/L)
- MICROGRAMS PER LITER

NOTE


GROUNDWATER DATA FOR WELLS 2, MW-5, MW-6, AND MW-8 WERE COLLECTED ON AUGUST 24, 2015.



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REFERENCE: THIS SITE MAP WAS CREATED USING GOOGLE EARTH IMAGE 2012.

(NS)
MW-2

 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		NAPHTHALENE GROUNDWATER ISOCONCENTRATION MAP		FIGURE: 10
	JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: DO	APPROVED BY: TLF	DATE: 10/02/15

Appendix A

Regional Water Quality Control Board – North
Coast Region Correspondence

Flora, Travis

From: Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>
Sent: Monday, February 03, 2014 9:51 AM
To: MacLeod, Carryl G; Flora, Travis
Cc: Fischer, Alexis N; Roe, Dilan, Env. Health
Subject: Meeting Followup: RO412 / Chevron 91723; 9757 San Leandro Street, Oakland, CA
Attachments: Attachment_1_and_ftpUploadInstructions_2013_09-17.pdf; Attachment A Site Conceptual Model.pdf

Carryl and Travis,

This email is in followup to our meeting of January 21, 2014, to discuss the subject site and an efficient strategy for addressing data gaps under the Low-Threat Closure Policy. A summary of the main points of our discussion is provided below for incorporation into the focused Site Conceptual Model (SCM) and Data Gap Work Plan that was discussed at the meeting, and is requested below. Items discussed include, but were not limited to the following.

TECHNICAL COMMENTS

1. **Groundwater Plume Delineation** - The following data gaps were included in the discussion. Additional data gaps may be noted in your case review.
 - a. Wells MW-1, 3, 4, and 7 have been destroyed, abandoned, or lost; however, the specific status of wells are not known.
 - b. Four water supply wells are documented in case files to be within 100 to 250 feet of the release. Some may have been destroyed since they were originally documented. The status or construction details of each water supply well is not known.
 - c. The lateral and downgradient extent of contamination in groundwater has not been defined. There appears to be two principal groundwater flow directions at the site, west and north-northwest.
 - d. Groundwater collected from former wells MW-1 and MW-7 historically contained a series of HVOC compounds and are downgradient of the former waste oil UST. The downgradient extent for HVOC contaminants has not been delineated.
 - e. Only soil bore logs for wells MW-1, MW-2, and MW-4 (DH-1, DH-2, and DH-4) have been submitted; well logs have not been submitted to confirm reported well screen intervals, and if they are (or were) capable of capturing representative groundwater concentrations.
 - f. Soil or well logs for MW-3 have not been submitted.
 - g. Well MW-2 is consistently submerged and based on reported screen intervals in groundwater monitoring reports, does not define the southern edge of the plume.
 - h. The historic groundwater flow direction ranges substantially more than current rose diagrams suggest, and should be updated to allow an understanding of plume dimensions and delineation.
 - i. Because the location of the site is in an heavily-used industrial setting, the former presence of diesel usage (and analysis for naphthalene and other PAHs) at the site should be evaluated. The presence of TPHd could affect the extent of delineation of groundwater contamination.
2. **Soil Vapor Data** – Soil vapor data from 2010 does not allow the site to meet the vapor intrusion to indoor air criteria of the LTCP, and suggests residual shallow soil contamination not currently seen in groundwater. The resampling of the vapor wells was discussed, and should include HVOCs (full) and naphthalene. Problems have been encountered by Chevron with respect to accessing these wells. ACEH has issued a letter to the property

owners inquiring as to future development plans for the site in order to determine appropriate cleanup goals for the site. If ACEH does not receive information by March 31, 2014, ACEH will assume the current commercial land use will define applicable remedial goals. Unless otherwise informed, the resampling of vapor will follow current 2012 DTSC guidelines.

- 3. Direct Contact and Outdoor Air Data Gaps** - Naphthalene and PAH concentrations in soil also do not appear to have been analyzed in the former waste oil UST source area, and the potential for the use of diesel at the site is considered probable.

TECHNICAL REPORT REQUEST

In ACEHs directive letter dated September 18, 2013, a delivery date of November 15, 2013 was initially assigned for the submittal of the SCM. This was later extended to February 28, 2014; however, per the discussion at the meeting and previous emails, ACEH will extend the submittal date for the SCM and Data Gap Work Plan (if appropriate) to **March 31, 2014**.

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.

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>.

I believe this captures the principal points of our discussions, if not all. If you believe I have left something off, please let me know.

Otherwise, should you have questions, please let me know.

Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6876
Fax: 510.337.9335
Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>



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

May 29, 2014

Ms. Carryl MacLeod
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
(sent via email to CMacleod@chevron.com)

9401 San Leandro LP
104 Caledonia Street
Sausalito, CA 94965

Ms. Linda Hothem
Linda Hothem and Pacam Group LLC
104 Caledonia Street
Sausalito, CA 94965

Ms. Gene Kida
Gerber Products
12 Vreeland Road
Fiorham Park, NJ 07932

Linda Hothem Trust
c/o Mr. Jan Greben
Greben & Associates
1332 Anacapa Street,
Suite 110
Santa Barbara, CA 93101

Subject: Request for Data Gap Work Plan Addendum; Fuel Leak Case No. RO0000412 and Geotracker Global ID T0600101789, Chevron #9-1723; 9757 San Leandro Street, Oakland, CA 94603

Dear Ladies and Gentlemen:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Site Conceptual Model and Data Gap Work Plan*, dated March 31, 2014, and the *First Quarter 2014 Semi-Annual Groundwater Monitoring Report*, dated May 20, 2014. Both reports were prepared and submitted on your behalf by Stantec Consulting Services, Inc (Stantec). The work plan recommends determining the status of four unmonitored offsite wells, and resampling of vapor at five existing onsite soil vapor wells.

ACEH has evaluated the data and recommendations presented in the above-mentioned reports, in conjunction with the case files, to determine if the site is eligible for closure as a low risk site under the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP). Based on ACEH staff review, we have determined that the site fails to meet the LTCP General Criteria b (Petroleum Release Only), f (Secondary Source Removal), and the Media-Specific Criteria for Groundwater, the Media-Specific Criteria for Vapor Intrusion to Indoor Air, and the Media-Specific Criteria for Direct Contact (see Geotracker for a copy of the review).

Therefore, at this juncture ACEH requests that you prepare a Revised Data Gap Investigation Work Plan that is supported by a focused Site Conceptual Model (SCM) to address the Technical Comments provided below.

TECHNICAL COMMENTS

- 1. LTCP General Criteria b (Unauthorized Release Consists Only of Petroleum)** – For purposes of this policy, petroleum is defined as crude oil, or any fraction thereof, which is liquid at standard conditions and temperature and pressure, which means 60 degrees Fahrenheit and 14.7 pounds per square inch absolute including the following substances: motor fuels, jet fuels, distillate fuel oils, residual fuel oils, lubricants, petroleum solvents and used oils, including any additives and blending agents such as oxygenates contained in the formulation of the substances.

A former waste oil underground storage tank (UST) was previously located in the northwestern downgradient corner of the subject site. Soil bores SB3 and SB-4 were installed in the general location of the former UST; however, soil was only analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and Total Oil and Grease (TOG). Other standard waste oil constituents were not analyzed for. This includes analysis for Total Petroleum Hydrocarbons as diesel (TPHd), volatile organic compounds (VOCs; full scan including BTEX, MTBE, TBA, naphthalene, and chlorinated hydrocarbons [HVOCs]), Semi-Volatile Organic Compounds (SVOCs; including polycyclic aromatic hydrocarbons [PAHs], pentachlorophenol, and creosote), wear metals, and polychlorinated biphenyls (PCBs). In contrast, groundwater from wells MW-1, MW-7, and MW-9, the only wells located downgradient of the former waste oil UST (as documented by the existing rose diagram, and the groundwater contour map included in the SCM [Figure 3]), detected HVOCs up to 61.0 micrograms per liter ($\mu\text{g/l}$) 1,1-dichloroethene, 9.5 $\mu\text{g/l}$ 1,1-dichloroethane, and 93.1 $\mu\text{g/l}$ 1,1,1-trichloroethane. Each of these concentrations exceeds the December 2013 Environmental Screening Levels (ESLs) for groundwater for these compounds as defined by the San Francisco Regional Water Quality Control Board (RWQCB).

Soil bores SB-1 to SB-8, installed at the former Shell service station immediately west of the subject site (identified as one of the downgradient flow directions), did not detect chlorinated VOCs in soil at that site, and as a result concluded the source of the HVOCs was offsite. A similar investigation has not been conducted at the subject site. It appears appropriate to investigate the potential for the former waste oil UST to be a source for this contamination, and it appears appropriate to redevelop and resample all wells installed to investigate the site vicinity for HVOCs. Please be aware that the lack of detection of HVOCs at wells upgradient of the former waste oil UST as provided in the referenced SCM and Work Plan is not an argument for the lack of a HVOC source at the subject site.

Please present a strategy in the Data Gap Work Plan (described in Technical Comment 6 below) to address the data gaps identified above. Please identify any additional data gaps, such as the need for analysis of other contaminants that are typically associated with waste oil contamination. Alternatively, please provide justification of why the site satisfies this general criterion in the focused SCM described in Technical Comment 6 below.

- 2. General Criteria f – Secondary Source Has Been Removed to the Extent Practicable** – “Secondary source” is defined as petroleum-impacted soil or groundwater located at or immediately beneath the point of release from the primary source. Unless site attributes prevent secondary source removal (e.g. physical or infrastructural constraints exist whose removal or relocation would be technically or economically infeasible), petroleum-release sites are required to undergo secondary source removal to the extent practicable as described in the policy. “To the extent practicable” means implementing a cost-effective corrective action which removes or destroys-in-place the most readily recoverable fraction of source-area mass. It is expected that most secondary mass removal efforts will be completed in one year or less. Following removal or destruction of the secondary source, additional removal or active remedial actions shall not be required by regulatory agencies unless (1) necessary to abate a demonstrated threat to human health or (2) the groundwater plume does not meet the definition of low threat as described in this policy.

Two generations of USTs and associated infrastructure (dispensers, piping, etc.) have been installed at the subject site. Both generations of USTs are reported to have been removed prior to 1978 and the environmental era, and no removal records have been reported or submitted to document actions taken at the time of removal, including the disposal of soil or of the USTs. At present, it cannot be determined that secondary sources have been removed to the extent practicable. It is also not certain that all USTs and associated appurtenances were removed due to the lack of reports.

Soil bores SB-7, SB-8, SB-10, VP-2, VP-3, and VP-4 document soil concentrations equal or greater than 100 milligrams per kilogram TPHg in soil between approximately 0 and 5 feet below grade surface (bgs). Except for VP-2 and VP-4, each bore appears to be installed through, or immediately adjacent to, former UST or dispenser locations. Additionally, soil bores SB-4 and SB-9 document fill material for which no samples were submitted for analysis, and associated soil produced either moderate or the highest

photoionization detector (PID) responses for the bores. Finally, multiple USTs, dispensers, and a fill box were located offsite in the public right-of-way and although they are reported to have been removed no data has been presented to document this. Based on the distribution of onsite contaminant concentrations, offsite structures appear to be one source of onsite contamination.

ACEH recognizes that should secondary sources be present in these areas, they may not be substantial contributors to groundwater contamination onsite at this time; however, residual soil contamination affects other criteria of the LTCP (soil vapor, direct contact and outdoor air exposure). At a minimum it appears appropriate to investigate the magnitude of residual soil contamination at offsite locations in the event that a Site Management Plan is required to handle residual contamination at the site upon closure.

Please present a strategy in the Data Gap Work Plan (described in Technical Comment 6 below) to address the items discussed above.

- 3. LTCP Media Specific Criteria for Groundwater** – To satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites listed in the policy.

Our review of the case files indicates that insufficient data collection and analysis has been presented to support the requisite characteristics of plume stability or plume classification as follows:

- a. Length of Groundwater Plume** – The length of the groundwater plume associated with gasoline contamination appears to be essentially defined; however, the soil and groundwater chemical signature at the site indicates that diesel fuel may also have been dispensed at the facility. A substantial number of historic groundwater and soil analytical results document higher concentrations of total xylenes than total benzene. Because diesel fuel contains substantially more xylenes than benzene by formulation, ACEH requests the inclusion of TPHd analysis of groundwater from all wells for a minimum of one monitoring event. ACEH recognizes that preferential degradation of benzene over xylenes can also produce this result. However, the presence, or lack thereof, of detectable TPHd at the site can affect the determination of the downgradient and lateral extent of a groundwater plume under the LTCP. Additionally, the presence, or lack thereof, of detectable TPHd at the site can also affect the importance of analytical samples for naphthalene in soil and groundwater. The need for additional analysis for TPHd is requested to be evaluated thereafter.
- b. Extent of Soil Contamination** – The lateral extent of soil contamination does not appear to be defined onsite. Soil bores located around the property perimeter (MW-5, SB-22, SB-23, SB-4 (1989), SB-6 (1989), SB-5 (1989), MW-6, SB-3, SB-4, SB-11, SV-6, SB-12, VP-3, SB-13, and etc.) indicate that the extent of soil contamination has not been defined. Each of these soil bores contains TPHg concentrations greater than 100 milligrams per kilogram (mg/kg) in soil in either the 0 to 5 or the 5 to 10 foot zones. This can affect the extent of groundwater contamination at the site and vicinity. ACEH recognizes that contaminant concentrations may have undergone a reduction in soil since collection; however, this also has not been documented.
- c. Preferential Pathways** – The SCM states that a utility preferential pathway was not conducted as existing data indicates that known sources appear to be present only onsite. ACEH disagrees with this assessment as discussed in detail in Technical Comment 2 above. Additionally, relatively shallow groundwater indicates that it is appropriate to conduct a utility survey at the site and local vicinity due to the potential for offsite sources to be present, and due to the potential that the lateral extent of the groundwater plume may be affected by these conduits.
- d. Distance to Existing Water Supply Well** – Up to three water supply wells as close as 100 feet to the site have previously been reported in the immediate vicinity of the site. Although the SCM reports that a well survey was conducted in November 2013; however, a table summarizing, and a figure depicting approximate well locations, was not included. ACEH recognizes that well construction details are confidential; however, a table and figure without these details are appropriate and substantially assist ACEH in determining the suitability of the site to meet this criterion of the LTCP. ACEH requests a tabulation and well location depiction be submitted in the requested work plan addendum below. Please note that all deep constructions (cathodic, extraction industrial, irrigation, recovery,

geotechnical wells, and etc.) within ¼-mile of the site are requested to be included in the summary table and located. All have the potential to act as vertical conduits, and all can be impacted by contamination from the site. Please also be aware that abandoned, non-destroyed, wells may still be vertical conduits. For deep wells proximal to the subject site (especially well P2 and others located within 100 feet of the site), ACEH requests further determination be provided (owner, DWR, ACPWA, etc.) that wells stated or assumed to be abandoned or destroyed are so.

Please present a strategy in the Revised Data Gap Work Plan (described in Technical Comment 6 below) to address the items discussed above.

- 4. LTCP Media Specific Criteria for Vapor Intrusion to Indoor Air** – The LTCP describes conditions, including bioattenuation zones, which if met will assure that exposure to petroleum vapors in indoor air will not pose unacceptable health risks to human occupants of existing or future site buildings, and adjacent parcels. Appendices 1 through 4 of the LTCP criteria illustrate four potential exposure scenarios and describe characteristics and criteria associated with each scenario.

Our review of the case files indicates that the site data collection and analysis fail to support the requisite characteristics of one of the four scenarios. This is also the finding of the SCM, and a work plan was included with the SCM to conduct additional soil vapor sampling at all vapor wells (VP-1 to VP-5). Please see Technical Comment 7 for initial comments relative to this portion of the work plan.

ACEH's review of site data for this criterion, indicates that multiple soil bores document hydrocarbon contamination over 100 mg/kg in the 0 to 5 foot depth (SB-7, SB-8, and SB-10) and the majority of vapor wells (VP-2 to VP-6) document soil oxygen content between 0.84 and 2.9%. While soil samples that were collected at vapor wells VP-2, VP-3, and VP-4 were collected at a depth of 6 feet, the detection of TPHg over 100 mg/kg in these soil samples implies the distribution of shallow hydrocarbon concentrations at the site is more widespread. Based on existing soil vapor data, scenario 4 of the vapor intrusion to indoor air criterion is precluded as benzene concentrations at all soil vapor wells were over the requisite LTCP soil vapor value at a commercial site without a bioattenuation zone of 280 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) benzene. Concentrations ranged up to 540,000 $\mu\text{g}/\text{m}^3$ benzene.

The soil vapor work plan proposed a series of actions with which ACEH is in general agreement with; however, ACEH requests one modification to the approach. Specifically, vapor samples are proposed to be analyzed by TO-15 for naphthalene. Please be aware that Department of Toxic Substance Control (DTSC) documents recommend that TO-17 should be used to confirm TO-15 sampling results (Appendix E, *Active Soil Gas Investigations Advisory*, dated April 30, 2012). In part this appears to be related to lower naphthalene concentrations when Nylaflow tubing is used to sample soil vapor. Therefore ACEH requests that TO-17 be used to confirm naphthalene results by TO-15.

Additionally, please ensure that your strategy is consistent with the field sampling protocols described in the Department of Toxic Substances Control's Final Vapor Intrusion Guidance (October 2011).

- 5. LTCP Media Specific Criteria for Direct Contact and Outdoor Air Criteria** – The LTCP describes conditions where direct contact with contaminated soil or inhalation of contaminants volatilized to outdoor air poses a low threat to human health. According to the policy, release sites where human exposure may occur satisfy the media-specific criteria for direct contact and outdoor air exposure and shall be considered low-threat if the maximum concentrations of petroleum constituents in soil are less than or equal to those listed in Table 1 for the specified depth bgs. Alternatively, the policy allows for a site specific risk assessment that demonstrates that maximum concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health, or controlling exposure through the use of mitigation measures, or institutional or engineering controls.

Our review of the case files indicates that insufficient data collection and analysis has been presented to satisfy the media-specific criteria for direct contact and outdoor air exposure. Specifically, concentrations of benzene and / or ethylbenzene at a depth of 10 feet bgs in soil bores B-10 and B-15 fail the LTCP numeric goals for these contaminants. Concentrations up to 99 mg/kg benzene, and 150 mg/kg ethylbenzene were

detected at these locations. Stantec indicates that the data is older (April 1996), was collected in the groundwater zone, was thus more representative of groundwater concentrations at the time, and may have biodegraded in the interim period of time. Stantec considers more recent analytical data, collected at a shallower depth (6 feet), to be more representative of current concentrations at the site. Conversely, ACEH's review of groundwater analytical concentrations in site wells during the 1996 time period did not find similar groundwater concentrations to these concentrations. Concentrations only up to 2,100 µg/l TPHg, 280 µg/l benzene, and 56 µg/l ethylbenzene were documented in 1996 at vicinity wells. ACEH is in agreement that degradation is likely to have occurred in the intervening years; however, is limited to available analytical data and cannot make assumptions that contamination is below specific LTCP goals for a site.

Therefore, please present a strategy in the Revised Data Gap Work Plan described in Item 6 below to collect sufficient data to satisfy the direct contact and outdoor air exposure criteria at the site in a sufficient number of appropriate areas. Sample and analyze soil in the 0 to 5 and the 5 to 10 foot intervals to characterize the vertical soil profile, at the groundwater interface, lithologic changes, and at areas of obvious impact. The collection of naphthalene analysis is also requested.

- 6. Revised Data Gap Investigation Work Plan and Focused Site Conceptual Model** – Please prepare Revised Data Gap Investigation Work Plan to address the technical comments listed above. Please support the scope of work in the Revised Data Gap Investigation Work Plan with a focused SCM and Data Quality Objectives (DQOs) that relate the data collection to each LTCP criteria. For example please clarify which scenario within each Media-Specific Criteria a sampling strategy is intended to apply to.

In order to expedite review, ACEH requests the focused SCM be presented in a tabular format that highlights the major SCM elements and associated data gaps, which need to be addressed to progress the site to case closure under the LTCP. Please see Attachment A "Site Conceptual Model Requisite Elements". Please sequence activities in the proposed revised data gap investigation scope of work to enable efficient data collection in the fewest mobilizations possible.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the following specified file naming convention and schedule:

- **August 15, 2014** – Work Plan Addendum
File to be named: RO412_WP_ADEND_R_YYYY-mm-dd
- **November 21, 2014** – Semi-Annual Groundwater Monitoring
File to be named: RO412_GWM_R_YYYY-mm-dd
- **60 Days After Work Plan Approval** – Subsurface Investigation
File to be named: RO412_SWI_R_YYYY-mm-dd

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.

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>. Additionally, 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.

Ladies and Gentlemen
RO0000412
May 29, 2014, Page 6

If you have any questions, please call me at 510-567-6876 or send me an email at mark.detterman@acgov.org.

Sincerely,



Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou,
email, c=US
Date: 2014.05.29 14:49:07 -07'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 - Responsible Party(ies) Legal Requirements/Obligations &
ACEH Electronic Report Upload (ftp) Instructions

Attachment A – Site Conceptual Model Requisite Elements

cc: Ms. Alexis Fischer, Chevron Environmental Management Company, 6101 Bollinger Canyon Road, San Ramon, CA 94583; (sent via email to AFischer@chevron.com)

Travis Flora, Stantec Consulting Services, Inc., 15575 Los Gatos Blvd, Los Gatos, CA 95032; (sent via email to travis.flora@stantec.com)

Dilan Roe (sent via email to dilan.roe@acgov.org)

Mark Detterman (sent via email to mark.detterman@acgov.org)
Electronic file, GeoTracker

Flora, Travis

From: Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>
Sent: Friday, November 07, 2014 17:20
To: 'MacLeod, Carryl G'; Coulter, Alexis N; Flora, Travis
Cc: Roe, Dilan, Env. Health
Subject: Chevron 91723 (RO412) LTCP Checklist Update

Follow Up Flag: Follow up
Flag Status: Flagged

All,

As indicated in today's meeting, I reviewed the LCTP checklist on Geotracker after the meeting, and contrary to what I had thought, and based on current data, it cannot be revised yet. In regards to the groundwater media specific criteria, the HVOC investigation downgradient of the former WO UST that was discussed is a limiting factor. In regards to the vapor intrusion media specific criteria, the existing vapor and oxygen data is the limiting factor (the proposed resampling of the vapor wells may change this). In regards to the direct contact and outdoor air criteria, older analytical data at SB-10 and SB-15 is the limiting factor (benzene within 10 ft up to 99 mg/kg, ethylbenzene up to 150 mg/kg, and a lack of naphthalene analysis at these locations; the installation of proposed bores at these locations may change this). The collection of additional data will help resolve many of the open questions (data gaps) a the site. Hope this helps,

*Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6876
Fax: 510.337.9335
Email: mark.detterman@acgov.org*

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

Flora, Travis

From: Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>
Sent: Tuesday, January 13, 2015 10:49
To: MacLeod, Carryl G; Flora, Travis
Cc: 'Coulter, Alexis N'; Roe, Dilan, Env. Health
Subject: Chevron 97123 (RO412) 9757 San Leandro Blvd, Oakland: Revised Work Plan Addendum

Carryl,

I wanted to keep you posted as to actions at this site. I am following up on our meeting of November 7th and the revised work plan addendum discussed in the meeting. I've discovered the submittal date was not tied down well; consequently in order to move the project forward, I just spoke with Travis and we agreed to a February 20, 2015 submittal date. I will modify Geotracker to reflect this.

Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6876
Fax: 510.337.9335
Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director



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

April 14, 2015

Ms. Carryl MacLeod
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
(sent via email to CMacleod@chevron.com)

9401 San Leandro LP
104 Caledonia Street
Sausalito, CA 94965

Linda Hothem Trust
c/o Mr. Jan Greban
Greban & Associates
1332 Anacapa Street
Suite 110
Santa Barbara, CA 93101
(sent via email to
Jan@grebanlaw.com)

Mr. Francis Meynard
Pacific American Group
104 Caledonia Street
Sausalito, CA 94965
(sent via email to
FMeynard@pacamgroup.com)

Ms. Gene Kida
Gerber Products
12 Vreeland Road
Fiorham Park, NJ 07932

Subject: Conditional Approval of Work Plan / Addendums; Fuel Leak Case No. RO0000412 and Geotracker Global ID T0600101789, Chevron #9-1723; 9757 San Leandro Street, Oakland, CA 94603

Dear Ladies and Gentlemen:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Site Conceptual Model and Data Gap Work Plan*, dated March 31, 2014, the *Response to Technical Comments and Data Gap Work Plan Addendum*, dated August 15, 2014, and the *Revised Data Gap Work Plan Addendum*, dated February 20, 2015. The documents were prepared and submitted on your behalf to ACEH and Geotracker by Stantec Consulting Services, Inc (Stantec). The March 2014 work plan recommended determining the status of four unmonitored offsite wells (MW-1, MW-4, MW-7, and MW-10), and resampling of vapor at five existing onsite soil vapor wells. ACEH was in general agreement but, requested a work plan addendum (May 29, 2014 letter) in an attempt to gather sufficient data in order to determine the site's status within the Low-Threat Closure Policy (LTCP). The work plan addendum additionally recommended the installation of three shallow soil bores at selected locations onsite. Based on ACEH's review of the case file, the work plan and the addendum, ACEH requested a meeting in order to discuss the site in additional detail. A meeting was held on November 7, 2014, and based on agreements reached in the meeting, the February 2015 revised work plan addendum was submitted.

ACEH has previously evaluated the data and recommendations presented in the above-mentioned reports, in conjunction with the case files, to determine if the site is eligible for closure as a low risk site under the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP). Based on ACEH staff review, we determined that the site failed to meet the LTCP General Criteria b (Petroleum Release Only), f (Secondary Source Removal), and the Media-Specific Criteria for Groundwater, the Media-Specific Criteria for Vapor Intrusion to Indoor Air, and the Media-Specific Criteria for Direct Contact. Responses contained in the referenced document suggest that General Criteria f may be met and consequently the LTCP checklist has been revised.

Based on ACEH staff review of the referenced documents the resulting proposed scope of work is conditionally approved for implementation *provided that the technical comments below are incorporated* during the proposed field investigation. Submittal of a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports

described below. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. Work Plan Clarifications – The referenced work plan and addendums propose a series of actions with which ACEH is in general agreement of undertaking. This includes determining the status and condition of the four unmonitored offsite wells (MW-1, MW-4, MW-7, and MW-10), the collection of soil vapor samples at the five existing vapor wells, the installation of soil bores B-24 (at a revised location) through B-34; however, ACEH requests several modifications to the approach as detailed below. Please submit a report by the date specified below.

a. Soil Vapor Analytical Suite – In addition to fixed gases, the March 2014 Data Gap Work Plan proposed vapor analysis for Total Petroleum Hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and naphthalene by EPA Method TO-15. In order to remain consistent with existing Department of Toxic Substance Control (DTSC) guidance for Nylaflow tubing, ACEH additionally requests that naphthalene be analyzed for by TO-17. This is expected to provide multiple lines of evidence for concentrations of naphthalene, and to gather the data quickly in one mobilization.

b. Soil Bore Analytical Suite - Analytical testing proposed for the soil bores includes BTEX and naphthalene. In order to collect data to address LTCP analysis requirements, ACEH additionally requests that all soil samples submitted for analysis also include analysis for TPHg, and include a fuel fingerprint analysis in order to determine the hydrocarbon range that may affect soil beneath the site. In order to review a site within the LTCP criteria requires the collection of soil samples in the 0 to 5 and the 5 to 10 foot intervals for TPH among other analytes. This request will provide an additional line of evidence in regards to the extent of the degradation of TPH beneath the site that has been advanced for the site.

Due to the proximity of the former waste oil UST location to SB-24, please additionally analyze all soil samples from bore SB-24 for TPH as diesel, TPH as motor oil, and Poly-Aromatic Hydrocarbons (PAHs) as these are standard compliance sample analytes and are necessary for evaluation of the site under the LTCP. Alternatively for TPH analysis, the fuel fingerprint analysis may be sufficient provided it includes motor oil-ranged hydrocarbons.

c. Soil Sample Selection Protocols – The referenced work plan proposes to collect and retain soil samples for laboratory analysis from soil bores at predetermined depth intervals (e.g. 2.5, 5, 7.5, and 10 feet). While ACEH is in general agreement with multiple proposed sampling depths, requests the collection of multiple soil samples at signs of contamination (photoionization [PID] detections, discoloration, odor, etc), within the LTCP required intervals of 0 to 5 and 5 to 10 feet below grade surface (bgs). With the LTCP in mind, please ensure multiple soil samples are collected, as proposed, within the 0 to 5 and 5 to 10 foot intervals prescribed by the LTCP.

d. Grab Groundwater Collection – The referenced work plans did not propose to collect grab groundwater samples for analysis. ACEH requests that grab groundwater samples be collected from each soil bore in order to characterize groundwater beneath the central areas of site due to the limited knowledge of groundwater concentrations in this area of the site, which are noted to be away from existing wells locations essentially clustered around the site perimeter. This request will also gather data at the downgradient perimeter of the site prior to offsite migration of the groundwater.

e. Grab Groundwater Analytical Suite – Except at soil bore SB-24 as discussed in the next comment, ACEH requests that all grab groundwater samples be analyzed for TPHg, a fuel fingerprint, BTEX, MTBE, and naphthalene.

f. Grab Groundwater Sampling From Bore SB-24 – The February 2015 revised addendum proposes to collect a grab groundwater sample from soil bore SB-24, provided sufficient groundwater is present after extending the soil bore 2 feet into the anticipated groundwater-bearing zone, and after purging three volumes of groundwater from the temporary well proposed to be constructed in the soil bore.

Ladies and Gentlemen
RO000412
April 14, 2015, Page 3

Rather than potentially fail to collect a grab groundwater sample with the proposed sampling scenario, ACEH requests that the soil bore be extended sufficiently into the groundwater-bearing zone to collect an adequate sample volume of groundwater. Additionally, because Halogenated Volatile Organic Compounds (HVOCs) have been detected downgradient of the former waste oil UST and have therefore been identified as a Chemical of Concern (COC) at the site, and are known to preferentially migrate vertically through groundwater, additional depth for the sampling effort appears appropriate.

Finally, the work plan proposes to purge three casing volumes of groundwater from the temporary well in an effort to decrease the sediment load in the grab sample. However, bailer purging, as proposed, has a high likelihood of stripping groundwater of volatile compounds, including HVOCs from the sample. Therefore, in an effort to obtain low suspended solid loads in all grab groundwater samples, ACEH requests alternative sampling methods be used, such as low flow sampling techniques.

2. **Groundwater Monitoring** – Please continue to conduct semi-annual groundwater monitoring at the site, and include analysis for HVOCs as discussed in the February 2015 revised addendum work plan. Please submit semi-annual reports by the dates identified below.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the following specified file naming convention and schedule:

- **May 22, 2015** – Semi-Annual Groundwater Monitoring
File to be named: RO412_GWM_R_yyyy-mm-dd
- **July 17, 2015** – Site Investigation
File to be named: RO412_SWI_R_yyyy-mm-dd
- **November 20, 2015** – Semi-Annual Groundwater Monitoring
File to be named: RO412_GWM_R_yyyy-mm-dd

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.

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>. Additionally, 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.

If you have any questions, please call me at 510-567-6876 or send me an email at mark.detterman@acgov.org.

Sincerely,



Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou,
email, c=US
Date: 2015.04.14 16:07:51 -07'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 - Responsible Party(ies) Legal Requirements/Obligations &
ACEH Electronic Report Upload (ftp) Instructions

cc: Travis Flora, Stantec Consulting Services, Inc., 15575 Los Gatos Blvd, Los Gatos, CA 95032; (sent via email to travis.flora@stantec.com)
Peter Krasnoff, West Environmental Services & Technology, Inc, 711 Grand Avenue, Suite 220, San Rafael, CA 94901; (sent via email to peterk@westenvironmental.com)
Dilan Roe (sent via email to dilan.roe@acgov.org)
Mark Detterman (sent via email to mark.detterman@acgov.org)
Electronic file, GeoTracker



July 6, 2015

Attention: Mr. Mark Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway, Alameda, CA 94502

Reference: Request for Extension
Former Chevron 91723, 9757 San Leandro Street, Oakland, CA

Dear Mr. Detterman,

On behalf of Chevron Environmental Management Company (Chevron), Stantec Consulting Services Inc. (Stantec) respectfully requests an extension for the site investigation report requested by Alameda County Environmental Health (ACEH) in email correspondence dated April 14, 2015, for former Chevron-branded service station 91723, which was located at 9757 San Leandro Street, Oakland, Alameda County, California (the Site). The current report deadline is July 17, 2015. Based on driller availability, the field work is scheduled to begin the week of July 27, 2015. To allow for sufficient time to complete the field work, receive analytical data, and prepare the report, Stantec respectfully requests an extension to submit the report by October 16, 2015. Stantec and Chevron would also like to meet with ACEH to discuss the site data prior to submittal of the final report. Stantec will contact the ACEH to arrange a September meeting.

Regards,

Stantec Consulting Services Inc.

A handwritten signature in blue ink, appearing to read "Travis L. Flora", is written over a faint, circular blue stamp or watermark.

Travis L. Flora
Associate Project Manager
Phone: (408) 827-3876
Travis.Flora@stantec.com

c. Ms. Carryl MacLeod, Chevron Environmental Management Company – Electronic Copy

Linda Hothem Trust c/o Mr. Jan Greben, Greben & Associates, 1332 Anacapa Street, Suite 110,
Santa Barbara, CA 93101

Ms. Jean Kida, Gerber Products, 12 Vreeland Road, Florham Park, NJ 07932

Francis Meynard, Pacific American Group, 104 Caledonia Street, Sausalito, CA 94965 –
Electronic Copy

Shyamal Roy and Byron Low, Matson Global Distribution Services, 9401 San Leandro Street,
Oakland, CA 94603 – Electronic Copy

Flora, Travis

From: Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>
Sent: Tuesday, July 07, 2015 11:43
To: Flora, Travis
Cc: MacLeod, Carryl G
Subject: RE: RO412 (Chevron 91723) Oakland, CA

Follow Up Flag: Follow up
Flag Status: Flagged

This message has been archived.

Travis and Carryl,

Please use this email to document ACEH concurrence with the requested extension and date. I've updated Geotracker.

Mark Detterman

Senior Hazardous Materials Specialist, PG, CEG

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502

Direct: 510.567.6876

Fax: 510.337.9335

Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

From: Flora, Travis [mailto:Travis.Flora@stantec.com]
Sent: Monday, July 06, 2015 5:14 PM
To: Detterman, Mark, Env. Health
Cc: dehloptoxic, Env. Health; MacLeod, Carryl G

Subject: RO412 (Chevron 91723) Oakland, CA

Hi Mark,

The attached extension request for RO412 (Chevron 91723) Oakland, CA was uploaded to GeoTracker and the ACEH FTP site.

Thanks,

Travis L. Flora

Associate Project Manager

Stantec

15575 Los Gatos Boulevard Building C Los Gatos CA 95032-2569

Appendix B

Borehole Logs

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-24

DRILLING / INSTALLATION:
 STARTED **7/29/15** COMPLETED: **7/29/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **18**
 STATIC DTW (ft): **11.3**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P1D (ppmv)	Depth (feet)
			CONCRETE						
			FILL						
		CH	CLAY ; CH; 10 YR 2/1 black; high plasticity; hard; dry		1400 SB-24@2.5			1.0	
5					1410 SB-24@5			4.0	5
		CL	SILTY CLAY ; CL; GLEY1 10Y 3/1 very dark greenish gray; low plasticity; firm; dry		1420 SB-24@7.5			7.0	
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry; Mottled		1430 SB-24@10			30.0	10
10					1435 SB-24@12.5			83.0	
15					1440 SB-24@15			2.0	15
		CL	SILTY CLAY ; CL; 2.5Y 4/4 olive brown; low plasticity; soft; moist		1445 SB-24@20			1.0	20
20			Borehole terminated at 20 feet.						

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-25

DRILLING / INSTALLATION:
 STARTED **7/29/15** COMPLETED: **7/29/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **14**
 STATIC DTW (ft): **10.5**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (ppmv)	Depth (feet)
			CONCRETE						
			FILL						
		CL	GRAVELLY CLAY WITH SAND ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; dense; wet; Fine to coarse sand and gravel.		1245 SB-25@2.5			0.8	
5		CH	CLAY ; CH; GLEY1 2.5/N black; high plasticity; hard; dry		1300 SB-25@5			5.7	5
		CL	SILTY CLAY ; CL; GLEY1 10Y 3/1 very dark greenish gray; low plasticity; firm; dry		1310 SB-25@7.5			15.0	
10		CH	CLAY ; CH; GLEY1 10Y 3/1 very dark greenish gray; high plasticity; hard; dry; Mottled.		1315 SB-25@10			350.0	10
		CH	CLAY ; CH; GLEY1 10Y 3/1 very dark greenish gray; high plasticity; hard; dry; Mottled.		1320 SB-25@12.5			560.0	
15		SC	GRAVELLY SAND WITH CLAY ; SC; GLEY1 2.5/N black; loose; wet; Fine to coarse sand. Fine gravel.		1325 SB-25@15			10.0	15
		CH	CLAY ; CH; GLEY1 10Y 3/1 very dark greenish gray; high plasticity; hard; dry; Mottled.		1330 SB-25@20			1.5	20
20			Borehole terminated at 20 feet.						

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-26

DRILLING / INSTALLATION:
 STARTED **7/30/15** COMPLETED: **7/30/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **14**
 STATIC DTW (ft): **10.5**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENV/PRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppmv)	Depth (feet)
			ASPHALT						
			FILL						
		CH	CLAY ; CH; GLEY1 2.5/N black; high plasticity; hard; dry						
5					0900 SB-26@2.5			100.0	
					0905 SB-26@5			283.0	5
		CL	SANDY CLAY ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; firm; dry; Poorly graded fine sand.		0915 SB-26@7.5			404.0	
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry; Mottled.		0925 SB-26@10			103.0	10
10					0930 SB-26@12.5			111.0	
		CL	GRAVELLY CLAY WITH SAND ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; soft; wet; Fine to coarse sand. Fine gravel.		0935 SB-26@15			17.3	15
15					0950 SB-26@20			1.3	20
20			Borehole terminated at 20 feet.						

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-27

DRILLING / INSTALLATION:
 STARTED **7/29/15** COMPLETED: **7/29/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **14.5**
 STATIC DTW (ft): **10.5**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P1D (ppmv)	Depth (feet)
			CONCRETE						
			FILL						
		CH	CLAY ; CH; GLEY1 2.5/N black; high plasticity; hard; dry		1040 SB-27@2.5			1.7	
5		CL	SILTY CLAY SOME SAND ; CL; GLEY1 2.5/N black; low plasticity; firm; dry; Mottled. Poorly graded fine sand.		1050 SB-27@5			4.6	5
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry; Mottled.		1105 SB-27@7.5			20.0	
10		SC	GRAVELLY SAND WITH CLAY ; SC; GLEY1 2.5/1 greenish black; dense; wet		1115 SB-27@10			320.0	10
		CL	CLAY WITH SAND ; CL; GLEY1 2.5/N black; low plasticity; soft; moist; Fine to coarse sand.		1120 SB-27@12.5			370.0	
15		CH	CLAY ; CH; GLEY1 10Y 3/1 very dark greenish gray; high plasticity; hard; moist		1128 SB-27@15			5.8	15
20		CH	CLAY ; CH; GLEY1 10Y 3/1 very dark greenish gray; high plasticity; hard; moist		1130 SB-27@20			1.4	20
			Borehole terminated at 20 feet.						

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-28

DRILLING / INSTALLATION:
 STARTED **7/28/15** COMPLETED: **7/28/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **17.5**
 STATIC DTW (ft): **8.3**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENV/PRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (ppmv)	Depth (feet)
			ASPHALT						
			FILL						
		CH	CLAY ; CH; 10YR 2/1 black; high plasticity; hard; dry		1100 SB-28@2.5			0.0	
5					1110 SB-28@5			1.0	5
		CL	SANDY CLAY ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; firm; dry; Poorly graded fine sand.		1120 SB-28@7.5			0.1	
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry; Mottled.		1130 SB-28@10			5.8	10
10					1135 SB-28@12.5			7.4	
		CL	SILTY CLAY ; CL; 2.5Y 4/4 olive brown; low plasticity; soft; moist		1140 SB-28@15			0.2	15
15					1145 SB-28@20			0.4	
20			Borehole terminated at 20 feet.						20

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-29

DRILLING / INSTALLATION:
 STARTED **7/28/15** COMPLETED: **7/28/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **18**
 STATIC DTW (ft): **10.0**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENV/PRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (ppmv)	Depth (feet)
			ASPHALT						
		CH	CLAY ; CH; 10YR 2/1 black; high plasticity; hard; dry		0915 SB-29@2.5			0.1	
5		CL	SANDY CLAY ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; firm; dry; Poorly graded fine sand.		0925 SB-29@5			0.0	5
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry; Mottled		0945 SB-29@7.5			0.1	
10					0955 SB-29@10			21.9	10
					1000 SB-29@12.5			5.4	
15					1005 SB-29@15			0.1	15
		CL	SILTY CLAY ; CL; 2.5Y 4/2 dark grayish brown; low plasticity; soft; moist						
20			Borehole terminated at 20 feet.		1010 SB-29@20			0.0	20

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-30

DRILLING / INSTALLATION:
 STARTED **7/27/15** COMPLETED: **7/27/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **18**
 STATIC DTW (ft): **9.8**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**
 EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENV/PRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (ppmv)	Depth (feet)
			ASPHALT						
			FILL						
		CH	CLAY ; CH; 10YR 3/1 very dark gray; high plasticity; hard; dry						
5			10YR 2/1 black		1400 SB-30@2.5			0.1	
		CL	SANDY CLAY ; CL; 10YR 3/2 very dark grayish brown; low plasticity; soft; dry; Poorly graded fine sand.						
		CH	CLAY ; CH; 10YR 2/1 black; low plasticity; soft; dry; Mottled.						
10			GLEY1 10Y 2.5/1 greenish black; hard; Mottled.		1425 SB-30@7.5			22.2	
					1430 SB-30@10			261.0	10
					1435 SB-30@12.5			0.3	
15					1440 SB-30@15			0.2	15
		CL	SILTY CLAY ; CL; 2.5Y 4/2 dark grayish brown; low plasticity; soft; moist						
20			Borehole terminated at 20 feet.		1445 SB-30@20			0.0	20

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-31

DRILLING / INSTALLATION:
 STARTED **7/27/15** COMPLETED: **7/27/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **18**
 STATIC DTW (ft): **9.1**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENV/PRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P1D (ppmv)	Depth (feet)
			CONCRETE						
		CH	CLAY ; CH; 10YR 3/1 very dark gray; high plasticity; hard; dry 10YR 2/1 black		1040 SB-31@2.5			0.0	
5		CH			1050 SB-31@5			0.0	5
		CL	SANDY CLAY ; CL; 10YR 3/2 very dark grayish brown; low plasticity; soft; dry; Poorly graded fine sand.		1105 SB-31@7.5			0.0	
		CH	CLAY ; CH; 10YR 2/1 black; high plasticity; hard; dry; Mottled. GLEY1 10Y 2.5/1 greenish black; hard; Mottled.		1135 SB-31@10			166.0	10
10		CH			1140 SB-31@12.5			0.2	
15		CH			1145 SB-31@15			2.2	15
		CL	SILTY CLAY ; CL; 2.5Y 4/2 dark grayish brown; low plasticity; soft; moist		1300 SB-31@20			0.0	
20			Borehole terminated at 20 feet.						20

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-32

DRILLING / INSTALLATION:
 STARTED **7/28/15** COMPLETED: **7/28/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **19**
 STATIC DTW (ft): **10**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENV/PRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (ppmv)	Depth (feet)
			ASPHALT						
			FILL						
		CH	CLAY ; CH; 10YR 2/1 black; high plasticity; hard; dry						
5					1300 SB-32@2.5			0.0	
					1310 SB-32@5			0.0	5
		CL	SANDY CLAY ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; firm; dry; Poorly graded fine sand.						
					1325 SB-32@7.5			11.0	
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry; Mottled.						
10					1340 SB-32@10			12.9	10
		CL	CLAY WITH GRAVEL ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; hard; dry; Fine to medium gravel.						
					1345 SB-32@12.5			14.2	
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry						
15					1350 SB-32@15			40.7	15
		CL	SILTY CLAY ; CL; 2.5Y 4/4 olive brown; low plasticity; soft; moist						
20			Borehole terminated at 20 feet.		1355 SB-32@20			0.3	20

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:

SB-33



DRILLING / INSTALLATION:
 STARTED **7/28/15** COMPLETED: **7/28/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **19**
 STATIC DTW (ft): **10**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (ppmv)	Depth (feet)
			ASPHALT						
			FILL						
		CH	CLAY ; CH; 10YR 2/1 black; high plasticity; hard; dry						
5					1435 SB-33@2.5			1.5	
					1445 SB-33@5			0.4	5
		CL	SANDY CLAY ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; firm; dry; Poorly graded fine sand.		1500 SB-33@7.5			20.4	
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry; Mottled.		1510 SB-33@10			38.3	10
10					1515 SB-33@12.5			3.1	
					1525 SB-33@15			0.6	15
15									
		CL	SILTY CLAY ; CL; 2.5Y 4/4 olive brown; low plasticity; soft; moist		1530 SB-33@20			0.3	20
20			Borehole terminated at 20 feet.						

PROJECT: **Chevron 91723**
 LOCATION: **Oakland, CA**
 PROJECT NUMBER: **211602332**

WELL / PROBEHOLE / BOREHOLE NO:



SB-34

DRILLING / INSTALLATION:
 STARTED **7/30/15** COMPLETED: **7/30/15**
 DRILLING COMPANY: **National EWP**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Hand Auger/Continuous Core**
 SAMPLING EQUIPMENT: **6" Sleeve**

NORTHING (ft):
 LAT:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **13.5**
 STATIC DTW (ft): **10.6**
 WELL CASING DIA. (in): ---
 LOGGED BY: **D. Owens**

EASTING (ft):
 LONG:
 TOC ELEV (ft):
 WELL DEPTH (ft): **20.0**
 BOREHOLE DEPTH (ft): **20.0**
 BOREHOLE DIA. (in): **3.25**
 CHECKED BY: **GPM**

GEO FORM 304 91723_GINTPROJECT_07302015.GPJ STANTEC ENV/PRO TEMPLATE 010509.GDT 8/12/15

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace P/D (ppmv)	Depth (feet)
			ASPHALT						
			FILL						
		CH	CLAY ; CH; GLEY1 2.5/N black; high plasticity; hard; dry						
5					1045 SB-34@2.5			1.1	
					1055 SB-34@5			1.0	5
		CL	SANDY CLAY ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; firm; dry; Poorly graded fine sand.		1105 SB-34@7.5			0.3	
10		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; dry; Mottled.		1120 SB-34@10			22.3	10
					1125 SB-34@12.5			20.5	
15		CL	GRAVELLY CLAY WITH SAND ; CL; GLEY1 10Y 2.5/1 greenish black; low plasticity; soft; wet; Fine to coarse sand. Fine gravel.		1130 SB-34@15			0.8	15
		CH	CLAY ; CH; GLEY1 10Y 2.5/1 greenish black; high plasticity; hard; moist; Mottled.						
20		CL	CLAY WITH SILT ; CL; 2.5Y 4/4 olive brown; medium plasticity; firm; moist		1135 SB-34@20			0.0	20
			Borehole terminated at 20 feet.						

Appendix C

Alameda County Public Works Agency Permits

Alameda County Public Works Agency - Water Resources Well Permit



Public Works Agency
—Alameda County—

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 07/08/2015 By jamesy

Permit Numbers: W2015-0590
Permits Valid from 07/27/2015 to 07/31/2015

Application Id: 1435185778198
Site Location: 9757 San Leandro Street, Oakland, CA
Project Start Date: 07/27/2015
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site:Oakland

Completion Date:07/31/2015

Applicant: Stantec Consulting Services Inc. - Belinda Espino Phone: 408-827-3529

Property Owner: Linda Hothem
15575 Los Gatos Blvd, Bldg C, Los Gatos, CA 95032

Phone: --

Client: Carryl MacLeod
104 Caledonia Street, Sausalito, CA 94965

Phone: --

Contact: Belinda Espino
6101 Bollinger Canyon Road, San Ramon, CA 94583

Phone: 408-827-3529
Cell: 408-596-0640

Receipt Number: WR2015-0331 Total Due: \$265.00
Payer Name : Belinda Espino Total Amount Paid: \$265.00
Paid By: VISA PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 11 Boreholes
Driller: National Exploration Wells Pumps - Lic #: 953646 - Method: Hand

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2015-0590	07/08/2015	10/25/2015	11	3.25 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

Alameda County Public Works Agency - Water Resources Well Permit

6. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Appendix D

Certified Laboratory Analysis Reports and
Chain-of-Custody Documents

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

August 19, 2015

Project: 91723

Submittal Date: 07/31/2015
Group Number: 1581291
PO Number: 0015167993
Release Number: MACLEOD
State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
SB-26-GW-W-150730 Grab Groundwater	7988581
SB-34-GW-W-150730 Grab Groundwater	7988582
SB-27-GW-W-150729 Groundwater	7988583
SB-25-GW-W-150729 Groundwater	7988584
SB-24-GW-W-150730 Groundwater	7988585

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC COPY TO	Stantec	Attn: Erin O'Malley
ELECTRONIC COPY TO	Stantec	Attn: Travis Flora
ELECTRONIC COPY TO	Stantec	Attn: Marisa Kaffenberger
ELECTRONIC COPY TO	Stantec	Attn: Laura Viesselman

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261

Sample Description: SB-26-GW-W-150730 Grab Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988581
LL Group # 1581291
Account # 10869

Project Name: 91723

Collected: 07/30/2015 10:30 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/19/2015 19:59

San Ramon CA 94583

SB26G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10945	Benzene	71-43-2	25	0.5	1
10945	C6-C12-TPH-GRO	n.a.	1,400	22	1
10945	Ethylbenzene	100-41-4	22	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	10	1	1
10945	Toluene	108-88-3	2	0.5	1
10945	Xylene (Total)	1330-20-7	7	0.5	1

GC Petroleum SW-846 8015B			ug/l	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	1,800	47	1
13257	Total TPH w/Si Gel	n.a.	1,800	47	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	420	50	1

The reverse surrogate, capric acid, is present at <1%.

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:

The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 19:37	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 19:37	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152170013A	08/12/2015 06:07	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 22:01	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	3	152170013A	08/05/2015 20:30	David V Hershey Jr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: SB-34-GW-W-150730 Grab Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988582
LL Group # 1581291
Account # 10869

Project Name: 91723

Collected: 07/30/2015 12:00 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/19/2015 19:59

San Ramon CA 94583

SB34G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10945	Benzene	71-43-2	3	0.5	1
10945	C6-C12-TPH-GRO	n.a.	1,100	22	1
10945	Ethylbenzene	100-41-4	42	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	8	1	1
10945	Toluene	108-88-3	1	0.5	1
10945	Xylene (Total)	1330-20-7	6	0.5	1

GC Petroleum SW-846 8015B			ug/l	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	73	47	1
13257	Total TPH w/Si Gel	n.a.	73	47	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	150	50	1

The reverse surrogate, capric acid, is present at <1%.

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:

The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 19:59	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 19:59	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152170013A	08/12/2015 06:29	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 22:23	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	3	152170013A	08/05/2015 20:30	David V Hershey Jr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: SB-27-GW-W-150729 Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988583
LL Group # 1581291
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:50 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/19/2015 19:59

San Ramon CA 94583

SB27G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/l	
10945	Benzene	71-43-2	30	0.5	1
10945	C6-C12-TPH-GRO	n.a.	4,400	22	1
10945	Ethylbenzene	100-41-4	11	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	0.9	0.5	1
10945	Naphthalene	91-20-3	4	1	1
10945	Toluene	108-88-3	5	0.5	1
10945	Xylene (Total)	1330-20-7	10	0.5	1

GC Petroleum			SW-846 8015B	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	710	47	1
13257	Total TPH w/Si Gel	n.a.	710	47	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	750	50	1

The reverse surrogate, capric acid, is present at <1%.

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:

The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 20:20	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 20:20	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152170013A	08/12/2015 06:50	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 22:44	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	3	152170013A	08/05/2015 20:30	David V Hershey Jr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: SB-25-GW-W-150729 Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988584
LL Group # 1581291
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:25 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/19/2015 19:59

San Ramon CA 94583

SB25G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/l	
10945	Benzene	71-43-2	430	3	5
10945	C6-C12-TPH-GRO	n.a.	14,000	110	5
10945	Ethylbenzene	100-41-4	350	3	5
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3	5
10945	Naphthalene	91-20-3	110	5	5
10945	Toluene	108-88-3	36	3	5
10945	Xylene (Total)	1330-20-7	980	3	5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	ug/l	
13257	C18-C40 w/Si Gel	n.a.	410	47	1
13257	Total TPH w/Si Gel	n.a.	410	47	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,100	50	1

The reverse surrogate, capric acid, is present at <1%.

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:

The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 22:10	Brett W Kenyon	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 22:10	Brett W Kenyon	5
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152170013A	08/12/2015 07:12	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 23:06	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	152170013A	08/05/2015 20:30	David V Hershey Jr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: **SB-24-GW-W-150730 Groundwater**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **WW 7988585**
 LL Group # **1581291**
 Account # **10869**

Project Name: **91723**

Collected: 07/30/2015 08:45 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/19/2015 19:59

San Ramon CA 94583

SB24G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromodichloromethane	75-27-4	N.D.	0.5	1
10335	Bromoform	75-25-2	N.D.	0.5	1
10335	Bromomethane	74-83-9	N.D.	0.5	1
10335	C6-C12-TPH-GRO	n.a.	300	22	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.5	1
10335	Chlorobenzene	108-90-7	N.D.	0.5	1
10335	Chloroethane	75-00-3	N.D.	0.5	1
10335	Chloroform	67-66-3	N.D.	0.5	1
10335	Chloromethane	74-87-3	N.D.	0.5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.5	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.5	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.5	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.5	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1
10335	Ethylbenzene	100-41-4	12	0.5	1
10335	Freon 113	76-13-1	N.D.	2	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	2	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1
10335	Tetrachloroethene	127-18-4	N.D.	0.5	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1
10335	Trichloroethene	79-01-6	N.D.	0.5	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.5	1
10335	Vinyl Chloride	75-01-4	N.D.	0.5	1
10335	m+p-Xylene	179601-23-1	0.8	0.5	1
10335	o-Xylene	95-47-6	N.D.	0.5	1

GC Petroleum SW-846 8015B			ug/l	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	92	48	1
13257	Total TPH w/Si Gel	n.a.	92	48	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	78	50	1

The reverse surrogate, capric acid, is present at <1%.

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:

The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the

Sample Description: SB-24-GW-W-150730 Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988585
LL Group # 1581291
Account # 10869

Project Name: 91723

Collected: 07/30/2015 08:45 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/19/2015 19:59 San Ramon CA 94583

SB24G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
	first trial. Similar results were obtained in both trials. Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.				

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by	SW-846 8260B	1	W152242AA	08/12/2015 22:23	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W152242AA	08/12/2015 22:23	Christopher G Torres	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152170013A	08/12/2015 07:34	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 23:27	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	152170013A	08/05/2015 20:30	David V Hershey Jr	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/19/2015 19:59

Group Number: 1581291

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: F152162AA	Sample number(s): 7988581-7988584							
Benzene	N.D.	0.5	ug/l	94	95	78-120	2	30
C6-C12-TPH-GRO	N.D.	22.	ug/l	89	89	80-152	0	30
Ethylbenzene	N.D.	0.5	ug/l	96	96	80-120	0	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97	96	75-120	1	30
Naphthalene	N.D.	1.	ug/l	94	94	59-120	1	30
Toluene	N.D.	0.5	ug/l	97	97	80-120	0	30
Xylene (Total)	N.D.	0.5	ug/l	98	97	80-120	0	30
Batch number: W152242AA	Sample number(s): 7988585							
Benzene	N.D.	0.5	ug/l	108	105	78-120	2	30
Bromodichloromethane	N.D.	0.5	ug/l	98	95	73-120	3	30
Bromoform	N.D.	0.5	ug/l	94	94	52-123	1	30
Bromomethane	N.D.	0.5	ug/l	90	88	53-130	2	30
C6-C12-TPH-GRO	N.D.	22.	ug/l	95	97	80-152	3	30
Carbon Tetrachloride	N.D.	0.5	ug/l	104	101	74-130	3	30
Chlorobenzene	N.D.	0.5	ug/l	107	104	80-120	3	30
Chloroethane	N.D.	0.5	ug/l	97	92	56-120	5	30
Chloroform	N.D.	0.5	ug/l	105	103	80-120	2	30
Chloromethane	N.D.	0.5	ug/l	96	92	63-120	5	30
Dibromochloromethane	N.D.	0.5	ug/l	97	96	72-120	1	30
1,2-Dichlorobenzene	N.D.	1.	ug/l	102	102	80-120	0	30
1,3-Dichlorobenzene	N.D.	1.	ug/l	101	101	80-120	0	30
1,4-Dichlorobenzene	N.D.	1.	ug/l	102	102	80-120	0	30
1,1-Dichloroethane	N.D.	0.5	ug/l	108	104	80-120	4	30
1,2-Dichloroethane	N.D.	0.5	ug/l	105	100	72-127	5	30
1,1-Dichloroethene	N.D.	0.5	ug/l	104	100	76-124	4	30
cis-1,2-Dichloroethene	N.D.	0.5	ug/l	102	99	80-120	3	30
trans-1,2-Dichloroethene	N.D.	0.5	ug/l	109	104	80-120	5	30
1,2-Dichloropropane	N.D.	0.5	ug/l	108	108	80-120	0	30
cis-1,3-Dichloropropene	N.D.	0.5	ug/l	94	89	80-120	6	30
trans-1,3-Dichloropropene	N.D.	0.5	ug/l	92	90	76-120	2	30
Ethylbenzene	N.D.	0.5	ug/l	108	105	80-120	3	30
Freon 113	N.D.	2.	ug/l	106	100	67-127	6	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	102	97	75-120	4	30
Methylene Chloride	N.D.	2.	ug/l	105	99	80-120	6	30
Naphthalene	N.D.	1.	ug/l	86	88	59-120	2	30
1,1,2,2-Tetrachloroethane	N.D.	0.5	ug/l	95	96	70-120	1	30
Tetrachloroethene	N.D.	0.5	ug/l	112	111	80-120	1	30
Toluene	N.D.	0.5	ug/l	107	105	80-120	2	30
1,1,1-Trichloroethane	N.D.	0.5	ug/l	98	94	66-126	4	30
1,1,2-Trichloroethane	N.D.	0.5	ug/l	100	99	80-120	1	30
Trichloroethene	N.D.	0.5	ug/l	106	104	80-120	1	30
Trichlorofluoromethane	N.D.	0.5	ug/l	101	94	58-135	6	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/19/2015 19:59

Group Number: 1581291

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Vinyl Chloride	N.D.	0.5	ug/l	95	92	69-120	4	30
m+p-Xylene	N.D.	0.5	ug/l	106	104	80-120	2	30
o-Xylene	N.D.	0.5	ug/l	100	98	80-120	1	30
Batch number: 152130010A	Sample number(s): 7988581-7988585							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	50.	ug/l	75	71	40-105	5	20
Batch number: 152170013A	Sample number(s): 7988581-7988585							
C18-C40 w/Si Gel	N.D.	50.	ug/l					
Total TPH w/Si Gel	N.D.	50.	ug/l	47*	60	52-120	23*	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/MTBE/Naph + GRO - Water
Batch number: F152162AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988581	99	97	101	100
7988582	97	100	102	101
7988583	97	100	102	101
7988584	96	97	102	100
Blank	99	99	102	99
LCS	98	102	101	99
LCSD	98	103	102	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: W152242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988585	99	102	99	92
Blank	100	101	97	88
LCS	98	95	100	96
LCSD	97	93	100	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 152130010A

	Orthoterphenyl
7988581	72
7988582	72
7988583	87
7988584	70
7988585	74
Blank	87
LCS	95
LCSD	85
Limits:	42-126

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/19/2015 19:59

Group Number: 1581291

Surrogate Quality Control

Analysis Name: Custom TPH ranges w/Si Gel
Batch number: 152170013A

	Chlorobenzene	Orthoterphenyl
7988581	68	91
7988582	73	98
7988583	68	93
7988584	78	102
7988585	60	95
Blank	44	71
LCS	34	77
LCSD	32	83
Limits:	28-152	52-131

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only 251127
 Acct. #: 10869 Sample #: 7988581-85 SCR#: _____

Facility #: 91723
 Site Address: 9757 San Leandro St., OAKLAND, CA.
 Chevron PM: CAROL MACLEOD Lead Consultant: STIMPEL
 Consultant/Office: 15575 LOS GARDOS BLVD., BLDG C, LOS GARDOS CA.
 Consultant Prj. Mgr.: TRAVIS FLOKA
 Consultant Phone #: 408-356-6124 Fax #: 408-356-6138
 Sampler: DEVON OWENS
 Service Order #: _____ Non SAR:

Analyses Requested

GR# 1581291

Preservation Codes

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	8TEX+MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421
SB-26 e 2.5	S	—	—	15-7-30	0900	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-26 e 5	S	—	—		0905	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-26 e 7.5	S	—	—		0915	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-26 e 10	S	—	—		0925	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-26 e 12.5	S	—	—		0930	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-26 e 15	S	—	—		0935	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-26 e 20	S	—	—		0950	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-34 e 2.5	S	—	—		1045	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-34 e 5	S	—	—		1055	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-34 e 7.5	S	—	—		1105	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-34 e 10	S	—	—		1120	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-34 e 12.5	S	—	—		1125	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
SB-34 e 15	S	—	—		1130	—	X	—	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds
 8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Comments / Remarks

* C6-C12, C10-C28, C18-C40 FOR ALL SAMPLES.

Turnaround Time Requested (TAT) (please circle)
 STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>7/30/15</u>	Time: <u>1400</u>	Received by: <u>[Signature]</u>	Date: <u>7/30/15</u>	Time: <u>1400</u>
Relinquished by: <u>[Signature]</u>	Date: <u>7/30/15</u>	Time: <u>1600</u>	Received by: <u>[Signature]</u>	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: <u>FedEx</u>	UPS	Other _____	Received by: <u>[Signature]</u>	Date: <u>7/31/15</u>	Time: <u>920</u>
Temperature Upon Receipt: <u>06.15</u> °C	Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

pg 1 of 2

Chevron California Region Analysis Request/Chain of Custody



251128

For Lancaster Laboratories use only

Acct. #: 10869 Sample #: 7988581-85 SCR#: _____

Facility #: <u>91723</u> Site Address: <u>9157 San Leandro St., Oakland, CA.</u> Chevron PM: <u>CAROL MACLEOD</u> Lead Consultant: <u>STANTEC</u> Consultant/Office: <u>15575 LOS GATOS BLVD., BLDG C, LOS GATOS</u> Consultant Prj. Mgr.: <u>TRAVIS FLOP</u> Consultant Phone #: <u>408-356-6124</u> Fax #: <u>408-356-6138</u> Sampler: <u>DEAN OWENS</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____							Analyses Requested										GR# <u>1581291</u>			
							Preservation Codes										Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits			
							Total Number of Containers <input type="checkbox"/> BTEX + MTBE 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> TPH 8015 MOD GRO <input checked="" type="checkbox"/> TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup 8260 full scan Oxygenates Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> BTEX (8260) TPH (8015) (8015B) NAPHTHALENE (80260B)													
Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite												
<u>SB-34C 20</u>	<u>S</u>	<u>—</u>	<u>—</u>	<u>15-7-30</u>	<u>1135</u>	<u>—</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>												
<u>SB-26-GW</u>	<u>GW</u>	<u>—</u>	<u>—</u>	<u>15-7-30</u>	<u>1030</u>	<u>—</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Comments / Remarks <u>#C6-C12, C10-C28, C18-C40 FOR ALL SAMPLES.</u>		
<u>SB-34-GW</u>	<u>GW</u>	<u>—</u>	<u>—</u>	<u>15-7-30</u>	<u>1200</u>	<u>—</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u>	Date <u>7/30/15</u> <u>7/30/15</u> Date	Time <u>1400</u> <u>1600</u> Time	Received by: <u>[Signature]</u> Received by: <u>[Signature]</u> Received by: <u>[Signature]</u>	Date <u>7/30/15</u> Date	Time <u>1400</u> Time
Relinquished by Commercial Carrier: UPS <input type="checkbox"/> <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Other _____			Received by: <u>[Signature]</u> Date: <u>7/31/15</u> Time: <u>920</u>		
Temperature Upon Receipt <u>0.6-1.5</u> °C			Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

pg 2 of 2

10869 / 7988581-85 / 1581291



Stantec Consulting Services Inc.
16575 Los Gatos Boulevard, Bldg C
Los Gatos, California 95032
Tel: 408-356-6124 Fax: 408-356-6138

Date: 7/29/15

Page: 1 of 3

Project Contact for Results (Hardcopy or PDF To):

TRAVIS.FLORA@STANTEC.COM

California EDF Report? Yes No

Chain-of-Custody Record and Analysis Request

Turn-around Time (Business Days):

Standard 5 DAYS 72 HR 48 HR 24 HR

CC Results to:

Global ID No:

Laboratory: EUROFIN

Samplers Name: DEVON OWENS

Lab Phone No.: 717-656-2300 Lab Fax No.:

Samplers Signature: *[Signature]*

Project Number: 211602332

Project Address: 9757 San Leandro ST., OAKLAND, CA

Project Name: CHANWON 91723

Project Manager: TRANS FLORA

Sampling Container Preservative Matrix

Sample Name	Field Point Name	Sampling		Container				# of Containers	Preservative				Matrix			BTEX (8200)	TPH GPO (8015)	TPH PRO W/ (8015)	SILICA-GEL GRAN-UP	MAPLE-A-LEVEL (8200B)	TPH MO (8015B)	C18-C40 rtrn	7/31/15	Sample Remarks	For Lab Use Only	
		Date	Time	40 ml VOA X3	SLEEVE	POLY	AMBER		Jar	HCl	HNO ₃	ICE	NONE	WATER	SOIL											VAPOR
SB-27@2.5	SB-27	7/29/15	1040	X				1						X	X	X	X	X	X							
SB-27@5	SB-27		1050	X				1						X	X	X	X	X	X							
SB-27@7.5	SB-27		1105	X				1						X	X	X	X	X	X							
SB-27@10	SB-27		1115	X				1						X	X	X	X	X	X							
SB-27@12.5	SB-27		1120	X				1						X	X	X	X	X	X							
SB-27@15	SB-27		1128	X				1						X	X	X	X	X	X							
SB-27@20	SB-27		1130	X				1						X	X	X	X	X	X							
SB-25@2.5	SB-25		1245	X				1						X	X	X	X	X	X							
SB-25@5	SB-25		1300	X				1						X	X	X	X	X	X							
SB-25@7.5	SB-25		1310	X				1						X	X	X	X	X	X							

Relinquished by: *[Signature]*

Date: 7/30/15 Time: 1402

Received by: *[Signature]* 7/30/15 1402

Remarks: * C6-C12, C10-C28, C18-C40 FOR ALL SAMPLES.

Relinquished by: *[Signature]*

Date: 7/30/15 Time: 1600

Received by: FE

Relinquished by: *[Signature]*

Date: 8/15/15 Time: 920

Received by Laboratory: *[Signature]*

Relinquished By Commercial Carrier:

FedEx UPS Other

Temperature Upon Receipt 0.6-1.5 °C

Bill To: Stantec Los Gatos
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

10869 / 7288581-85 / 1581291



Stantec Consulting Services Inc.
15575 Los Gatos Boulevard, Bldg C
Los Gatos, California 95032
Tel: 408-356-6124 Fax: 408-356-6138

Date: 7/29/15

Page: 2 of 3

Project Contact for Results (Hardcopy or PDF To):
TRAVIS.FLORES@STANTEC.COM

California EDF Report? Yes No

Chain-of-Custody Record and Analysis Request

CC Results to:
172

Global ID No:

Turn-around Time (Business Days):

Standard 5 DAYS 72 HR 48 HR 24 HR

Laboratory:
EUPROFINS

Samplers Name:
DEVON OWENS

Analysis Request

Lab Phone No.: 417-656-2300 Lab Fax No.:

Samplers Signature:
[Signature]

Project Number:
21602332

Project Address:
9757 San Leandro St., OAKLAND, CA.

Project Name:
CHAMBER 91723

Project Manager:
TRAVIS FLORES

Sampling Container Preservative Matrix

Sample Name	Field Point Name	Sampling		Container				# of Containers	Preservative				Matrix			
		Date	Time	40 ml VOA X3 SLEEVE	POLY	AMBER	Jar		HCl	HNO ₃	ICE	NONE	WATER	SOIL	VAPOR	
SB-25@10	SB-25	7/29/15	1315	X				1						X		
SB-25@12.5	SB-25	↓	1320	X				1						X		
SB-25@15	SB-25	↓	1325	X				1						X		
SB-25@20	SB-25	↓	1330	X				1						X		
SB-27-GW	SB-27	↓	1350	X		X		11	X		X	X		X		
SB-25-GW	SB-25	↓	1425	X		X		11	X		X	X		X		

Analysis Request	Sample Remarks	For Lab Use Only
BTEX (8260)		
TPH 600 (8015)		
TPH 000 (8015) w/ SILICA GEL CLEANUP		
NON-HALOGENATED (92605)		
TPH 400 (8015)		
C18-C40 NAL-7 BILLS		
MTBE (9260)		

Relinquished by: *[Signature]* Date: 7/30/15 Time: 1400 Received by: *[Signature]* 7/30/15 1400

Relinquished by: *[Signature]* Date: 7/30/15 Time: 1600 Received by: FE

Relinquished by: *[Signature]* Date: 7/31/15 Time: 910 Received by: *[Signature]*

Remarks:
* C6-C12, C10-C28, C18-C40 FOR ALL SAMPLES.

Relinquished By Commercial Carrier:
FedEx UPS Other

Temperature Upon Receipt: 0.6-1.5 °C

Bill To: Stantec Los Gatos
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

10869 / 7988581 - 85 / 1581291



Stantec Consulting Services Inc.
15575 Los Gatos Boulevard, Bldg C
Los Gatos, California 95032
Tel: 408-356-6124 Fax: 408-356-6138

Date: 7/29/15

Page: 3 of 3

Project Contact for Results (Hardcopy or PDF To):
TRAVIS.FLOBA@STANTEC.COM
CC Results to:
Laboratory: **EUROFINS**
Lab Phone No.: **717-656-2300** Lab Fax No.:
Project Number: **211602332**
Project Name: **CHAMON 91723**

California EDF Report? Yes No
Global ID No:
Samplers Name: **DEVON OWENS**
Samplers Signature: *[Signature]*
Project Address: **9751 Sun Leanda St, OAKLAND, CA**

Chain-of-Custody Record and Analysis Request
Turn-around Time (Business Days):
 Standard 5 DAYS 72 HR 48 HR 24 HR

Project Manager: TRAVIS FLOBA		Sampling		Container				Preservative				Matrix				
Sample Name	Field Point Name	Date	Time	40 ml VOA X3	SLEEVE	POLY	AMBER	Jar	# of Containers	HCl	HNO ₃	ICE	NONE	WATER	SOIL	VAPOR
SB-24@2.5	SB-24	7/29/15	1400		X				1					X		
SB-24@5	SB-24		1410		X				1					X		
SB-24@7.5	SB-24		1420		X				1					X		
SB-24@10	SB-24		1430		X				1					X		
SB-24@12.5	SB-24		1435		X				1					X		
SB-24@15	SB-24		1440		X				1					X		
SB-24@20	SB-24		1445		X				1					X		
SB-24-GW	SB-24			X		X			11					X		
SB-24-GW	SB-24	7/30/15	0845	X		X			11					X		

Analysis Request											Sample Remarks	For Lab Use Only
TPH-GEO (8015B)	TPH-DPO w/ SILICA GEL CLEANUP (8015B)	TPH-MO (9015B)	C18-40 PLM (73115)	PAH (9270C-SIM)	WATER METALS (Ca, Cr, Ni, Pb, Zn)	MPTHTALUM (8260A)	BTEX (8260B)	MTBE (9260B)	BTXCS (9260B)	TPH-GEO (8260B)		
X	X	X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X	X	X		

Relinquished by: *[Signature]* Date: 7/30/15 Time: 1400
 Relinquished by: *[Signature]* Date: 7/30/15 Time: 1600
 Relinquished by: *[Signature]* Date: 7/31/15 Time: 920
 Received by: *[Signature]* 7/30/15 1400
 Received by: FE
 Received by Laboratory: *[Signature]*

Remarks: * C6-C12, C10-C28, C18-C40 FOR ALL SAMPLES.

Relinquished By Commercial Carrier: FedEx UPS Other
Temperature Upon Receipt: 0.6-1.3 °C

Bill To: Stantec Los Gatos
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and the $<$ Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

August 17, 2015

Project: 91723

Submittal Date: 07/30/2015
Group Number: 1581289
PO Number: 0015167993
Release Number: MACLEOD
State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
SB-31-GW-W-150727 Grab Groundwater	7988573
SB-30-GW-W-150727 Grab Groundwater	7988574
SB-29-GW-W-150728 Grab Groundwater	7988575
SB-28-GW-W-150728 Grab Groundwater	7988576
SB-32-GW-W-150728 Grab Groundwater	7988577
SB-33-GW-W-150728 Grab Groundwater	7988578

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/> .

ELECTRONIC COPY TO	Stantec	Attn: Erin O'Malley
ELECTRONIC COPY TO	Stantec	Attn: Travis Flora
ELECTRONIC COPY TO	Stantec	Attn: Marisa Kaffenberger
ELECTRONIC COPY TO	Stantec	Attn: Laura Viesselman

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261

Sample Description: SB-31-GW-W-150727 Grab Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988573
LL Group # 1581289
Account # 10869

Project Name: 91723

Collected: 07/27/2015 15:15 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/17/2015 15:19

San Ramon CA 94583

SB31G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	C6-C12-TPH-GRO	n.a.	1,000	22	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1

GC Petroleum SW-846 8015B			ug/l	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	N.D.	48	1
13257	Total TPH w/Si Gel	n.a.	N.D.	48	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	320	50	1
The reverse surrogate, capric acid, is present at <1%.					
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 17:26	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 17:26	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152130011A	08/10/2015 22:19	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 20:34	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	152130011A	08/03/2015 16:55	JoElla L Rice	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: SB-30-GW-W-150727 Grab Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988574
LL Group # 1581289
Account # 10869

Project Name: 91723

Collected: 07/27/2015 15:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/17/2015 15:19

San Ramon CA 94583

SB30G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	C6-C12-TPH-GRO	n.a.	620	22	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1

GC Petroleum SW-846 8015B			ug/l	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	N.D.	48	1
13257	Total TPH w/Si Gel	n.a.	N.D.	48	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	250	50	1
The reverse surrogate, capric acid, is present at <1%.					
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 17:48	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 17:48	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152130011A	08/10/2015 22:41	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 20:56	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	152130011A	08/03/2015 16:55	JoElla L Rice	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: SB-29-GW-W-150728 Grab Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988575
LL Group # 1581289
Account # 10869

Project Name: 91723

Collected: 07/28/2015 12:30 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/17/2015 15:19

San Ramon CA 94583

SB29G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	C6-C12-TPH-GRO	n.a.	200	22	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1

GC Petroleum SW-846 8015B			ug/l	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	N.D.	47	1
13257	Total TPH w/Si Gel	n.a.	N.D.	47	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	180	50	1
The reverse surrogate, capric acid, is present at <1%.					
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 18:09	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 18:09	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152130011A	08/10/2015 23:02	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/12/2015 13:08	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	152130011A	08/03/2015 16:55	JoElla L Rice	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: SB-28-GW-W-150728 Grab Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988576
LL Group # 1581289
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/17/2015 15:19

San Ramon CA 94583

SB28G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10945	Benzene	71-43-2	2	0.5	1
10945	C6-C12-TPH-GRO	n.a.	4,100	22	1
10945	Ethylbenzene	100-41-4	110	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	42	1	1
10945	Toluene	108-88-3	0.6	0.5	1
10945	Xylene (Total)	1330-20-7	76	0.5	1

GC Petroleum SW-846 8015B			ug/l	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	N.D.	49	1
13257	Total TPH w/Si Gel	n.a.	N.D.	49	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	610	50	1
The reverse surrogate, capric acid, is present at <1%.					
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 18:31	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 18:31	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152130011A	08/10/2015 23:24	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 21:17	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	152130011A	08/03/2015 16:55	JoElla L Rice	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: SB-32-GW-W-150728 Grab Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988577
LL Group # 1581289
Account # 10869

Project Name: 91723

Collected: 07/28/2015 14:40 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/17/2015 15:19

San Ramon CA 94583

SB32G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	C6-C12-TPH-GRO	n.a.	240	22	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	0.9	0.5	1
10945	Naphthalene	91-20-3	1	1	1
10945	Toluene	108-88-3	0.7	0.5	1
10945	Xylene (Total)	1330-20-7	2	0.5	1

GC Petroleum Hydrocarbons w/Si		SW-846 8015B	ug/l	ug/l	
13257	C18-C40 w/Si Gel	n.a.	7,600	240	5
13257	Total TPH w/Si Gel	n.a.	7,600	240	5
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	4,300	50	1

The reverse surrogate, capric acid, is present at <1%.

Due to the dilution of the sample extract, capric acid recovery can not be determined.

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 18:53	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 18:53	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152130011A	08/11/2015 16:56	Heather E Williams	5
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 23:48	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	152130011A	08/03/2015 16:55	JoElla L Rice	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Sample Description: SB-33-GW-W-150728 Grab Groundwater
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # WW 7988578
LL Group # 1581289
Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/17/2015 15:19

San Ramon CA 94583

SB33G

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10945	Benzene	71-43-2	3	0.5	1
10945	C6-C12-TPH-GRO	n.a.	960	22	1
10945	Ethylbenzene	100-41-4	24	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	17	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	0.7	0.5	1

GC Petroleum SW-846 8015B			ug/l	ug/l	
Hydrocarbons w/Si					
13257	C18-C40 w/Si Gel	n.a.	N.D.	48	1
13257	Total TPH w/Si Gel	n.a.	N.D.	48	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	210	50	1
The reverse surrogate, capric acid, is present at <1%.					
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/Naph + GRO - Water	SW-846 8260B	1	F152162AA	08/04/2015 19:15	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152162AA	08/04/2015 19:15	Brett W Kenyon	1
13257	Custom TPH ranges w/Si Gel	SW-846 8015B	1	152130011A	08/11/2015 17:19	Heather E Williams	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	152130010A	08/10/2015 21:39	Christine E Dolman	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	152130011A	08/03/2015 16:55	JoElla L Rice	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	152130010A	08/03/2015 20:30	Karen L Beyer	1

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/17/2015 15:19

Group Number: 1581289

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: F152162AA	Sample number(s): 7988573-7988578							
Benzene	N.D.	0.5	ug/l	94	95	78-120	2	30
C6-C12-TPH-GRO	N.D.	22.	ug/l	89	89	80-152	0	30
Ethylbenzene	N.D.	0.5	ug/l	96	96	80-120	0	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97	96	75-120	1	30
Naphthalene	N.D.	1.	ug/l	94	94	59-120	1	30
Toluene	N.D.	0.5	ug/l	97	97	80-120	0	30
Xylene (Total)	N.D.	0.5	ug/l	98	97	80-120	0	30
Batch number: 152130010A	Sample number(s): 7988573-7988578							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	50.	ug/l	75	71	40-105	5	20
Batch number: 152130011A	Sample number(s): 7988573-7988578							
C18-C40 w/Si Gel	N.D.	50.	ug/l					
Total TPH w/Si Gel	N.D.	50.	ug/l	66	54	52-120	20	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/MTBE/Naph + GRO - Water
Batch number: F152162AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988573	98	100	101	99
7988574	98	100	101	99
7988575	96	98	101	98
7988576	97	99	101	100
7988577	97	99	102	100
7988578	97	98	103	101
Blank	99	99	102	99
LCS	98	102	101	99
LCSD	98	103	102	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 152130010A
Orthoterphenyl

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/17/2015 15:19

Group Number: 1581289

Surrogate Quality Control

7988573 83
7988574 71
7988575 66
7988576 77
7988577 86
7988578 83
Blank 87
LCS 95
LCSD 85

Limits: 42-126

Analysis Name: Custom TPH ranges w/Si Gel
Batch number: 152130011A

	Chlorobenzene	Orthoterphenyl
7988573	39	71
7988574	38	67
7988575	36	69
7988576	42	76
7988577	33	86
7988578	40	64
Blank	29	71
LCS	35	86
LCSD	30	75
Limits:	28-152	52-131

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915
073015-01

Acct. # 10809

For Eurofins Lancaster Laboratories Environmental use only

Group # 581289 Sample # 788573-78

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks			
Facility # <u>91723</u> WBS Site Address <u>91757 San Leandro St., Oakland, CA</u> Chevron PM <u>CAROL MACLEOD</u> Lead Consultant <u>STANAEZ</u> Consultant/Office <u>15375 LOS GATOS BLVD., SUITE C, LOS GATOS, CA</u> Consultant Project Mgr. <u>TRAVIS FLOCA</u> Consultant Phone # <u>408-352-6124</u> Sampler <u>DEVON OWENS / SUCTION SUMP</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/> Air				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method MTHMONE (8260B) BTEX (8260) PAH-MO (8015G) C18-C40 w/ Sigel per TF												SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits			
2 Sample Identification		3 Soil Collected		Grab	Composite	Soil	Water	Oil	Total	BTEX + MTBE	TPH-GRO	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	MTHMONE (8260B)	BTEX (8260)	PAH-MO (8015G) C18-C40 w/ Sigel per TF	9		
Depth	Date	Time	Relinquished by																		Date	Time	Received by
SB-31@2.5	2.5	7/29/15	1040	X	X	X			1	X	X	X	X					X	X	X			
SB-31@5	5		1050	X	X	X			1	X	X	X	X					X	X	X			
SB-31@7.5	7.5		1105	X	X	X			1	X	X	X	X					X	X	X			
SB-31@10	10		1135	X	X	X			1	X	X	X	X					X	X	X			
SB-31@12.5	12.5		1140	X	X	X			1	X	X	X	X					X	X	X			
SB-31@15	15		1145	X	X	X			1	X	X	X	X					X	X	X			
SB-30@2.5	2.5		1400	X	X	X			1	X	X	X	X					X	X	X			
SB-31@20	20		1300	X	X	X			1	X	X	X	X					X	X	X			
SB-30@5	5		1400	X	X	X			1	X	X	X	X					X	X	X			
SB-30@7.5	7.5		1425	X	X	X			1	X	X	X	X					X	X	X			
7 Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour 24 hour				Relinquished by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u> Relinquished by <u>A. Sulzer</u> Date <u>29 JUL 15</u> Time <u>1630</u>				Received by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u> Received by <u>FX</u>				Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____ Temperature Upon Receipt <u>0.5-2.6°C</u>				Received by <u>[Signature]</u> Date <u>7/30/15</u> Time <u>920</u> Custody Seals Intact? <u>Yes</u> No							
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				Relinquished by _____ Date _____ Time _____				Received by _____ Date _____ Time _____				Relinquished by _____ Date _____ Time _____				Received by _____ Date _____ Time _____							
EDD (circle if required) EDFFLAT (default) Other: _____																							

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Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 108609
3073015-01

For Eurofins Lancaster Laboratories Environmental use only
Group # 1581289 Sample # 7288573-78
Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks	
Facility # <u>91723</u> Site Address <u>9757 San Leandro St. Oakland, CA</u> Chevron PM <u>CAROL MACHENO</u> Consultant/Office <u>15575 LAS GATOS BLVD, BLDG C, LAS GATOS, CA</u> Consultant Project Mgr. <u>TRAVIS FLOTT</u> Consultant Phone # <u>408-350-6124</u> Sampler <u>DEVON OWENS / SULLIVAN SURVE</u>				WBS Lead Consultant <u>STANFEL</u> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/>				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica-Gel Cleanup <input checked="" type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method MANTANONE (80260) BTEX (8260) TPH-MO (8015B) (8-CHOW) SIGEL per TF NUL 7/30/15												SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
2 Sample Identification		3 Soil	3 Composite	3 Grab	3 Soil	3 Water	3 Oil	3 Total Number of Containers	3 BTEX + MTBE 8021	3 TPH-GRO 8015	3 TPH-DRO 8015 without Silica-Gel Cleanup	3 TPH-DRO 8015 with Silica Gel Cleanup	3 8260 Full Scan	3 Oxygenates	3 Total Lead Method	3 Dissolved Lead Method	6 Remarks				
Sample Identification	Depth	Collected Date	Time	Grab	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	TPH-GRO 8015	TPH-DRO 8015 without Silica-Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	6 Remarks				
SB-30 E 10	10	7/27/15	1430	X	X			1	X	X	X	X			X	X	X				
SB-30 E 12.5	12.5		1435	X	X			1	X	X	X	X			X	X	X				
SB-30 E 15	15		1440	X	X			1	X	X	X	X			X	X	X				
SB-30 E 20	20		1445	X	X			1	X	X	X	X			X	X	X				
SB-31-GW			1515	X		X		1	X	X	X	X			X	X	X				
SB-30-GW			1545	X		X		1	X	X	X	X			X	X	X				
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>				Received by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>				Relinquished by <u>a. balgar</u> Date <u>29 JUL 15</u> Time <u>1630</u>				Received by <u>FX</u> Date <u></u> Time <u></u>					
Standard <input checked="" type="radio"/> 5 day 72 hour <input type="radio"/> 48 hour <input type="radio"/> 24 hour				Relinquished by <u>AS29</u> Date <u>7/29/15</u> Time <u></u>				Received by <u>[Signature]</u> Date <u></u> Time <u></u>				Relinquished by Commercial Carrier: UPS <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> Other <input type="checkbox"/>				Received by <u>[Signature]</u> Date <u>7/30/15</u> Time <u>920</u>					
8 Data Package (circle if required)				Temperature Upon Receipt <u>0.5-2.6</u> °C				Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No													
Type I - Full <input type="checkbox"/> Type VI (Raw Data) <input type="checkbox"/>																					
EDD (circle if required)																					
EDFFLAT (default) <input type="checkbox"/> Other: _____																					

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Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 10869
 15-073015-01

For Eurofins Lancaster Laboratories Environmental use only

Group # 1581289 Sample # 7988873-78

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks		
Facility # <u>91723</u> WBS Site Address <u>9157 San Leandro St. OAKLAND, CA</u> Chevron PM <u>CAROL MACLEOD</u> Lead Consultant <u>STRAZEL</u> Consultant/Office <u>15575 LOS GATOS BLVD, BLDG. C, LOS GATOS, CA</u> Consultant Project Mgr. <u>TRAVIS FLORA</u> Consultant Phone # <u>408-356-6124</u> Sampler <u>DEVON OWENS</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/> Air				Total Number of Containers BTEX+ MTBE 8021 <input checked="" type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method NAPH+MTBE+ENE (8260B) TPH-MO (CONSIST) (8-CHD)W Sigel per TF MULTIS												SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits		
2 Sample Identification		Soil Depth	3 Collected		Grab	Composite																
			Date	Time																		
<u>SB-29@2.5</u>		<u>2.5</u>	<u>7/28/15</u>	<u>0915</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-29@5</u>		<u>5</u>	<u>0925</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-29@7.5</u>		<u>7.5</u>	<u>0945</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-29@10</u>		<u>10</u>	<u>0955</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-29@12.5</u>		<u>12.5</u>	<u>1000</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-29@15</u>		<u>15</u>	<u>1005</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-29@20</u>		<u>20</u>	<u>1010</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-28@2.5</u>		<u>2.5</u>	<u>1100</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-28@5</u>		<u>5</u>	<u>1110</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
<u>SB-28@7.5</u>		<u>7.5</u>	<u>1120</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
7 Turnaround Time Requested (TAT) (please circle)							Relinquished by <u>[Signature]</u>		Date <u>7/28/15</u>	Time <u>1600</u>	Received by <u>[Signature]</u>		Date <u>7/28/15</u>	Time <u>1600</u>	9							
<input checked="" type="radio"/> Standard 5 day 4 day <input type="radio"/> 72 hour 48 hour 24 hour							Relinquished by <u>[Signature]</u>		Date <u>29 JUL 15</u>	Time <u>1630</u>	Received by <u>FX</u>		Date	Time								
8 Data Package (circle if required)							Relinquished by Commercial Carrier:		Date	Time	Received by <u>[Signature]</u>		Date <u>7/30/15</u>	Time <u>920</u>								
<input type="radio"/> Type I - Full <input type="radio"/> Type VI (Raw Data)							<input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Other _____		Temperature Upon Receipt <u>0.5-1.6°C</u>		Custody Seals Intact?		<input checked="" type="radio"/> Yes <input type="radio"/> No									
<input type="checkbox"/> EDD (circle if required) <input type="checkbox"/> EDFFLAT (default) Other: _____																						

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Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 108609
3-073015-01

For Eurofins Lancaster Laboratories Environmental use only
Group # 1581289 Sample # 7288573-78
Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks			
Facility # <u>91723</u> Site Address <u>9257 San Leandro St., Oakland, CA.</u> Chevron PM <u>CAROL MACLEOD</u> Consultant/Office <u>15575 LOS GATOS BLVD., BLDG. C, LOS GATOS, CA.</u> Consultant Project Mgr. <u>TRAVIS FLOEA</u> Consultant Phone # <u>408-350-6124</u> Sampler <u>DEVON OWENS</u>				WBS Lead Consultant <u>S. PATEK</u> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/>				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Dissolved Lead NAPHTHALENE (8260B) PHT-MO (8015B) SIGELPERF BTEX (8260)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits			
2 Sample Identification		Soil Depth	Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	TPH-GRO	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	NAPHTHALENE (8260B)	PHT-MO (8015B) SIGELPERF	BTEX (8260)
			Date	Time																	
SB-28C10		10	7/28/15	1130	X	X					X	X	X	X					X	X	X
SB-28C12.5		12.5		1135	X	X					X	X	X	X					X	X	X
SB-28C15		15		1140	X	X					X	X	X	X					X	X	X
SB-28C20		20		1145	X	X					X	X	X	X					X	X	X
SB-29-GW				1230	X		X			X	X	X	X						X	X	X
SB-32C2.5		2.5		1300	X	X					X	X	X	X					X	X	X
SB-32C5		5		1310	X	X					X	X	X	X					X	X	X
SB-32C7.5		7.5		1325	X	X					X	X	X	X					X	X	X
SB-32C10		10		1340	X	X					X	X	X	X					X	X	X
SB-32C12.5		12.5		1345	X	X					X	X	X	X					X	X	X
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by			Date	Time	Received by			Date	Time									
Standard 5 day 4 day			<i>[Signature]</i>			7/28/15	1600	<i>[Signature]</i>			7/28/15	1600									
72 hour 48 hour 24 hour			Relinquished by			Date	Time	Received by			Date	Time									
			<i>[Signature]</i>			29 Jul 15	1630	<i>[Signature]</i>													
8 Data Package (circle if required)			Relinquished by			Date	Time	Received by			Date	Time									
Type I - Full Type VI (Raw Data)																					
EDD (circle if required)			Relinquished by Commercial Carrier:			Received by			Date	Time											
EDFFLAT (default) Other: _____			UPS _____ FedEx <input checked="" type="checkbox"/> Other _____			<i>[Signature]</i>			7/30/15	920											
Temperature Upon Receipt <u>0.5-2.6 °C</u>						Custody Seals Intact? <u>Yes</u> No															

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Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 10809 For Eurofins Lancaster Laboratories Environmental use only
 2023015-01 Group # 1581289 Sample # 1788573-28
 Instructions on reverse side correspond with circled numbers.

1 Client Information					4 Matrix				5 Analyses Requested												6 Remarks	
Facility # <u>91723</u> WBS Site Address <u>9757 San Leandro St., OAKLAND, CA.</u> Chevron PM <u>CARROLL MACLEOD</u> Lead Consultant <u>STANIEZ</u> Consultant/Office <u>1575 Las Gatas Blvd., Bldg C., Las Gatas, CA.</u> Consultant Project Mgr. <u>TRAVIS FINCA</u> Consultant Phone # <u>408-356-6124</u> Sampler <u>DAWN OWENS</u>					Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input checked="" type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/>				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> Total Lead Method <input type="checkbox"/> Dissolved Lead Method <input type="checkbox"/> MXPHTHALONE (8260) <input type="checkbox"/> PHHMO (8015) <input type="checkbox"/> BTEX (8260) <input type="checkbox"/>												SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
2 Sample Identification	3 Soil Depth	3 Collected		3 Grab	3 Composite	Soil	Water	Oil	Total Number of Containers	5 Analyses Requested												6 Remarks
		Date	Time							BTEX + MTBE	TPH-GRO	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	MXPHTHALONE (8260)	PHHMO (8015)	BTEX (8260)		
SB-32 @ 15	15	7/28/15	1350	X	X					X	X	X	X	X	X	X	X	X				
SB-32 @ 20	20		1355	X	X					X	X	X	X	X	X	X	X	X				
SB-28-GW	-		1345	X		X			X	X	X	X	X	X	X	X	X	X				
SB-33 @ 2.5	2.5		1435	X	X					X	X	X	X	X	X	X	X	X				
SB-33 @ 5	5		1445	X	X					X	X	X	X	X	X	X	X	X				
SB-33 @ 7.5	7.5		1500	X	X					X	X	X	X	X	X	X	X	X				
SB-33 @ 10	10		1520	X	X					X	X	X	X	X	X	X	X	X				
SB-33 @ 12.5	12.5		1515	X	X					X	X	X	X	X	X	X	X	X				
SB-33 @ 15	15		1525	X	X					X	X	X	X	X	X	X	X	X				
SB-33 @ 20	20		1530	X	X					X	X	X	X	X	X	X	X	X				
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="radio"/> 5 day 4 day 72 hour 48 hour 24 hour					Relinquished by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		Received by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		9													
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)					Relinquished by <u>[Signature]</u> Date <u>7/29/15</u> Time <u>1638</u>		Received by <u>[Signature]</u> Date _____ Time _____		Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____													
EDD (circle if required) EDFFLAT (default) Other: _____					Received by <u>[Signature]</u> Date <u>7/30/15</u> Time <u>920</u>		Temperature Upon Receipt <u>0.5-2.6°C</u>		Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													

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Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # 10869 For Eurofins Lancaster Laboratories Environmental use only
 Group # 1581289 Sample # 77885-73-78
 Instructions on reverse side correspond with circled numbers.

3073015-01

1 Client Information 2072915				4 Matrix			5 Analyses Requested										6 Remarks								
Facility # <u>91723</u> Site Address <u>9257 San Leandro Blvd Oakland, CA</u> Chevron PM <u>CAROL MALLUP</u> Consultant/Office <u>15575 LOS GARDOS BLVD., BLDG C, LOS GARDOS, CA.</u> Consultant Project Mgr. <u>TRAVIS FLORA</u> Consultant Phone # <u>408-386-6124</u> Lead Consultant <u>STANTZ</u> Sampler <u>DOWN WINGS.</u>				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Oil			Total Number of Containers BTEX + MTBE 8021 <input checked="" type="checkbox"/> 8260 TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Dissolved Lead MAPIRAN-LENS (8260B) PPH-MO (8015) (8260) BTEX (8260)										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits								
2 Sample Identification		Soil Depth	3 Collected		Grab	Composite	Soil	Water	Oil	Total	BTEX + MTBE 8021	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	Method	Method	MAPIRAN-LENS (8260B)	PPH-MO (8015) (8260)	BTEX (8260)	Remarks	
Date	Time	Soil	Water	Oil																					Total
<u>SB-32-GW</u>	<u>7/28/15</u>	<u>1440</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>18</u>
SB-32-GW	7/28/15	1230	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<u>SB-33-GW</u>	<u>7/28/15</u>	<u>1545</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day
 72 hour 48 hour 24 hour

8 Data Package (circle if required)

Type I - Full Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) Other: _____

Relinquished by <u>[Signature]</u>	Date <u>7/28/15</u>	Time <u>1600</u>	Received by <u>[Signature]</u>	Date <u>7/28/15</u>	Time <u>1600</u>
Relinquished by <u>[Signature]</u>	Date <u>29 JUL 15</u>	Time <u>1638</u>	Received by <u>FX</u>	Date	Time
Relinquished by Commercial Carrier:	UPS _____ FedEx <input checked="" type="checkbox"/> Other _____		Received by <u>[Signature]</u>	Date <u>03015</u>	Time <u>920</u>
Temperature Upon Receipt <u>0.5 - 2.6 °C</u>			Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No		

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and the $<$ Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

October 08, 2015

Project: 91723

Submittal Date: 07/31/2015
Group Number: 1581288
PO Number: 0015167993
Release Number: MACLEOD
State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
SB-26-S-2.5-150730 Grab Soil	7988538
SB-26-S-5-150730 Grab Soil	7988539
SB-26-S-7.5-150730 Grab Soil	7988540
SB-26-S-10-150730 Grab Soil	7988541
SB-26-S-12.5-150730 Grab Soil	7988542
SB-26-S-15-150730 Grab Soil	7988543
SB-26-S-20-150730 Grab Soil	7988544
SB-34-S-2.5-150730 Grab Soil	7988545
SB-34-S-5-150730 Grab Soil	7988546
SB-34-S-7.5-150730 Grab Soil	7988547
SB-34-S-10-150730 Grab Soil	7988548
SB-34-S-12.5-150730 Grab Soil	7988549
SB-34-S-15-150730 Grab Soil	7988550
SB-34-S-20-150730 Grab Soil	7988551
SB-27-S-2.5-150729 Soil	7988552
SB-27-S-5-150729 Soil	7988553
SB-27-S-7.5-150729 Soil	7988554
SB-27-S-10-150729 Soil	7988555
SB-27-S-12.5-150729 Soil	7988556
SB-27-S-15-150729 Soil	7988557
SB-27-S-20-150729 Soil	7988558
SB-25-S-2.5-150729 Soil	7988559
SB-25-S-5-150729 Soil	7988560
SB-25-S-7.5-150729 Soil	7988561
SB-25-S-10-150729 Soil	7988562
SB-25-S-12.5-150729 Soil	7988563
SB-25-S-15-150729 Soil	7988564
SB-25-S-20-150729 Soil	7988565
SB-24-S-2.5-150729 Soil	7988566
SB-24-S-5-150729 Soil	7988567
SB-24-S-7.5-150729 Soil	7988568

SB-24-S-10-150729 Soil	7988569
SB-24-S-12.5-150729 Soil	7988570
SB-24-S-15-150729 Soil	7988571
SB-24-S-20-150729 Soil	7988572

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC COPY TO	Stantec	Attn: Erin O'Malley
ELECTRONIC COPY TO	Stantec	Attn: Travis Flora
ELECTRONIC COPY TO	Stantec	Attn: Marisa Kaffenberger
ELECTRONIC COPY TO	Stantec	Attn: Laura Viesselman

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261

Sample Description: SB-26-S-2.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988538
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:00 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

SB262

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	1.4	0.023	46.82
10237	Ethylbenzene	100-41-4	21	0.47	468.16
10237	Naphthalene	91-20-3	12	0.047	46.82
10237	Toluene	108-88-3	0.68	0.047	46.82
10237	Xylene (Total)	1330-20-7	49	0.47	468.16
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1,300	410	20682.52
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	160	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152241AA	08/12/2015 10:45	Anita M Dale	46.82
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152241AA	08/12/2015 11:09	Anita M Dale	468.16
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:12	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 04:21	Jeremy C Giffin	20682.52
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:13	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/11/2015 00:29	Heather E Williams	1

Sample Description: SB-26-S-2.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988538
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:00 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB262

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 22:34	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: **SB-26-S-5-150730 Grab Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988539**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/30/2015 09:05 by DO ChevronTexaco
 L4310
 Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
 Reported: 10/08/2015 14:43 San Ramon CA 94583

SB265

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.26	0.024	47.17
10237	Ethylbenzene	100-41-4	5.1	0.047	47.17
10237	Naphthalene	91-20-3	3.5	0.047	47.17
10237	Toluene	108-88-3	N.D.	0.047	47.17
10237	Xylene (Total)	1330-20-7	3.7	0.047	47.17
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	530	110	5252.1
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	53	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152232AA	08/11/2015 23:08	Kevin A Sposito	47.17
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:16	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 04:56	Jeremy C Giffin	5252.1
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:17	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/11/2015 00:51	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/12/2015 01:51	Christine E Dolman	1

REVISED

Sample Description: SB-26-S-5-150730 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988539
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:05 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB265

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-26-S-7.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988540
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:15 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

SB267

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.049	0.025	50.2
10237	Ethylbenzene	100-41-4	0.069	0.050	50.2
10237	Naphthalene	91-20-3	0.097	0.050	50.2
10237	Toluene	108-88-3	N.D.	0.050	50.2
10237	Xylene (Total)	1330-20-7	N.D.	0.050	50.2
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	210	20	1011.12
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	160	4.0	1
13260	Total TPH	n.a.	160	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	150	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152232AA	08/12/2015 05:44	Kevin A Sposito	50.2
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:20	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 05:31	Jeremy C Giffin	1011.12
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:20	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/11/2015 01:12	Heather E Williams	1

REVISED

Sample Description: SB-26-S-7.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988540
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:15 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB267

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/12/2015 00:46	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-26-S-10-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988541
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:25 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2610

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	2.7	0.023	46.64
10237	Ethylbenzene	100-41-4	0.36	0.047	46.64
10237	Naphthalene	91-20-3	1.7	0.047	46.64
10237	Toluene	108-88-3	N.D.	0.047	46.64
10237	Xylene (Total)	1330-20-7	0.089	0.047	46.64
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	530	40	2008.03
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	270	4.0	1
13260	Total TPH	n.a.	270	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	220	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152241AA	08/12/2015 11:31	Anita M Dale	46.64
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:24	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 06:06	Jeremy C Giffin	2008.03
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:24	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/11/2015 01:34	Heather E Williams	1

REVISED

Sample Description: SB-26-S-10-150730 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988541
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:25 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2610

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 23:18	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-26-S-12.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988542
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:30 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2612

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.20	0.023	45.7
10237	Ethylbenzene	100-41-4	0.078	0.046	45.7
10237	Naphthalene	91-20-3	0.11	0.046	45.7
10237	Toluene	108-88-3	N.D.	0.046	45.7
10237	Xylene (Total)	1330-20-7	0.11	0.046	45.7
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	650	39	1958.86
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	770	7.9	2
13260	Total TPH	n.a.	770	7.9	2
Due to the dilution of the sample extract, capric acid recovery can not be determined.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	560	7.9	2
Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152241AA	08/12/2015 12:18	Anita M Dale	45.7
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:28	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 06:41	Jeremy C Giffin	1958.86
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:29	Mitchell R Washel	n.a.

Sample Description: SB-26-S-12.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988542
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:30 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2612

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/11/2015 17:19	Heather E Williams	2
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/12/2015 15:41	Nicholas R Rossi	2
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-26-S-15-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988543
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:35 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2615

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.007	0.0005	0.97
10237	Ethylbenzene	100-41-4	0.003	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	0.001	0.001	0.97
10237	Xylene (Total)	1330-20-7	0.005	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	26	2.0	99.6
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	93	4.0	1
13260	Total TPH	n.a.	93	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	76	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 21:05	Angela D Sneeringer	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 16:36	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:33	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 01:24	Jeremy C Giffin	99.6
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:34	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/11/2015 20:44	Heather E Williams	1

Sample Description: SB-26-S-15-150730 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988543
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:35 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2615

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/12/2015 20:49	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-26-S-20-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988544
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:50 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2620

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.32
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 16:11	Angela D Sneeringer	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:11	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 17:11	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:48	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/10/2015 20:08	Jeremy C Giffin	24.32
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:49	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/11/2015 21:27	Heather E Williams	1

Sample Description: SB-26-S-20-150730 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988544
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/30/2015 09:50 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2620

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/12/2015 21:33	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-34-S-2.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988545
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 10:45 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB342

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.99
10237	Naphthalene	91-20-3	N.D.	0.001	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.99
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.8	0.5	25.96
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 16:34	Angela D Sneeringer	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:11	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 17:11	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:53	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/10/2015 20:43	Jeremy C Giffin	25.96
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:54	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/11/2015 21:49	Heather E Williams	1

Sample Description: SB-34-S-2.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988545
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 10:45 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB342

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/12/2015 21:55	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-34-S-5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988546
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 10:55 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB345

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.98
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	26.07
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 16:56	Angela D Sneeringer	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:11	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 17:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:57	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15222A34A	08/11/2015 22:42	Jeremy C Giffin	26.07
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 16:58	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/11/2015 22:11	Heather E Williams	1

Sample Description: SB-34-S-5-150730 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988546
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/30/2015 10:55 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB345

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/12/2015 22:17	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-34-S-7.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988547
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:05 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB347

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	26.04
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 17:19	Angela D Sneeringer	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 17:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:01	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15222A34A	08/11/2015 23:18	Jeremy C Giffin	26.04
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:01	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/11/2015 22:32	Heather E Williams	1

Sample Description: SB-34-S-7.5-150730 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988547
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:05 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB347

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/12/2015 22:39	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-34-S-10-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988548
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:20 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S3410

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.040	0.026	51.12
10237	Ethylbenzene	100-41-4	N.D.	0.051	51.12
10237	Naphthalene	91-20-3	N.D.	0.051	51.12
10237	Toluene	108-88-3	N.D.	0.051	51.12
10237	Xylene (Total)	1330-20-7	N.D.	0.051	51.12
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	43	2.1	104.71
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	6.4	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152241AA	08/12/2015 12:41	Anita M Dale	51.12
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 17:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:04	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15222A34A	08/12/2015 01:39	Jeremy C Giffin	104.71
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:05	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/11/2015 22:54	Heather E Williams	1

Sample Description: SB-34-S-10-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988548
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:20 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S3410

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/12/2015 23:01	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-34-S-12.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988549
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:25 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S3412

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.026	52.08
10237	Ethylbenzene	100-41-4	N.D.	0.052	52.08
10237	Naphthalene	91-20-3	N.D.	0.052	52.08
10237	Toluene	108-88-3	N.D.	0.052	52.08
10237	Xylene (Total)	1330-20-7	N.D.	0.052	52.08
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	55	4.8	240.38
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	13	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152241AA	08/12/2015 13:05	Anita M Dale	52.08
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338433	08/01/2015 17:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:08	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15222A34A	08/12/2015 02:14	Jeremy C Giffin	240.38
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338433	08/01/2015 17:09	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/11/2015 23:16	Heather E Williams	1

Sample Description: SB-34-S-12.5-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988549
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:25 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S3412

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/12/2015 23:23	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-34-S-15-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988550
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:30 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S3415

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.0007	0.0005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	1.03
10237	Toluene	108-88-3	N.D.	0.001	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.03
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.2	0.5	24.49
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 18:26	Angela D Sneeringer	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:36	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:36	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 22:53	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15222A34A	08/11/2015 23:53	Jeremy C Giffin	24.49
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 22:54	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/11/2015 23:37	Heather E Williams	1

Sample Description: SB-34-S-15-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988550
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:30 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S3415

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/12/2015 23:45	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-34-S-20-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988551
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:35 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S3420

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	1.02
10237	Toluene	108-88-3	N.D.	0.001	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.02
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	27.09
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	6.1	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 18:49	Angela D Sneeringer	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:36	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:36	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 22:58	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15222A34A	08/12/2015 00:28	Jeremy C Giffin	27.09
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 22:57	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 00:21	Heather E Williams	1

REVISED

Sample Description: SB-34-S-20-150730 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988551
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/30/2015 11:35 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S3420

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 00:07	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-27-S-2.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988552
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 10:40 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

SB272

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.027	53.3
10237	Ethylbenzene	100-41-4	N.D.	0.053	53.3
10237	Naphthalene	91-20-3	N.D.	0.053	53.3
10237	Toluene	108-88-3	N.D.	0.053	53.3
10237	Xylene (Total)	1330-20-7	N.D.	0.053	53.3
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	57	2.1	106.61
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	130	4.0	1
13260	Total TPH	n.a.	130	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	65	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152232AA	08/12/2015 06:07	Kevin A Sposito	53.3
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:36	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:36	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:01	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 01:51	Jeremy C Giffin	106.61
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:00	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 03:36	Heather E Williams	1

REVISED

Sample Description: SB-27-S-2.5-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988552
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 10:40 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB272

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 03:24	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-27-S-5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988553
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 10:50 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

SB275

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	0.009	0.0005	1.01
10237	Ethylbenzene	100-41-4	0.002	0.001	1.01
10237	Naphthalene	91-20-3	0.002	0.001	1.01
10237	Toluene	108-88-3	N.D.	0.001	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.01
GC Volatiles					
		SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	20	2.0	101.42
GC Petroleum Hydrocarbons					
		SW-846 8015B	mg/kg	mg/kg	
13260	C18-C40	n.a.	7.1	4.0	1
13260	Total TPH	n.a.	7.1	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si					
		SW-846 8015B	mg/kg	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	11	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 19:11	Angela D Sneeringer	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:36	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:05	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 02:27	Jeremy C Giffin	101.42
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:06	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 03:14	Heather E Williams	1

REVISED

Sample Description: SB-27-S-5-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988553
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 10:50 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB275

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 03:02	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-27-S-7.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988554
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:05 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

SB277

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.025	50.2
10237	Ethylbenzene	100-41-4	N.D.	0.050	50.2
10237	Naphthalene	91-20-3	N.D.	0.050	50.2
10237	Toluene	108-88-3	N.D.	0.050	50.2
10237	Xylene (Total)	1330-20-7	N.D.	0.050	50.2
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	78	4.8	242.01
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	230	4.0	1
13260	Total TPH	n.a.	230	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	170	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152232AA	08/12/2015 00:41	Kevin A Sposito	50.2
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:09	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31B	08/12/2015 19:38	Jeremy C Giffin	242.01
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:09	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 03:57	Heather E Williams	1

REVISED

Sample Description: SB-27-S-7.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988554
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:05 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB277

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 03:46	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-27-S-10-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988555
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:15 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2710

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.089	0.027	53.42
10237	Ethylbenzene	100-41-4	0.59	0.053	53.42
10237	Naphthalene	91-20-3	1.1	0.053	53.42
10237	Toluene	108-88-3	N.D.	0.053	53.42
10237	Xylene (Total)	1330-20-7	N.D.	0.053	53.42
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	540	100	5197.51
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	15	4.0	1
13260	Total TPH	n.a.	15	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	110	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152232AA	08/12/2015 03:01	Kevin A Sposito	53.42
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:13	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 08:43	Jeremy C Giffin	5197.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:12	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 00:43	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 00:29	Nicholas R Rossi	1

REVISED

Sample Description: SB-27-S-10-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988555
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:15 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2710

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-27-S-12.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988556
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:20 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2712

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.025	49.31
10237	Ethylbenzene	100-41-4	0.30	0.049	49.31
10237	Naphthalene	91-20-3	0.23	0.049	49.31
10237	Toluene	108-88-3	N.D.	0.049	49.31
10237	Xylene (Total)	1330-20-7	0.082	0.049	49.31
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	390	18	921.66
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	33	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152241AA	08/12/2015 18:55	Anita M Dale	49.31
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:16	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 09:20	Jeremy C Giffin	921.66
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:15	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 01:04	Heather E Williams	1

Sample Description: SB-27-S-12.5-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988556
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:20 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2712

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 00:50	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-27-S-15-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988557
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:28 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2715

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B mg/kg					
10237	Benzene	71-43-2	N.D.	0.026	52.52
10237	Ethylbenzene	100-41-4	N.D.	0.053	52.52
10237	Naphthalene	91-20-3	N.D.	0.053	52.52
10237	Toluene	108-88-3	N.D.	0.053	52.52
10237	Xylene (Total)	1330-20-7	N.D.	0.053	52.52
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles SW-846 8015B modified mg/kg					
01725	TPH-GRO N. CA soil C6-C12	n.a.	20	2.0	98.91
GC Petroleum SW-846 8015B mg/kg					
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum SW-846 8015B mg/kg					
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	8.0	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152232AA	08/12/2015 01:04	Kevin A Sposito	52.52
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:19	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 03:03	Jeremy C Giffin	98.91
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:19	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 01:26	Heather E Williams	1

Sample Description: SB-27-S-15-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988557
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:28 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2715

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 01:12	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: **SB-27-S-20-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988558**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 11:30 by DO ChevronTexaco
 L4310
 Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
 Reported: 10/08/2015 14:43 San Ramon CA 94583

S2720

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	23.97
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152232AA	08/12/2015 07:55	Christopher G Torres	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:24	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/05/2015 23:19	Jeremy C Giffin	23.97
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:23	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 01:48	Heather E Williams	1

Sample Description: SB-27-S-20-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988558
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 11:30 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2720

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 01:34	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-25-S-2.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988559
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 12:45 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

SB252

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.94
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.94
10237	Naphthalene	91-20-3	N.D.	0.0009	0.94
10237	Toluene	108-88-3	N.D.	0.0009	0.94
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.94
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	23	5.1	255.36
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	490	4.0	1
13260	Total TPH	n.a.	490	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	190	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 19:33	Angela D Sneeringer	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:28	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 03:40	Jeremy C Giffin	255.36
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:27	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 04:19	Heather E Williams	1

Sample Description: SB-25-S-2.5-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988559
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 12:45 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB252

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 04:08	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-25-S-5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988560
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:00 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

SB255

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.04
10237	Naphthalene	91-20-3	N.D.	0.001	1.04
10237	Toluene	108-88-3	N.D.	0.001	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.04
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.8	0.5	24.02
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152232AA	08/12/2015 06:24	Christopher G Torres	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:32	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/05/2015 23:55	Jeremy C Giffin	24.02
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521538443	08/03/2015 19:23	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 02:09	Heather E Williams	1

Sample Description: SB-25-S-5-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988560
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:00 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB255

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 01:56	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-25-S-7.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988561
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:10 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

SB257

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.7	0.5	23.41
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152232AA	08/12/2015 08:17	Christopher G Torres	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:33	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 00:31	Jeremy C Giffin	23.41
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:33	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 02:31	Heather E Williams	1

Sample Description: SB-25-S-7.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988561
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:10 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB257

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 02:18	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-25-S-10-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988562
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:15 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2510

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.32	0.024	48.92
10237	Ethylbenzene	100-41-4	0.096	0.049	48.92
10237	Naphthalene	91-20-3	0.69	0.049	48.92
10237	Toluene	108-88-3	N.D.	0.049	48.92
10237	Xylene (Total)	1330-20-7	N.D.	0.049	48.92

Reporting limits were raised due to interference from the sample matrix.

GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	140	20	1014.2

GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	15	4.0	1
13260	Total TPH	n.a.	15	4.0	1

The reverse surrogate, capric acid, is present at <1%.

GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	21	4.0	1

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152232AA	08/12/2015 01:28	Kevin A Sposito	48.92
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:36	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 09:56	Jeremy C Giffin	1014.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:37	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152190014A	08/12/2015 02:53	Heather E Williams	1

Sample Description: SB-25-S-10-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988562
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:15 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2510

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152190013A	08/13/2015 02:40	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152190013A	08/08/2015 13:10	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152190014A	08/08/2015 13:10	Sally L Appleyard	1

Sample Description: SB-25-S-12.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988563
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:20 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2512

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.76	0.046	91.07
10237	Ethylbenzene	100-41-4	0.86	0.091	91.07
10237	Naphthalene	91-20-3	0.40	0.091	91.07
10237	Toluene	108-88-3	N.D.	0.091	91.07
10237	Xylene (Total)	1330-20-7	1.2	0.091	91.07
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	450	98	4906.77
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	69	3.9	1
13260	Total TPH	n.a.	69	3.9	1
The reverse surrogate, capric acid, is present at 1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	73	3.9	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152232AA	08/12/2015 04:34	Kevin A Sposito	91.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:42	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 07:17	Jeremy C Giffin	4906.77
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:42	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/12/2015 23:27	Heather E Williams	1

Sample Description: SB-25-S-12.5-150729 Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988563
 LL Group # 1581288
 Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:20 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2512

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/18/2015 11:22	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1

Sample Description: SB-25-S-15-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988564
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:25 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2515

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.010	0.0005	1.07
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.07
10237	Naphthalene	91-20-3	N.D.	0.001	1.07
10237	Toluene	108-88-3	N.D.	0.001	1.07
10237	Xylene (Total)	1330-20-7	0.003	0.001	1.07
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	5.1	1.9	96.81
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152241AA	08/12/2015 19:56	Angela D Sneeringer	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:43	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 02:35	Jeremy C Giffin	96.81
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:44	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 00:31	Heather E Williams	1

Sample Description: SB-25-S-15-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988564
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:25 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2515

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 12:35	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1

Sample Description: SB-25-S-20-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988565
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:30 by DO ChevronTexaco
L4310
Submitted: 07/31/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 10/08/2015 14:43 San Ramon CA 94583

S2520

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.001	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	0.002	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.83
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	3.9	1
13260	Total TPH	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152232AA	08/12/2015 06:47	Christopher G Torres	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:49	Scott W Freisher	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/10/2015 21:18	Jeremy C Giffin	24.83
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:50	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 00:52	Heather E Williams	1

Sample Description: SB-25-S-20-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988565
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 13:30 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2520

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 12:57	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1

Sample Description: **SB-24-S-2.5-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988566**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:00 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB242

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1
10237	Bromodichloromethane	75-27-4	N.D.	0.001	1
10237	Bromoform	75-25-2	N.D.	0.001	1
10237	Bromomethane	74-83-9	N.D.	0.002	1
10237	Carbon Tetrachloride	56-23-5	N.D.	0.001	1
10237	Chlorobenzene	108-90-7	N.D.	0.001	1
10237	Chloroethane	75-00-3	N.D.	0.002	1
10237	Chloroform	67-66-3	N.D.	0.001	1
10237	Chloromethane	74-87-3	N.D.	0.002	1
10237	Dibromochloromethane	124-48-1	N.D.	0.001	1
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1
10237	1,1-Dichloroethane	75-34-3	N.D.	0.001	1
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	1
10237	1,1-Dichloroethene	75-35-4	N.D.	0.001	1
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	1
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	1
10237	1,2-Dichloropropane	78-87-5	N.D.	0.001	1
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	1
10237	Freon 113	76-13-1	N.D.	0.002	1
10237	Methylene Chloride	75-09-2	N.D.	0.002	1
10237	Naphthalene	91-20-3	N.D.	0.001	1
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1
10237	Tetrachloroethene	127-18-4	N.D.	0.001	1
10237	Toluene	108-88-3	N.D.	0.001	1
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	1
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	1
10237	Trichloroethene	79-01-6	N.D.	0.001	1
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	1
10237	Vinyl Chloride	75-01-4	N.D.	0.001	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	0.00077	0.00066	1
10725	Acenaphthylene	208-96-8	0.00067	0.00033	1
10725	Anthracene	120-12-7	0.00051	0.00033	1
10725	Benzo(a)anthracene	56-55-3	0.0010	0.00066	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	1
10725	Benzo(b)fluoranthene	205-99-2	0.0085	0.00066	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0010	0.00066	1
10725	Benzo(k)fluoranthene	207-08-9	0.0012	0.00066	1
10725	Chrysene	218-01-9	0.0076	0.00033	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	1
10725	Fluoranthene	206-44-0	0.0047	0.00066	1
10725	Fluorene	86-73-7	0.00095	0.00066	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	0.0011	0.00066	1
10725	Naphthalene	91-20-3	0.0031	0.00066	1

Sample Description: SB-24-S-2.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988566
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:00 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB242

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Semivolatiles					
10725	Phenanthrene	85-01-8	0.0039	0.00066	1
10725	Pyrene	129-00-0	0.0019	0.00066	1
GC Volatiles					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.96
GC Petroleum Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
06949	Cadmium	7440-43-9	0.173	0.0430	1
01650	Calcium	7440-70-2	4,970	3.33	1
06951	Chromium	7440-47-3	49.2	0.0980	1
06955	Lead	7439-92-1	9.00	0.320	1
06961	Nickel	7440-02-0	51.7	0.230	1
06972	Zinc	7440-66-6	53.1	0.770	1

General Sample Comments

CA ELAP Lab Certification No. 2792
CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by	SW-846 8260B	1	B152232AA	08/12/2015 05:17	Christopher G Torres	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:37	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:54	Scott W Freisher	n.a.

Sample Description: SB-24-S-2.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988566
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:00 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB242

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	15218SLC026	08/12/2015 10:17	Brian K Graham	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	15218SLC026	08/06/2015 18:15	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/10/2015 21:53	Jeremy C Giffin	25.96
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:53	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 01:14	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 13:18	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1
06949	Cadmium	SW-846 6010B	1	152195708007	08/10/2015 20:32	Suzanne M Will	1
01650	Calcium	SW-846 6010B	1	152195708007	08/10/2015 20:32	Suzanne M Will	1
06951	Chromium	SW-846 6010B	1	152195708007	08/10/2015 20:32	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	152195708007	08/10/2015 20:32	Suzanne M Will	1
06961	Nickel	SW-846 6010B	1	152195708007	08/10/2015 20:32	Suzanne M Will	1
06972	Zinc	SW-846 6010B	1	152195708007	08/10/2015 20:32	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152195708007	08/10/2015 10:47	James L Mertz	1

Sample Description: **SB-24-S-5-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988567**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:10 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB245

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.05
10237	Bromodichloromethane	75-27-4	N.D.	0.001	1.05
10237	Bromoform	75-25-2	N.D.	0.001	1.05
10237	Bromomethane	74-83-9	N.D.	0.002	1.05
10237	Carbon Tetrachloride	56-23-5	N.D.	0.001	1.05
10237	Chlorobenzene	108-90-7	N.D.	0.001	1.05
10237	Chloroethane	75-00-3	N.D.	0.002	1.05
10237	Chloroform	67-66-3	N.D.	0.001	1.05
10237	Chloromethane	74-87-3	N.D.	0.002	1.05
10237	Dibromochloromethane	124-48-1	N.D.	0.001	1.05
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1.05
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1.05
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1.05
10237	1,1-Dichloroethane	75-34-3	N.D.	0.001	1.05
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	1.05
10237	1,1-Dichloroethene	75-35-4	N.D.	0.001	1.05
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	1.05
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	1.05
10237	1,2-Dichloropropane	78-87-5	N.D.	0.001	1.05
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1.05
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.05
10237	Freon 113	76-13-1	N.D.	0.002	1.05
10237	Methylene Chloride	75-09-2	N.D.	0.002	1.05
10237	Naphthalene	91-20-3	N.D.	0.001	1.05
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1.05
10237	Tetrachloroethene	127-18-4	N.D.	0.001	1.05
10237	Toluene	108-88-3	N.D.	0.001	1.05
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	1.05
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	1.05
10237	Trichloroethene	79-01-6	N.D.	0.001	1.05
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	1.05
10237	Vinyl Chloride	75-01-4	N.D.	0.001	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.05
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00067	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	1
10725	Anthracene	120-12-7	N.D.	0.00033	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	1
10725	Benzo(b)fluoranthene	205-99-2	0.0011	0.00067	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	1
10725	Chrysene	218-01-9	0.00046	0.00033	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	1
10725	Fluorene	86-73-7	N.D.	0.00067	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	1
10725	Naphthalene	91-20-3	N.D.	0.00067	1

Sample Description: **SB-24-S-5-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988567**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:10 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB245

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Semivolatiles					
	SW-846 8270C SIM		mg/kg	mg/kg	
10725	Phenanthrene	85-01-8	N.D.	0.00067	1
10725	Pyrene	129-00-0	N.D.	0.00067	1
GC Volatiles					
	SW-846 8015B modified		mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.05
GC Petroleum					
	SW-846 8015B		mg/kg	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	3.9	1
13260	Total TPH	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum					
	SW-846 8015B		mg/kg	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
	SW-846 6010B		mg/kg	mg/kg	
06949	Cadmium	7440-43-9	0.0608	0.0422	1
01650	Calcium	7440-70-2	4,460	3.26	1
06951	Chromium	7440-47-3	50.4	0.0961	1
06955	Lead	7439-92-1	7.99	0.314	1
06961	Nickel	7440-02-0	47.5	0.225	1
06972	Zinc	7440-66-6	51.1	0.755	1

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B152232AA	08/12/2015 07:10	Christopher G Torres	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:58	Scott W Freisher	n.a.

Sample Description: SB-24-S-5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988567
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:10 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB245

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	15218SLC026	08/12/2015 06:56	Brian K Graham	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	15218SLC026	08/06/2015 18:15	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/10/2015 22:28	Jeremy C Giffin	25.05
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/01/2015 23:57	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 01:35	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 13:38	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1
06949	Cadmium	SW-846 6010B	1	152195708007	08/10/2015 20:35	Suzanne M Will	1
01650	Calcium	SW-846 6010B	1	152195708007	08/10/2015 20:35	Suzanne M Will	1
06951	Chromium	SW-846 6010B	1	152195708007	08/10/2015 20:35	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	152195708007	08/10/2015 20:35	Suzanne M Will	1
06961	Nickel	SW-846 6010B	1	152195708007	08/10/2015 20:35	Suzanne M Will	1
06972	Zinc	SW-846 6010B	1	152195708007	08/10/2015 20:35	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152195708007	08/10/2015 10:47	James L Mertz	1

Sample Description: **SB-24-S-7.5-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988568**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:20 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB247

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.98
10237	Bromodichloromethane	75-27-4	N.D.	0.001	0.98
10237	Bromoform	75-25-2	N.D.	0.001	0.98
10237	Bromomethane	74-83-9	N.D.	0.002	0.98
10237	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.98
10237	Chlorobenzene	108-90-7	N.D.	0.001	0.98
10237	Chloroethane	75-00-3	N.D.	0.002	0.98
10237	Chloroform	67-66-3	N.D.	0.001	0.98
10237	Chloromethane	74-87-3	N.D.	0.002	0.98
10237	Dibromochloromethane	124-48-1	N.D.	0.001	0.98
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.98
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.98
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.98
10237	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.98
10237	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.98
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.98
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.98
10237	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.98
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.98
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.98
10237	Freon 113	76-13-1	N.D.	0.002	0.98
10237	Methylene Chloride	75-09-2	N.D.	0.002	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	0.98
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.98
10237	Tetrachloroethene	127-18-4	N.D.	0.001	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.98
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.98
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.98
10237	Trichloroethene	79-01-6	N.D.	0.001	0.98
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.98
10237	Vinyl Chloride	75-01-4	N.D.	0.001	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.98
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00066	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	1
10725	Anthracene	120-12-7	N.D.	0.00033	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	1
10725	Chrysene	218-01-9	N.D.	0.00033	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	1
10725	Fluorene	86-73-7	N.D.	0.00066	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	1
10725	Naphthalene	91-20-3	N.D.	0.00066	1

Sample Description: SB-24-S-7.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988568
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:20 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB247

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Semivolatiles					
	SW-846 8270C SIM		mg/kg	mg/kg	
10725	Phenanthrene	85-01-8	N.D.	0.00066	1
10725	Pyrene	129-00-0	N.D.	0.00066	1
GC Volatiles					
	SW-846 8015B modified		mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.28
GC Petroleum Hydrocarbons					
	SW-846 8015B		mg/kg	mg/kg	
13260	C18-C40	n.a.	N.D.	3.9	1
13260	Total TPH	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si					
	SW-846 8015B		mg/kg	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
	SW-846 6010B		mg/kg	mg/kg	
06949	Cadmium	7440-43-9	0.101	0.0426	1
01650	Calcium	7440-70-2	3,320	3.30	1
06951	Chromium	7440-47-3	38.9	0.0970	1
06955	Lead	7439-92-1	6.57	0.317	1
06961	Nickel	7440-02-0	43.6	0.228	1
06972	Zinc	7440-66-6	39.1	0.762	1

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B152232AA	08/12/2015 05:39	Christopher G Torres	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:00	Scott W Freisher	n.a.

Sample Description: SB-24-S-7.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988568
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:20 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

SB247

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	15218SLC026	08/12/2015 07:30	Brian K Graham	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	15218SLC026	08/06/2015 18:15	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/10/2015 23:04	Jeremy C Giffin	25.28
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:01	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 01:57	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 14:00	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1
06949	Cadmium	SW-846 6010B	1	152195708007	08/10/2015 20:39	Suzanne M Will	1
01650	Calcium	SW-846 6010B	1	152195708007	08/10/2015 20:39	Suzanne M Will	1
06951	Chromium	SW-846 6010B	1	152195708007	08/10/2015 20:39	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	152195708007	08/10/2015 20:39	Suzanne M Will	1
06961	Nickel	SW-846 6010B	1	152195708007	08/10/2015 20:39	Suzanne M Will	1
06972	Zinc	SW-846 6010B	1	152195708007	08/10/2015 20:39	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152195708007	08/10/2015 10:47	James L Mertz	1

Sample Description: **SB-24-S-10-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988569**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:30 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2410

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.07
10237	Bromodichloromethane	75-27-4	N.D.	0.001	1.07
10237	Bromoform	75-25-2	N.D.	0.001	1.07
10237	Bromomethane	74-83-9	N.D.	0.002	1.07
10237	Carbon Tetrachloride	56-23-5	N.D.	0.001	1.07
10237	Chlorobenzene	108-90-7	N.D.	0.001	1.07
10237	Chloroethane	75-00-3	N.D.	0.002	1.07
10237	Chloroform	67-66-3	N.D.	0.001	1.07
10237	Chloromethane	74-87-3	N.D.	0.002	1.07
10237	Dibromochloromethane	124-48-1	N.D.	0.001	1.07
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1.07
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1.07
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1.07
10237	1,1-Dichloroethane	75-34-3	N.D.	0.001	1.07
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	1.07
10237	1,1-Dichloroethene	75-35-4	N.D.	0.001	1.07
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	1.07
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	1.07
10237	1,2-Dichloropropane	78-87-5	N.D.	0.001	1.07
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1.07
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1.07
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.07
10237	Freon 113	76-13-1	N.D.	0.002	1.07
10237	Methylene Chloride	75-09-2	N.D.	0.002	1.07
10237	Naphthalene	91-20-3	N.D.	0.001	1.07
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1.07
10237	Tetrachloroethene	127-18-4	N.D.	0.001	1.07
10237	Toluene	108-88-3	N.D.	0.001	1.07
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	1.07
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	1.07
10237	Trichloroethene	79-01-6	N.D.	0.001	1.07
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	1.07
10237	Vinyl Chloride	75-01-4	N.D.	0.001	1.07
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.07
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	0.0021	0.00066	1
10725	Acenaphthylene	208-96-8	0.0015	0.00033	1
10725	Anthracene	120-12-7	0.0011	0.00033	1
10725	Benzo(a)anthracene	56-55-3	0.00094	0.00066	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00073	0.00066	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	1
10725	Chrysene	218-01-9	0.00080	0.00033	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	1
10725	Fluoranthene	206-44-0	0.0020	0.00066	1
10725	Fluorene	86-73-7	0.0037	0.00066	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	1
10725	Naphthalene	91-20-3	0.0065	0.00066	1

Sample Description: **SB-24-S-10-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988569**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:30 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2410

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM mg/kg mg/kg					
10725	Phenanthrene	85-01-8	0.0078	0.00066	1
10725	Pyrene	129-00-0	0.0019	0.00066	1
GC Volatiles SW-846 8015B modified mg/kg mg/kg					
01725	TPH-GRO N. CA soil C6-C12	n.a.	11	3.7	186.74
GC Petroleum SW-846 8015B mg/kg mg/kg					
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum SW-846 8015B mg/kg mg/kg					
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B mg/kg mg/kg					
06949	Cadmium	7440-43-9	0.138	0.0430	1
01650	Calcium	7440-70-2	5,070	3.33	1
06951	Chromium	7440-47-3	56.7	0.0980	1
06955	Lead	7439-92-1	8.46	0.320	1
06961	Nickel	7440-02-0	62.7	0.230	1
06972	Zinc	7440-66-6	59.4	0.770	1

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B152241AA	08/12/2015 20:19	Angela D Sneeringer	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:24	Scott W Freisher	n.a.

Sample Description: SB-24-S-10-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988569
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:30 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2410

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	15218SLC026	08/12/2015 08:03	Brian K Graham	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	15218SLC026	08/06/2015 18:15	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 03:10	Jeremy C Giffin	186.74
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:25	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 02:18	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 14:21	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1
06949	Cadmium	SW-846 6010B	1	152195708007	08/10/2015 20:42	Suzanne M Will	1
01650	Calcium	SW-846 6010B	1	152195708007	08/10/2015 20:42	Suzanne M Will	1
06951	Chromium	SW-846 6010B	1	152195708007	08/10/2015 20:42	Suzanne M Will	1
06955	Lead	SW-846 6010B	1	152195708007	08/10/2015 20:42	Suzanne M Will	1
06961	Nickel	SW-846 6010B	1	152195708007	08/10/2015 20:42	Suzanne M Will	1
06972	Zinc	SW-846 6010B	1	152195708007	08/10/2015 20:42	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152195708007	08/10/2015 10:47	James L Mertz	1

Sample Description: **SB-24-S-12.5-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988570**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:35 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2412

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.04
10237	Bromodichloromethane	75-27-4	N.D.	0.001	1.04
10237	Bromoform	75-25-2	N.D.	0.001	1.04
10237	Bromomethane	74-83-9	N.D.	0.002	1.04
10237	Carbon Tetrachloride	56-23-5	N.D.	0.001	1.04
10237	Chlorobenzene	108-90-7	N.D.	0.001	1.04
10237	Chloroethane	75-00-3	N.D.	0.002	1.04
10237	Chloroform	67-66-3	N.D.	0.001	1.04
10237	Chloromethane	74-87-3	N.D.	0.002	1.04
10237	Dibromochloromethane	124-48-1	N.D.	0.001	1.04
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1.04
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1.04
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1.04
10237	1,1-Dichloroethane	75-34-3	N.D.	0.001	1.04
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	1.04
10237	1,1-Dichloroethene	75-35-4	N.D.	0.001	1.04
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	1.04
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	1.04
10237	1,2-Dichloropropane	78-87-5	N.D.	0.001	1.04
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1.04
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1.04
10237	Ethylbenzene	100-41-4	0.020	0.001	1.04
10237	Freon 113	76-13-1	N.D.	0.002	1.04
10237	Methylene Chloride	75-09-2	N.D.	0.002	1.04
10237	Naphthalene	91-20-3	0.014	0.001	1.04
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1.04
10237	Tetrachloroethene	127-18-4	N.D.	0.001	1.04
10237	Toluene	108-88-3	N.D.	0.001	1.04
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	1.04
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	1.04
10237	Trichloroethene	79-01-6	N.D.	0.001	1.04
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	1.04
10237	Vinyl Chloride	75-01-4	N.D.	0.001	1.04
10237	Xylene (Total)	1330-20-7	0.002	0.001	1.04
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00066	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	1
10725	Anthracene	120-12-7	0.00056	0.00033	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	1
10725	Chrysene	218-01-9	0.00043	0.00033	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	1
10725	Fluoranthene	206-44-0	0.00085	0.00066	1
10725	Fluorene	86-73-7	N.D.	0.00066	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	1
10725	Naphthalene	91-20-3	0.0023	0.00066	1

Sample Description: SB-24-S-12.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988570
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:35 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2412

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Semivolatiles					
10725	Phenanthrene	85-01-8	0.0012	0.00066	1
10725	Pyrene	129-00-0	0.0011	0.00066	1
GC Volatiles					
01725	TPH-GRO N. CA soil C6-C12	n.a.	9.5	0.5	25.2
GC Petroleum Hydrocarbons					
13260	C18-C40	n.a.	N.D.	3.9	1
13260	Total TPH	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
06949	Cadmium	7440-43-9	N.D.	0.0422	1
01650	Calcium	7440-70-2	4,620	3.26	1
06951	Chromium	7440-47-3	60.9	0.0961	1
06955	Lead	7439-92-1	7.29	0.314	1
06961	Nickel	7440-02-0	47.8	0.225	1
06972	Zinc	7440-66-6	55.8	0.755	1

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B152241AA	08/12/2015 20:42	Angela D Sneeringer	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:28	Scott W Freisher	n.a.

Sample Description: SB-24-S-12.5-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988570
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:35 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2412

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	15218SLC026	08/12/2015 08:37	Brian K Graham	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	15218SLC026	08/06/2015 18:15	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15222A34A	08/12/2015 01:04	Jeremy C Giffin	25.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:26	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 02:39	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 14:42	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1
06949	Cadmium	SW-846 6010B	1	152225708002	08/11/2015 08:47	Joanne M Gates	1
01650	Calcium	SW-846 6010B	1	152225708002	08/11/2015 08:47	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	152225708002	08/11/2015 08:47	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	152225708002	08/11/2015 08:47	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	152225708002	08/11/2015 08:47	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	152225708002	08/11/2015 08:47	Joanne M Gates	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152225708002	08/10/2015 22:45	Annamaria Kuhns	1

Sample Description: **SB-24-S-15-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988571**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:40 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2415

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.95
10237	Bromodichloromethane	75-27-4	N.D.	0.0009	0.95
10237	Bromoform	75-25-2	N.D.	0.0009	0.95
10237	Bromomethane	74-83-9	N.D.	0.002	0.95
10237	Carbon Tetrachloride	56-23-5	N.D.	0.0009	0.95
10237	Chlorobenzene	108-90-7	N.D.	0.0009	0.95
10237	Chloroethane	75-00-3	N.D.	0.002	0.95
10237	Chloroform	67-66-3	N.D.	0.0009	0.95
10237	Chloromethane	74-87-3	N.D.	0.002	0.95
10237	Dibromochloromethane	124-48-1	N.D.	0.0009	0.95
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.0009	0.95
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.0009	0.95
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.0009	0.95
10237	1,1-Dichloroethane	75-34-3	N.D.	0.0009	0.95
10237	1,2-Dichloroethane	107-06-2	N.D.	0.0009	0.95
10237	1,1-Dichloroethene	75-35-4	N.D.	0.0009	0.95
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0009	0.95
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0009	0.95
10237	1,2-Dichloropropane	78-87-5	N.D.	0.0009	0.95
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0009	0.95
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0009	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.95
10237	Freon 113	76-13-1	N.D.	0.002	0.95
10237	Methylene Chloride	75-09-2	N.D.	0.002	0.95
10237	Naphthalene	91-20-3	N.D.	0.0009	0.95
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0009	0.95
10237	Tetrachloroethene	127-18-4	N.D.	0.0009	0.95
10237	Toluene	108-88-3	N.D.	0.0009	0.95
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.0009	0.95
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.0009	0.95
10237	Trichloroethene	79-01-6	N.D.	0.0009	0.95
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.95
10237	Vinyl Chloride	75-01-4	N.D.	0.0009	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.95
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00066	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	1
10725	Anthracene	120-12-7	N.D.	0.00033	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	1
10725	Chrysene	218-01-9	N.D.	0.00033	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	1
10725	Fluorene	86-73-7	N.D.	0.00066	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	1
10725	Naphthalene	91-20-3	0.0011	0.00066	1

Sample Description: SB-24-S-15-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988571
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:40 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2415

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Semivolatiles					
10725	Phenanthrene	85-01-8	N.D.	0.00066	1
10725	Pyrene	129-00-0	N.D.	0.00066	1
GC Volatiles					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.95
GC Petroleum Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
Metals					
06949	Cadmium	7440-43-9	N.D.	0.0422	1
01650	Calcium	7440-70-2	3,030	3.26	1
06951	Chromium	7440-47-3	43.7	0.0961	1
06955	Lead	7439-92-1	5.74	0.314	1
06961	Nickel	7440-02-0	32.6	0.225	1
06972	Zinc	7440-66-6	35.4	0.755	1

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B152232AA	08/12/2015 06:02	Christopher G Torres	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:30	Scott W Freisher	n.a.

Sample Description: SB-24-S-15-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988571
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:40 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2415

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	15218SLC026	08/12/2015 09:10	Brian K Graham	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	15218SLC026	08/06/2015 18:15	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/10/2015 23:39	Jeremy C Giffin	24.95
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:29	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 03:01	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 15:03	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1
06949	Cadmium	SW-846 6010B	1	152225708002	08/11/2015 08:51	Joanne M Gates	1
01650	Calcium	SW-846 6010B	1	152225708002	08/11/2015 08:51	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	152225708002	08/11/2015 08:51	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	152225708002	08/11/2015 08:51	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	152225708002	08/11/2015 08:51	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	152225708002	08/11/2015 08:51	Joanne M Gates	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152225708002	08/10/2015 22:45	Annamaria Kuhns	1

Sample Description: **SB-24-S-20-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988572**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:45 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2420

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.02
10237	Bromodichloromethane	75-27-4	N.D.	0.001	1.02
10237	Bromoform	75-25-2	N.D.	0.001	1.02
10237	Bromomethane	74-83-9	N.D.	0.002	1.02
10237	Carbon Tetrachloride	56-23-5	N.D.	0.001	1.02
10237	Chlorobenzene	108-90-7	N.D.	0.001	1.02
10237	Chloroethane	75-00-3	N.D.	0.002	1.02
10237	Chloroform	67-66-3	N.D.	0.001	1.02
10237	Chloromethane	74-87-3	N.D.	0.002	1.02
10237	Dibromochloromethane	124-48-1	N.D.	0.001	1.02
10237	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1.02
10237	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1.02
10237	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1.02
10237	1,1-Dichloroethane	75-34-3	N.D.	0.001	1.02
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	1.02
10237	1,1-Dichloroethene	75-35-4	N.D.	0.001	1.02
10237	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	1.02
10237	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	1.02
10237	1,2-Dichloropropane	78-87-5	N.D.	0.001	1.02
10237	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1.02
10237	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.02
10237	Freon 113	76-13-1	N.D.	0.002	1.02
10237	Methylene Chloride	75-09-2	N.D.	0.002	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	1.02
10237	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1.02
10237	Tetrachloroethene	127-18-4	N.D.	0.001	1.02
10237	Toluene	108-88-3	N.D.	0.001	1.02
10237	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	1.02
10237	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	1.02
10237	Trichloroethene	79-01-6	N.D.	0.001	1.02
10237	Trichlorofluoromethane	75-69-4	N.D.	0.002	1.02
10237	Vinyl Chloride	75-01-4	N.D.	0.001	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.02
GC/MS Semivolatiles SW-846 8270C SIM			mg/kg	mg/kg	
10725	Acenaphthene	83-32-9	N.D.	0.00066	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	1
10725	Anthracene	120-12-7	N.D.	0.00033	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	1
10725	Chrysene	218-01-9	N.D.	0.00033	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	1
10725	Fluorene	86-73-7	N.D.	0.00066	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	1
10725	Naphthalene	91-20-3	0.0020	0.00066	1

Sample Description: **SB-24-S-20-150729 Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988572**
 LL Group # **1581288**
 Account # **10869**

Project Name: **91723**

Collected: 07/29/2015 14:45 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2420

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Semivolatiles SW-846 8270C SIM mg/kg mg/kg					
10725	Phenanthrene	85-01-8	N.D.	0.00066	1
10725	Pyrene	129-00-0	N.D.	0.00066	1
GC Volatiles SW-846 8015B modified mg/kg mg/kg					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.51
GC Petroleum SW-846 8015B mg/kg mg/kg					
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	3.9	1
13260	Total TPH	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum SW-846 8015B mg/kg mg/kg					
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
Metals SW-846 6010B mg/kg mg/kg					
06949	Cadmium	7440-43-9	0.128	0.0426	1
01650	Calcium	7440-70-2	22,500	3.30	1
06951	Chromium	7440-47-3	43.6	0.0970	1
06955	Lead	7439-92-1	6.96	0.317	1
06961	Nickel	7440-02-0	48.6	0.228	1
06972	Zinc	7440-66-6	44.3	0.762	1

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs- Solid by 8260B	SW-846 8260B	1	B152232AA	08/12/2015 07:32	Christopher G Torres	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521438440	08/02/2015 00:38	Scott W Freisher	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:33	Scott W Freisher	n.a.

Sample Description: SB-24-S-20-150729 Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988572
LL Group # 1581288
Account # 10869

Project Name: 91723

Collected: 07/29/2015 14:45 by DO

ChevronTexaco

L4310

Submitted: 07/31/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 10/08/2015 14:43

San Ramon CA 94583

S2420

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	15218SLC026	08/12/2015 09:44	Brian K Graham	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	15218SLC026	08/06/2015 18:15	Shawn J McMullen	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15221A34A	08/11/2015 00:14	Jeremy C Giffin	25.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521438440	08/02/2015 00:33	Scott W Freisher	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152200002A	08/13/2015 03:22	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152200001A	08/13/2015 15:24	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152200001A	08/09/2015 08:30	Olivia Arosemena	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152200002A	08/09/2015 08:30	Olivia Arosemena	1
06949	Cadmium	SW-846 6010B	1	152225708002	08/11/2015 08:55	Joanne M Gates	1
01650	Calcium	SW-846 6010B	1	152225708002	08/11/2015 08:55	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	152225708002	08/11/2015 08:55	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	152225708002	08/11/2015 08:55	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	152225708002	08/11/2015 08:55	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	152225708002	08/11/2015 08:55	Joanne M Gates	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152225708002	08/10/2015 22:45	Annamaria Kuhns	1

REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: B152232AA	Sample number(s): 7988558,7988560-7988561,7988565-7988568,7988571-7988572							
Benzene	N.D.	0.0005	mg/kg	102	99	80-120	3	30
Bromodichloromethane	N.D.	0.001	mg/kg	95	94	75-120	1	30
Bromoform	N.D.	0.001	mg/kg	93	88	64-120	6	30
Bromomethane	N.D.	0.002	mg/kg	91	89	41-144	2	30
Carbon Tetrachloride	N.D.	0.001	mg/kg	99	98	69-130	1	30
Chlorobenzene	N.D.	0.001	mg/kg	100	97	80-120	4	30
Chloroethane	N.D.	0.002	mg/kg	90	88	38-142	2	30
Chloroform	N.D.	0.001	mg/kg	104	100	80-120	3	30
Chloromethane	N.D.	0.002	mg/kg	90	89	56-120	1	30
Dibromochloromethane	N.D.	0.001	mg/kg	96	91	77-120	5	30
1,2-Dichlorobenzene	N.D.	0.001	mg/kg	102	99	80-120	3	30
1,3-Dichlorobenzene	N.D.	0.001	mg/kg	99	96	80-120	3	30
1,4-Dichlorobenzene	N.D.	0.001	mg/kg	101	97	80-120	4	30
1,1-Dichloroethane	N.D.	0.001	mg/kg	100	98	77-120	3	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	105	101	77-130	4	30
1,1-Dichloroethene	N.D.	0.001	mg/kg	96	94	73-129	2	30
cis-1,2-Dichloroethene	N.D.	0.001	mg/kg	105	100	80-120	5	30
trans-1,2-Dichloroethene	N.D.	0.001	mg/kg	107	98	79-122	9	30
1,2-Dichloropropane	N.D.	0.001	mg/kg	103	99	76-120	3	30
cis-1,3-Dichloropropene	N.D.	0.001	mg/kg	98	95	74-120	3	30
trans-1,3-Dichloropropene	N.D.	0.001	mg/kg	100	92	76-120	8	30
Ethylbenzene	N.D.	0.001	mg/kg	102	98	80-120	4	30
Freon 113	N.D.	0.002	mg/kg	94	91	54-123	3	30
Methylene Chloride	N.D.	0.002	mg/kg	119	107	80-124	10	30
Naphthalene	N.D.	0.001	mg/kg	107	96	64-120	11	30
1,1,2,2-Tetrachloroethane	N.D.	0.001	mg/kg	104	92	72-120	13	30
Tetrachloroethene	N.D.	0.001	mg/kg	104	100	78-120	4	30
Toluene	N.D.	0.001	mg/kg	101	98	80-120	4	30
1,1,1-Trichloroethane	N.D.	0.001	mg/kg	96	93	66-126	3	30
1,1,2-Trichloroethane	N.D.	0.001	mg/kg	102	96	80-120	6	30
Trichloroethene	N.D.	0.001	mg/kg	101	100	80-120	1	30
Trichlorofluoromethane	N.D.	0.002	mg/kg	90	88	58-133	3	30
Vinyl Chloride	N.D.	0.001	mg/kg	93	90	59-120	2	30
Xylene (Total)	N.D.	0.001	mg/kg	100	97	80-120	3	30
Batch number: B152241AA	Sample number(s): 7988543-7988547,7988550-7988551,7988553,7988559,7988564,7988569-7988570							
Benzene	N.D.	0.0005	mg/kg	107	106	80-120	2	30
Bromodichloromethane	N.D.	0.001	mg/kg	101	100	75-120	1	30
Bromoform	N.D.	0.001	mg/kg	94	95	64-120	1	30
Bromomethane	N.D.	0.002	mg/kg	99	99	41-144	0	30
Carbon Tetrachloride	N.D.	0.001	mg/kg	109	107	69-130	2	30
Chlorobenzene	N.D.	0.001	mg/kg	108	106	80-120	2	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chloroethane	N.D.	0.002	mg/kg	98	98	38-142	0	30
Chloroform	N.D.	0.001	mg/kg	110	108	80-120	2	30
Chloromethane	N.D.	0.002	mg/kg	95	96	56-120	1	30
Dibromochloromethane	N.D.	0.001	mg/kg	100	101	77-120	0	30
1,2-Dichlorobenzene	N.D.	0.001	mg/kg	108	108	80-120	0	30
1,3-Dichlorobenzene	N.D.	0.001	mg/kg	106	106	80-120	0	30
1,4-Dichlorobenzene	N.D.	0.001	mg/kg	107	106	80-120	1	30
1,1-Dichloroethane	N.D.	0.001	mg/kg	104	104	77-120	1	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	108	109	77-130	2	30
1,1-Dichloroethene	N.D.	0.001	mg/kg	107	104	73-129	2	30
cis-1,2-Dichloroethene	N.D.	0.001	mg/kg	107	108	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.001	mg/kg	108	113	79-122	5	30
1,2-Dichloropropane	N.D.	0.001	mg/kg	106	106	76-120	0	30
cis-1,3-Dichloropropene	N.D.	0.001	mg/kg	100	101	74-120	1	30
trans-1,3-Dichloropropene	N.D.	0.001	mg/kg	101	102	76-120	1	30
Ethylbenzene	N.D.	0.001	mg/kg	109	108	80-120	1	30
Freon 113	N.D.	0.002	mg/kg	111	109	54-123	2	30
Methylene Chloride	N.D.	0.002	mg/kg	114	110	80-124	3	30
Naphthalene	N.D.	0.001	mg/kg	107	108	64-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	0.001	mg/kg	102	100	72-120	1	30
Tetrachloroethene	N.D.	0.001	mg/kg	114	113	78-120	0	30
Toluene	N.D.	0.001	mg/kg	109	107	80-120	2	30
1,1,1-Trichloroethane	N.D.	0.001	mg/kg	105	101	66-126	4	30
1,1,2-Trichloroethane	N.D.	0.001	mg/kg	107	106	80-120	0	30
Trichloroethene	N.D.	0.001	mg/kg	108	106	80-120	1	30
Trichlorofluoromethane	N.D.	0.002	mg/kg	108	105	58-133	2	30
Vinyl Chloride	N.D.	0.001	mg/kg	100	99	59-120	0	30
Xylene (Total)	N.D.	0.001	mg/kg	108	107	80-120	1	30

Batch number: Q152232AA

Sample number(s): 7988539-7988540,7988552,7988554-7988555,7988557,7988562-7988563

Benzene	N.D.	0.025	mg/kg	98	110	80-120	12	30
Ethylbenzene	N.D.	0.050	mg/kg	89	99	80-120	10	30
Naphthalene	N.D.	0.050	mg/kg	90	88	64-120	3	30
Toluene	N.D.	0.050	mg/kg	97	107	80-120	10	30
Xylene (Total)	N.D.	0.050	mg/kg	90	99	80-120	10	30

Batch number: Q152241AA

Sample number(s): 7988538,7988541-7988542,7988548-7988549,7988556

Benzene	N.D.	0.025	mg/kg	99	104	80-120	5	30
Ethylbenzene	N.D.	0.050	mg/kg	89	96	80-120	7	30
Naphthalene	N.D.	0.050	mg/kg	79	88	64-120	11	30
Toluene	N.D.	0.050	mg/kg	97	102	80-120	6	30
Xylene (Total)	N.D.	0.050	mg/kg	89	96	80-120	7	30

Batch number: 15218SLC026

Sample number(s): 7988566-7988572

Acenaphthene	N.D.	0.00067	mg/kg			72-118		
Acenaphthylene	N.D.	0.00033	mg/kg	83		74-114		
Anthracene	N.D.	0.00033	mg/kg	94		70-118		
Benzo(a)anthracene	N.D.	0.00067	mg/kg	100		75-119		
Benzo(a)pyrene	N.D.	0.00067	mg/kg	93		77-114		
Benzo(b)fluoranthene	N.D.	0.00067	mg/kg	106		74-140		
Benzo(g,h,i)perylene	N.D.	0.00067	mg/kg	86		79-121		
Benzo(k)fluoranthene	N.D.	0.00067	mg/kg	95		74-115		
Chrysene	N.D.	0.00033	mg/kg	100		76-122		
Dibenz(a,h)anthracene	N.D.	0.00067	mg/kg	86		77-126		
Fluoranthene	N.D.	0.00067	mg/kg	103		64-128		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Fluorene	N.D.	0.00067	mg/kg	100		75-124		
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	mg/kg	83		77-122		
Naphthalene	N.D.	0.00067	mg/kg	92		76-118		
Phenanthrene	N.D.	0.00067	mg/kg	91		70-119		
Pyrene	N.D.	0.00067	mg/kg	80		67-116		
Batch number: 15217A31A	Sample number(s): 7988552-7988553,7988555-7988562							
TPH-GRO N. CA soil C6-C12	N.D.	0.5	mg/kg	78	83	73-120	6	30
Batch number: 15217A31B	Sample number(s): 7988554							
TPH-GRO N. CA soil C6-C12	N.D.	0.5	mg/kg	78	83	73-120	6	30
Batch number: 15221A34A	Sample number(s): 7988538-7988545,7988563-7988569,7988571-7988572							
TPH-GRO N. CA soil C6-C12	N.D.	0.5	mg/kg	75	74	73-120	1	30
Batch number: 15222A34A	Sample number(s): 7988546-7988551,7988570							
TPH-GRO N. CA soil C6-C12	N.D.	0.5	mg/kg	76	75	73-120	1	30
Batch number: 152130023A	Sample number(s): 7988538-7988542							
C18-C40	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	81		64-122		
Batch number: 152190014A	Sample number(s): 7988543-7988562							
C18-C40	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	86		64-122		
Batch number: 152200002A	Sample number(s): 7988563-7988572							
C18-C40	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	98		64-122		
Batch number: 152130022A	Sample number(s): 7988538-7988542							
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	mg/kg	85		59-120		
Batch number: 152190013A	Sample number(s): 7988543-7988562							
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	mg/kg	86		59-120		
Batch number: 152200001A	Sample number(s): 7988563-7988572							
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	mg/kg	79		59-120		
Batch number: 152195708007	Sample number(s): 7988566-7988569							
Cadmium	0.0540	0.0430	mg/kg	101		80-120		
Calcium	5.84	3.33	mg/kg	102		80-120		
Chromium	N.D.	0.0980	mg/kg	97		80-120		
Lead	N.D.	0.320	mg/kg	101		80-120		
Nickel	N.D.	0.230	mg/kg	102		80-120		
Zinc	N.D.	0.770	mg/kg	99		80-120		
Batch number: 152225708002	Sample number(s): 7988570-7988572							
Cadmium	N.D.	0.0430	mg/kg	103		80-120		
Calcium	3.49	3.33	mg/kg	103		80-120		
Chromium	N.D.	0.0980	mg/kg	102		80-120		
Lead	N.D.	0.320	mg/kg	106		80-120		
Nickel	N.D.	0.230	mg/kg	105		80-120		
Zinc	N.D.	0.770	mg/kg	101		80-120		

*- Outside of specification

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REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 15218SLC026	Sample number(s): 7988566-7988572 UNSPK: 7988566								
Acenaphthene	93	91	72-118	2	30				
Acenaphthylene	81	79	74-114	1	30				
Anthracene	91	91	70-118	0	30				
Benzo(a)anthracene	101	99	75-119	1	30				
Benzo(a)pyrene	91	90	77-114	0	30				
Benzo(b)fluoranthene	105	101	74-140	2	30				
Benzo(g,h,i)perylene	66*	63*	79-121	4	30				
Benzo(k)fluoranthene	89	88	74-115	0	30				
Chrysene	94	90	76-122	2	30				
Dibenz(a,h)anthracene	76*	72*	77-126	4	30				
Fluoranthene	101	93	64-128	6	30				
Fluorene	98	94	75-124	2	30				
Indeno(1,2,3-cd)pyrene	71*	68*	77-122	3	30				
Naphthalene	87	84	76-118	2	30				
Phenanthrene	89	87	70-119	1	30				
Pyrene	76	75	67-116	0	30				
Batch number: 152130023A	Sample number(s): 7988538-7988542 UNSPK: P988278 BKG: P988278								
C18-C40						N.D.	N.D.	0 (1)	20
Total TPH	84		31-131			N.D.	N.D.	0 (1)	20
Batch number: 152190014A	Sample number(s): 7988543-7988562 UNSPK: 7988543 BKG: 7988543								
C18-C40						93	110	21*	20
Total TPH	71		31-131			93	110	21*	20
Batch number: 152200002A	Sample number(s): 7988563-7988572 UNSPK: 7988563 BKG: 7988563								
C18-C40						69	51	31* (1)	20
Total TPH	89		31-131			69	51	31* (1)	20
Batch number: 152130022A	Sample number(s): 7988538-7988542 UNSPK: P988278 BKG: P988278								
TPH-DRO soil C10-C28 w/Si Gel	90		30-159			N.D.	N.D.	0 (1)	20
Batch number: 152190013A	Sample number(s): 7988543-7988562 UNSPK: 7988543 BKG: 7988543								
TPH-DRO soil C10-C28 w/Si Gel	149		30-159			76	66	13	20
Batch number: 152200001A	Sample number(s): 7988563-7988572 UNSPK: 7988563 BKG: 7988563								
TPH-DRO soil C10-C28 w/Si Gel	97		30-159			73	81	11	20
Batch number: 152195708007	Sample number(s): 7988566-7988569 UNSPK: P977813 BKG: P977813								
Cadmium	90	92	75-125	5	20	0.255	0.104	84* (1)	20
Calcium	241 (2)	156 (2)	75-125	13	20	1,610	1,440	11	20
Chromium	119	127*	75-125	5	20	21.0	19.9	5	20
Lead	97	121	75-125	9	20	30.5	34.5	13	20
Nickel	97	102	75-125	6	20	11.6	9.93	15	20
Zinc	84	87	75-125	3	20	56.3	45.3	22*	20
Batch number: 152225708002	Sample number(s): 7988570-7988572 UNSPK: P992693 BKG: P992693								

*- Outside of specification

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REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u>	<u>MSD</u>	<u>MS/MSD</u>	<u>RPD</u>	<u>RPD</u>	<u>BKG</u>	<u>DUP</u>	<u>DUP</u>	<u>Dup RPD</u>
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
Cadmium	99	98	75-125	1	20	N.D.	N.D.	0 (1)	20
Calcium	103	100	75-125	2	20	70.5	71.8	2 (1)	20
Chromium	107	110	75-125	2	20	6.15	6.05	2 (1)	20
Lead	103	103	75-125	0	20	3.40	3.25	5 (1)	20
Nickel	103	102	75-125	0	20	1.41	1.37	3 (1)	20
Zinc	101	101	75-125	0	20	3.81	3.61	5 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- Solid by 8260B
Batch number: B152232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988558	104	95	99	96
7988560	101	95	99	95
7988561	101	93	96	95
7988565	103	97	101	102
7988566	103	97	102	91
7988567	102	95	100	95
7988568	103	96	100	97
7988571	105	97	97	95
7988572	101	93	98	93
Blank	100	97	99	96
LCS	102	103	101	102
LCSD	102	104	99	102
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs- Solid by 8260B
Batch number: B152241AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988543	100	92	103	97
7988544	105	104	96	96
7988545	104	101	99	97
7988546	107	106	96	94
7988547	102	97	99	100
7988550	104	100	99	101
7988551	104	101	96	96
7988553	104	105	99	102
7988559	103	100	97	98
7988564	103	97	99	110
7988569	103	102	99	106
7988570	102	99	101	105
Blank	102	104	99	97
LCS	103	99	101	101
LCSD	100	100	101	100
Limits:	50-141	54-135	52-141	50-131

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

Surrogate Quality Control

Analysis Name: BTEX/Naphthalene - Soil
Batch number: Q152232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988539	79	86	87	85
7988540	82	88	82	79
7988552	86	92	86	83
7988554	81	88	89	85
7988555	88	91	94	87
7988557	95	99	100	98
7988562	82	88	89	88
7988563	83	89	95	88
Blank	102	109	108	101
LCS	92	96	94	90
LCSD	101	106	104	97
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/Naphthalene - Soil
Batch number: Q152241AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988538	97	99	106	97
7988541	84	88	93	90
7988542	83	88	90	88
7988548	85	89	90	85
7988549	87	90	89	87
7988556	87	91	94	90
Blank	91	98	96	90
LCS	92	98	95	90
LCSD	95	100	98	93
Limits:	50-141	54-135	52-141	50-131

Analysis Name: PAH SIM 8270 Soil Microwave
Batch number: 15218SLC026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7988566	97	88	78
7988567	96	85	76
7988568	101	91	80
7988569	93	85	76
7988570	97	88	77
7988571	101	88	78
7988572	91	83	74
Blank	96	89	77
LCS	98	91	80
MS	96	88	78
MSD	96	89	77
Limits:	49-151	62-137	39-152

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15217A31A

	Trifluorotoluene-F
7988552	83
7988553	84
7988555	212*
7988556	178*

*- Outside of specification

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REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

Surrogate Quality Control

7988557	88
7988558	82
7988559	86
7988560	82
7988561	75
7988562	131
Blank	98
LCS	98
LCSD	103

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15217A31B
Trifluorotoluene-F

7988554	75
Blank	95
LCS	98
LCSD	103

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15221A34A
Trifluorotoluene-F

7988538	555*
7988539	162*
7988540	126
7988541	292*
7988542	480*
7988543	99
7988544	81
7988545	85
7988563	330*
7988564	79
7988565	78
7988566	77
7988567	79
7988568	86
7988569	83
7988571	81
7988572	81
Blank	102
LCS	104
LCSD	104

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15222A34A
Trifluorotoluene-F

7988546	82
7988547	79
7988548	113
7988549	95
7988550	84
7988551	78
7988570	84
Blank	98

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REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

Surrogate Quality Control

LCS 104
LCSD 102
Limits: 50-142

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 152130022A
Orthoterphenyl

7988538 79
7988539 79
7988540 95
7988541 93
7988542 100
Blank 93
DUP 85
LCS 96
MS 96
Limits: 50-123

Analysis Name: Custom TPH ranges (Microwave)
Batch number: 152130023A

	Chlorobenzene	Orthoterphenyl
7988538	75	82
7988539	64	67
7988540	74	84
7988541	77	91
7988542	68	92
Blank	84	92
DUP	87	89
LCS	79	96
MS	84	96
Limits:	54-137	48-135

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 152190013A
Orthoterphenyl

7988543 70
7988544 75
7988545 77
7988546 74
7988547 84
7988548 82
7988549 93
7988550 85
7988551 78
7988552 90
7988553 78
7988554 87
7988555 94
7988556 78
7988557 86
7988558 83
7988559 90
7988560 75
7988561 74
7988562 73
Blank 91

*- Outside of specification

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REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

Surrogate Quality Control

DUP 87
LCS 86
MS 87

Limits: 50-123

Analysis Name: Custom TPH ranges (Microwave)
Batch number: 152190014A

	Chlorobenzene	Orthoterphenyl
7988543	82	89
7988544	78	76
7988545	75	77
7988546	75	74
7988547	77	84
7988548	81	84
7988549	92	92
7988550	79	85
7988551	78	77
7988552	80	90
7988553	79	78
7988554	93	86
7988555	105	96
7988556	119	87
7988557	80	87
7988558	79	82
7988559	85	85
7988560	73	76
7988561	71	81
7988562	71	74
Blank	86	92
DUP	68	75
LCS	83	91
MS	88	81

Limits: 54-137 48-135

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 152200001A

	Orthoterphenyl
7988563	64
7988564	80
7988565	78
7988566	81
7988567	65
7988568	73
7988569	70
7988570	73
7988571	84
7988572	87
Blank	54
DUP	70
LCS	74
MS	79

Limits: 50-123

Analysis Name: Custom TPH ranges (Microwave)
Batch number: 152200002A

	Chlorobenzene	Orthoterphenyl
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*- Outside of specification

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REVISED

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/08/2015 14:43

Group Number: 1581288

Surrogate Quality Control

7988563	72	89
7988564	92	103
7988565	96	108
7988566	94	103
7988567	77	82
7988568	94	100
7988569	71	84
7988570	74	88
7988571	90	103
7988572	81	87
Blank	93	106
DUP	67	82
LCS	91	113
MS	77	107
Limits:	54-137	48-135

*- Outside of specification

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- (2) The unspiked result was more than four times the spike added.

10869/1581288 / 7988538-72



Stantec Consulting Services Inc.
16575 Los Gatos Boulevard, Bldg C
Los Gatos, California 95032
Tel: 408-356-6124 Fax: 408-356-6138

Date: 7/29/15

Page: 2 of 3

Project Contact for Results (Hardcopy or PDF To):
TRAVIS.FLOPP@STANTEC.COM

CC Results to:
TRAVIS.FLOPP@STANTEC.COM

Laboratory:
EUROFINS

Lab Phone No.: **67-656-2300** Lab Fax No.:

Project Number:
21602332

Project Name:
CHURCH 91723

Project Manager:
TRAVIS FLOPP

California EDF Report? Yes No

Global ID No:

Samplers Name:
DEVON OWENS

Samplers Signature:
[Signature]

Project Address:
9757 San Leandro St., OAKLAND, CA.

Chain-of-Custody Record and Analysis Request

Turn-around Time (Business Days):

Standard 5 DAYS 72 HR 48 HR 24 HR

Analysis Request

Sample Name	Field Point Name	Sampling		Container					# of Containers	Preservative				Matrix			
		Date	Time	40 ml VOA x3	SLEEVE	POLY	AMBER	Jar		HCl	HNO ₃	ICE	NONE	WATER	SOIL	VAPOR	
SB-25@10	SB-25	7/29/15	1315	X					1						X		
SB-25@12.5	SB-25		1320	X					1						X		
SB-25@15	SB-25		1325	X					1						X		
SB-25@20	SB-25		1330	X					1						X		
SB-27-GW	SB-27		1350	X			X		11	X		X	X				
SB-25-GW	SB-25		1425	X			X		11	X		X	X				

Analysis Request	Sample Remarks	For Lab Use Only
BTEX (8260)		
TPH GPO (8015)		
TPH DPO (8015)		
W/SILICA GEL CUMULIP		
NONAHTHANE (8200)		
TPH M0 (8015)		
C18-C40 NAL-7		
MTBE (8260)		

Relinquished by: *[Signature]* Date: 7/30/15 Time: 1400

Relinquished by: *[Signature]* Date: 7/30/15 Time: 1600

Relinquished by: *[Signature]* Date: 7/31/15 Time: 910

Received by: *[Signature]* Date: 7/30/15 Time: 1400

Received by: **FE**

Received by Laboratory: *[Signature]*

Remarks:
* C6-C12, C10-C28, C18-C40 FOR ALL SAMPLES.

Relinquished By Commercial Carrier:
FedEx UPS Other

Temperature Upon Receipt: 0.6-1.5 °C

Bill To: Stantec Los Gatos
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

10869/1581288/788538-72



Stantec Consulting Services Inc.
16675 Los Gatos Boulevard, Bldg C
Los Gatos, California 95032
Tel: 408-356-6124 Fax: 408-356-6138

Date: 7/29/15

Page: 3 of 3

Project Contact for Results (Hardcopy or PDF To):
TRAVIS.FLORA@STANTEC.COM

CC Results to:

Laboratory: **EUROFINS**

Lab Phone No.: **717-656-2300** Lab Fax No.:

Project Number: **211002332**

Project Name: **CHANDON 91723**

Project Manager: **TRAVIS FLORA**

California EDF Report? Yes No

Global ID No:

Samplers Name: **DEVON OWENS**

Samplers Signature: *[Signature]*

Project Address: **9757 San Leandro St, OAKLAND, CA**

Chain-of-Custody Record and Analysis Request

Turn-around Time (Business Days):
 Standard 5 DAYS 72 HR 48 HR 24 HR

Sample Name	Field Point Name	Sampling		Container				# of Containers	Preservative				Matrix			TPH-GAO (8015B)	TPH-DPO w/ SINGA GEL CLEANUP (8015B)	TPH-M40 (9015B) C18-40 TML 7/31/15	PAH (9270C-SIM)	WEIGHT METALS (Cd, Cr, Ni, Pb, Zn)	MPH/HTALONE (8260B)	BTEX (8260B)	MTBE (8260B)	AVOCs (9260B)	TPH-GPO (8260B)	Sample Remarks	For Lab Use Only
		Date	Time	40 ml VOA x3	SLEEVE	POLY	AMBER		Jar	HCl	HNO ₃	ICE	NONE	WATER	SOIL												
SB-24@2.5	SB-24	7/29/15	1400	X				1						X	X	X	X	X	X	X	X	X					
SB-24@5	SB-24		1410	X				1						X	X	X	X	X	X	X	X	X					
SB-24@7.5	SB-24		1420	X				1						X	X	X	X	X	X	X	X	X					
SB-24@10	SB-24		1430	X				1						X	X	X	X	X	X	X	X	X					
SB-24@12.5	SB-24		1435	X				1						X	X	X	X	X	X	X	X	X					
SB-24@15	SB-24		1440	X				1						X	X	X	X	X	X	X	X	X					
SB-24@20	SB-24		1445	X				1						X	X	X	X	X	X	X	X	X					
SB-24-GW	SB-24			X		X		1						X	X	X	X	X	X	X	X	X					
SB-24-GW	SB-24	7/30/15	0845	X		X		1						X	X	X	X	X	X	X	X	X					

Relinquished by: *[Signature]* Date: 7/30/15 Time: 1400

Relinquished by: *[Signature]* Date: 7/30/15 Time: 1600

Relinquished by: *[Signature]* Date: 7/31/15 Time: 920

Received by: *[Signature]* Date: 7/30/15 Time: 1400

Received by: **FE**

Received by Laboratory: **Branch, Kueh**

Relinquished By Commercial Carrier: FedEx UPS Other

Temperature Upon Receipt: **0.6-1.3** °C

Remarks: *** C6-C12, C10-C28, C18-C40 FOR ALL SAMPLES.**

Bill To: Stantec Los Gatos
15575 Los Gatos Blvd., Bldg C
Los Gatos, CA 95032

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and the $<$ Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

August 26, 2015

Project: 91723

Submittal Date: 07/30/2015
Group Number: 1581252
PO Number: 0015167993
Release Number: MACLEOD
State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
SB-31-S-2.5-150727 Grab Soil	7988251
SB-31-S-5-150727 Grab Soil	7988252
SB-31-S-7.5-150727 Grab Soil	7988253
SB-31-S-10-150727 Grab Soil	7988254
SB-31-S-12.5-150727 Grab Soil	7988255
SB-31-S-15-150727 Grab Soil	7988256
SB-30-S-2.5-150727 Grab Soil	7988257
SB-31-S-20-150727 Grab Soil	7988258
SB-30-S-5-150727 Grab Soil	7988259
SB-30-S-7.5-150727 Grab Soil	7988260
SB-30-S-10-150727 Grab Soil	7988261
SB-30-S-12.5-150727 Grab Soil	7988262
SB-30-S-15-150727 Grab Soil	7988263
SB-30-S-20-150727 Grab Soil	7988264
SB-29-S-2.5-150728 Grab Soil	7988265
SB-29-S-5-150728 Grab Soil	7988266
SB-29-S-7.5-150728 Grab Soil	7988267
SB-29-S-10-150728 Grab Soil	7988268
SB-29-S-12.5-150728 Grab Soil	7988269
SB-29-S-15-150728 Grab Soil	7988270
SB-29-S-20-150728 Grab Soil	7988271
SB-28-S-2.5-150728 Grab Soil	7988272
SB-28-S-5-150728 Grab Soil	7988273
SB-28-S-7.5-150728 Grab Soil	7988274
SB-28-S-10-150728 Grab Soil	7988275
SB-28-S-12.5-150728 Grab Soil	7988276
SB-28-S-15-150728 Grab Soil	7988277
SB-28-S-20-150728 Grab Soil	7988278
SB-32-S-2.5-150728 Grab Soil	7988279
SB-32-S-5-150728 Grab Soil	7988280
SB-32-S-7.5-150728 Grab Soil	7988281

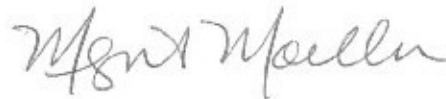
SB-32-S-10-150728 Grab Soil	7988282
SB-32-S-12.5-150728 Grab Soil	7988283
SB-32-S-15-150728 Grab Soil	7988284
SB-32-S-20-150728 Grab Soil	7988285
SB-33-S-2.5-150728 Grab Soil	7988286
SB-33-S-5-150728 Grab Soil	7988287
SB-33-S-7.5-150728 Grab Soil	7988288
SB-33-S-10-150728 Grab Soil	7988289
SB-33-S-12.5-150728 Grab Soil	7988290
SB-33-S-15-150728 Grab Soil	7988291
SB-33-S-20-150728 Grab Soil	7988292

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC COPY TO	Stantec	Attn: Erin O'Malley
ELECTRONIC COPY TO	Stantec	Attn: Travis Flora
ELECTRONIC COPY TO	Stantec	Attn: Marisa Kaffenberger
ELECTRONIC COPY TO	Stantec	Attn: Laura Viesselman

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261

Sample Description: SB-31-S-2.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988251
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 10:40 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB312

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.95
10237	Naphthalene	91-20-3	N.D.	0.0009	0.95
10237	Toluene	108-88-3	N.D.	0.0009	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.95
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.83
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 04:18	Stephanie A Selis	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 22:26	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/03/2015 21:54	Marie D Beamenderfer	24.83
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 22:28	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130014A	08/11/2015 22:54	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130013A	08/12/2015 11:39	Nicholas R Rossi	1

Sample Description: SB-31-S-2.5-150727 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988251
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/27/2015 10:40 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB312

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130013A	08/03/2015 19:20	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130014A	08/03/2015 19:20	Sally L Appleyard	1

Sample Description: **SB-31-S-5-150727 Grab Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988252**
 LL Group # **1581252**
 Account # **10869**

Project Name: **91723**

Collected: 07/27/2015 10:50 by DO ChevronTexaco
 L4310
 Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
 Reported: 08/26/2015 18:11 San Ramon CA 94583

SB315

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.95
10237	Naphthalene	91-20-3	N.D.	0.0009	0.95
10237	Toluene	108-88-3	N.D.	0.0009	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.95
GC Volatiles SW-846 8015B modified			mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.75
GC Petroleum SW-846 8015B			mg/kg	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum SW-846 8015B			mg/kg	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 04:41	Stephanie A Selis	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 22:35	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/03/2015 22:30	Marie D Beamenderfer	24.75
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 22:37	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130014A	08/11/2015 23:59	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130013A	08/12/2015 12:45	Nicholas R Rossi	1

Sample Description: SB-31-S-5-150727 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988252
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/27/2015 10:50 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB315

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130013A	08/03/2015 19:20	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130014A	08/03/2015 19:20	Sally L Appleyard	1

Sample Description: SB-31-S-7.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988253
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 11:05 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

SB317

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.95
10237	Naphthalene	91-20-3	N.D.	0.0009	0.95
10237	Toluene	108-88-3	N.D.	0.0009	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.95
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.37
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 05:03	Stephanie A Selis	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 22:45	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/03/2015 23:06	Marie D Beamenderfer	24.37
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 22:46	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130014A	08/12/2015 00:21	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130013A	08/12/2015 13:07	Nicholas R Rossi	1

Sample Description: SB-31-S-7.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988253
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 11:05 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB317

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130013A	08/03/2015 19:20	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130014A	08/03/2015 19:20	Sally L Appleyard	1

Sample Description: SB-31-S-10-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988254
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 11:35 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S31110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.95
10237	Naphthalene	91-20-3	N.D.	0.001	0.95
10237	Toluene	108-88-3	N.D.	0.001	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.95
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	7.1	0.5	24.25
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	27	4.0	1
13260	Total TPH	n.a.	27	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	17	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 09:34	Stephanie A Selis	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 22:53	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/03/2015 23:42	Marie D Beamenderfer	24.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 22:55	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130014A	08/12/2015 00:43	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130013A	08/12/2015 13:29	Nicholas R Rossi	1

Sample Description: SB-31-S-10-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988254
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 11:35 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3110

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130013A	08/03/2015 19:20	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130014A	08/03/2015 19:20	Sally L Appleyard	1

Sample Description: SB-31-S-12.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988255
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 11:40 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3112

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.023	45.96
10237	Ethylbenzene	100-41-4	N.D.	0.046	45.96
10237	Naphthalene	91-20-3	N.D.	0.046	45.96
10237	Toluene	108-88-3	N.D.	0.046	45.96
10237	Xylene (Total)	1330-20-7	N.D.	0.046	45.96

Reporting limits were raised due to interference from the sample matrix.

GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	49	1.9	96.9

GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	11	4.0	1
13260	Total TPH	n.a.	11	4.0	1

The reverse surrogate, capric acid, is present at <1%.

GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	10	4.0	1

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	R152201AA	08/08/2015 15:32	Anita M Dale	45.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:02	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 12:08	Jeremy C Giffin	96.9
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:04	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130014A	08/12/2015 01:04	Heather E Williams	1

Sample Description: SB-31-S-12.5-150727 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988255
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/27/2015 11:40 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3112

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130013A	08/12/2015 13:51	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130013A	08/03/2015 19:20	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130014A	08/03/2015 19:20	Sally L Appleyard	1

Sample Description: SB-31-S-15-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988256
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 11:45 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S31115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.37
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 09:12	Stephanie A Selis	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:12	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 00:56	Marie D Beamenderfer	24.37
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:14	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130014A	08/12/2015 01:26	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130013A	08/12/2015 14:13	Nicholas R Rossi	1

Sample Description: SB-31-S-15-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988256
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 11:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3115

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130013A	08/03/2015 19:20	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130014A	08/03/2015 19:20	Sally L Appleyard	1

Sample Description: SB-30-S-2.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988257
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:00 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB302

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B mg/kg					
10237	Benzene	71-43-2	N.D.	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
GC Volatiles SW-846 8015B modified mg/kg					
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.7	0.5	24.51
GC Petroleum SW-846 8015B mg/kg					
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum SW-846 8015B mg/kg					
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 05:26	Stephanie A Selis	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:20	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 01:39	Marie D Beamenderfer	24.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:21	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130014A	08/12/2015 01:48	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130013A	08/12/2015 14:35	Nicholas R Rossi	1

Sample Description: SB-30-S-2.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988257
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:00 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB302

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130013A	08/03/2015 19:20	Sally L Appleyard	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130014A	08/03/2015 19:20	Sally L Appleyard	1

Sample Description: SB-31-S-20-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988258
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 13:00 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.94
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.94
10237	Naphthalene	91-20-3	N.D.	0.0009	0.94
10237	Toluene	108-88-3	N.D.	0.0009	0.94
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.94
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.63
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	3.9	1
13260	Total TPH	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 05:48	Stephanie A Selis	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:27	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 02:15	Marie D Beamenderfer	24.63
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:28	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 08:31	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 20:17	Christine E Dolman	1

Sample Description: SB-31-S-20-150727 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988258
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/27/2015 13:00 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3120

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: **SB-30-S-5-150727 Grab Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988259**
 LL Group # **1581252**
 Account # **10869**

Project Name: **91723**

Collected: 07/27/2015 14:10 by DO ChevronTexaco
 L4310
 Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
 Reported: 08/26/2015 18:11 San Ramon CA 94583

SB305

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B mg/kg					
10237	Benzene	71-43-2	N.D.	0.0005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.99
10237	Naphthalene	91-20-3	N.D.	0.001	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.99
GC Volatiles SW-846 8015B modified mg/kg					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.61
GC Petroleum SW-846 8015B mg/kg					
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum SW-846 8015B mg/kg					
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 06:11	Stephanie A Selis	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:05	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:10	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:33	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 02:51	Marie D Beamenderfer	24.61
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:34	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 15:21	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 02:29	Christine E Dolman	1

Sample Description: SB-30-S-5-150727 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988259
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:10 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB305

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-30-S-7.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988260
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:25 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB307

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.96
10237	Naphthalene	91-20-3	N.D.	0.001	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.96
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	7.0	0.5	24.56
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	20	4.0	1
13260	Total TPH	n.a.	20	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	16	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 09:57	Stephanie A Selis	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	08/01/2015 00:10	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338429	08/01/2015 00:10	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:39	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 03:27	Marie D Beamenderfer	24.56
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338429	07/31/2015 23:41	Lois E Hiltz	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 16:26	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 03:35	Christine E Dolman	1

Sample Description: SB-30-S-7.5-150727 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988260
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:25 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB307

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-30-S-10-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988261
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:30 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.026	51.12
10237	Ethylbenzene	100-41-4	N.D.	0.051	51.12
10237	Naphthalene	91-20-3	N.D.	0.051	51.12
10237	Toluene	108-88-3	N.D.	0.051	51.12
10237	Xylene (Total)	1330-20-7	N.D.	0.051	51.12
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	120	20	1024.59
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	65	4.0	1
13260	Total TPH	n.a.	65	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	55	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	R152201AA	08/08/2015 15:55	Anita M Dale	51.12
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 21:43	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 09:45	Marie D Beamenderfer	1024.59
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 21:44	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 15:43	Heather E Williams	1

Sample Description: SB-30-S-10-150727 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988261
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:30 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3010

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 02:51	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-30-S-12.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988262
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:35 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3012

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	1.02
10237	Toluene	108-88-3	N.D.	0.001	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.02
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.7	0.5	24.95
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 06:33	Stephanie A Selis	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 21:47	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 04:46	Marie D Beamenderfer	24.95
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 21:48	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 09:36	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 21:00	Christine E Dolman	1

Sample Description: SB-30-S-12.5-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988262
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:35 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3012

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-30-S-15-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988263
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:40 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3015

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.05
10237	Naphthalene	91-20-3	N.D.	0.001	1.05
10237	Toluene	108-88-3	N.D.	0.001	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.05
GC Volatiles SW-846 8015B modified			mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	23.65
GC Petroleum SW-846 8015B			mg/kg	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum SW-846 8015B			mg/kg	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 06:56	Stephanie A Selis	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 21:51	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 05:22	Marie D Beamenderfer	23.65
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 21:52	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 09:58	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 21:22	Christine E Dolman	1

Sample Description: SB-30-S-15-150727 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988263
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:40 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3015

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-30-S-20-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988264
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:45 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	1
10237	Naphthalene	91-20-3	N.D.	0.001	1
10237	Toluene	108-88-3	N.D.	0.001	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.22
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 07:19	Stephanie A Selis	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 21:55	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 05:59	Marie D Beamenderfer	24.22
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 21:56	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 10:19	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 21:44	Christine E Dolman	1

Sample Description: SB-30-S-20-150727 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988264
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/27/2015 14:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3020

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-29-S-2.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988265
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 09:15 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB292

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.75
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	4.2	4.0	1
13260	Total TPH	n.a.	4.2	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 07:41	Stephanie A Selis	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:28	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 06:35	Marie D Beamenderfer	24.75
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:28	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 16:04	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 03:13	Christine E Dolman	1

Sample Description: SB-29-S-2.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988265
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 09:15 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB292

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-29-S-5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988266
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 09:25 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB295

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.05
10237	Naphthalene	91-20-3	N.D.	0.001	1.05
10237	Toluene	108-88-3	N.D.	0.001	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.05
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	23.85
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 08:04	Stephanie A Selis	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:32	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 07:12	Marie D Beamenderfer	23.85
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:32	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 10:41	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 22:06	Christine E Dolman	1

Sample Description: SB-29-S-5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988266
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 09:25 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB295

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-29-S-7.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988267
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 09:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB297

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.97
10237	Naphthalene	91-20-3	N.D.	0.001	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.97
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	23.47
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 08:26	Stephanie A Selis	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:37	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 07:54	Marie D Beamenderfer	23.47
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:38	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 11:02	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 22:28	Christine E Dolman	1

Sample Description: SB-29-S-7.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988267
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 09:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB297

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-29-S-10-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988268
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 09:55 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S2910

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.95
10237	Naphthalene	91-20-3	N.D.	0.0009	0.95
10237	Toluene	108-88-3	N.D.	0.0009	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.95
GC Volatiles		SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	5.1	0.5	25.1
GC Petroleum Hydrocarbons		SW-846 8015B	mg/kg	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si		SW-846 8015B	mg/kg	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	4.8	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	A152201AA	08/08/2015 08:49	Stephanie A Selis	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:43	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 08:31	Marie D Beamenderfer	25.1
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:44	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 11:24	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 01:23	Christine E Dolman	1

Sample Description: SB-29-S-10-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988268
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 09:55 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S2910

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-29-S-12.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988269
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 10:00 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S2912

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.024	48.64
10237	Ethylbenzene	100-41-4	N.D.	0.049	48.64
10237	Naphthalene	91-20-3	N.D.	0.049	48.64
10237	Toluene	108-88-3	N.D.	0.049	48.64
10237	Xylene (Total)	1330-20-7	N.D.	0.049	48.64
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	220	48	2403.85
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	19	4.0	1
13260	Total TPH	n.a.	19	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	17	4.0	1
The reverse surrogate, capric acid, is present at <1%. The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	R152201AA	08/08/2015 10:58	Anita M Dale	48.64
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:50	Mitchell R Washel	n.a.

Sample Description: SB-29-S-12.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988269
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 10:00 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S2912

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 10:21	Marie D Beamenderfer	2403.85
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:50	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/09/2015 19:26	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 01:45	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-29-S-15-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988270
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 10:05 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S2915

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	1.02
10237	Toluene	108-88-3	N.D.	0.001	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.02
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.68
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/10/2015 22:53	Christopher G Torres	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:54	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15215A31A	08/04/2015 09:09	Marie D Beamenderfer	24.68
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 22:55	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 15:00	Heather E Williams	1

Sample Description: SB-29-S-15-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988270
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 10:05 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S2915

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 02:07	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-29-S-20-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988271
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 10:10 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S2920

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.91
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.91
10237	Naphthalene	91-20-3	N.D.	0.0009	0.91
10237	Toluene	108-88-3	N.D.	0.0009	0.91
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.91
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.72
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/10/2015 23:15	Christopher G Torres	0.91
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:07	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 00:56	Jeremy C Giffin	25.72
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:08	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 11:46	Heather E Williams	1

Sample Description: SB-29-S-20-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988271
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 10:10 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S2920

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 22:50	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-28-S-2.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988272
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:00 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB282

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	1.02
10237	Toluene	108-88-3	N.D.	0.001	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.02
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.33
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/10/2015 23:38	Christopher G Torres	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:16	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:11	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 01:32	Jeremy C Giffin	25.33
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:11	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 12:29	Heather E Williams	1

Sample Description: SB-28-S-2.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988272
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:00 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB282

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 23:12	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-28-S-5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988273
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:10 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB285

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	1.03
10237	Toluene	108-88-3	N.D.	0.001	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.03
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	23.58
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 00:00	Christopher G Torres	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:21	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 02:08	Jeremy C Giffin	23.58
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:22	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 12:50	Heather E Williams	1

Sample Description: SB-28-S-5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988273
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:10 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB285

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 23:34	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-28-S-7.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988274
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:20 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

SB287

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	1.03
10237	Toluene	108-88-3	N.D.	0.001	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.03
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.83
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 00:23	Christopher G Torres	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:24	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 02:44	Jeremy C Giffin	24.83
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:25	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 13:12	Heather E Williams	1

Sample Description: SB-28-S-7.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988274
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:20 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB287

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/10/2015 23:56	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-28-S-10-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988275
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:30 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S2810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.002	0.0005	0.99
10237	Ethylbenzene	100-41-4	0.003	0.001	0.99
10237	Naphthalene	91-20-3	N.D.	0.001	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.99
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	21	1	48.03
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	7.7	4.0	1
13260	Total TPH	n.a.	7.7	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	9.3	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 04:53	Christopher G Torres	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521238428	07/31/2015 23:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:28	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 06:12	Jeremy C Giffin	48.03
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521238428	07/31/2015 23:29	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 13:33	Heather E Williams	1

Sample Description: SB-28-S-10-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988275
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:30 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S2810

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 00:17	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-28-S-12.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988276
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:35 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S2812

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.025	50.2
10237	Ethylbenzene	100-41-4	0.32	0.050	50.2
10237	Naphthalene	91-20-3	0.13	0.050	50.2
10237	Toluene	108-88-3	N.D.	0.050	50.2
10237	Xylene (Total)	1330-20-7	0.38	0.050	50.2
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	46	4.7	236.07
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	37	4.0	1
13260	Total TPH	n.a.	37	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	38	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152222AA	08/11/2015 02:49	Kevin A Sposito	50.2
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:17	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 04:59	Jeremy C Giffin	236.07
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:18	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 13:55	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 00:39	Christine E Dolman	1

Sample Description: SB-28-S-12.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988276
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:35 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S2812

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: SB-28-S-15-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988277
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:40 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S2815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.98
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.91
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 00:45	Christopher G Torres	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:21	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 04:40	Jeremy C Giffin	25.91
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:22	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130016A	08/08/2015 14:17	Heather E Williams	1

Sample Description: SB-28-S-15-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988277
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:40 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S2815

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130015A	08/11/2015 01:01	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130015A	08/04/2015 02:15	Sherry L Morrow	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130016A	08/04/2015 02:15	Sherry L Morrow	1

Sample Description: **SB-28-S-20-150728 Grab Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988278**
 LL Group # **1581252**
 Account # **10869**

Project Name: **91723**

Collected: 07/28/2015 11:45 by DO ChevronTexaco
 L4310
 Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
 Reported: 08/26/2015 18:11 San Ramon CA 94583

S2820

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.0009	0.0005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.98
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.75
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 01:07	Christopher G Torres	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:25	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 05:16	Jeremy C Giffin	24.75
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:25	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 18:00	Heather E Williams	1

Sample Description: SB-28-S-20-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988278
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 11:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S2820

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 18:32	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-32-S-2.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988279
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:00 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

SB322

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.96
10237	Naphthalene	91-20-3	N.D.	0.001	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.96
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.83
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 01:30	Christopher G Torres	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:29	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 06:28	Jeremy C Giffin	24.83
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:30	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 19:04	Heather E Williams	1

Sample Description: SB-32-S-2.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988279
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:00 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB322

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 19:16	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-32-S-5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988280
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:10 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

SB325

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	1.03
10237	Toluene	108-88-3	N.D.	0.001	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.03
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.2
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 01:53	Christopher G Torres	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:35	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 07:11	Jeremy C Giffin	24.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:36	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 19:26	Heather E Williams	1

Sample Description: SB-32-S-5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988280
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:10 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB325

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 19:38	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-32-S-7.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988281
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:25 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB327

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	1
10237	Naphthalene	91-20-3	N.D.	0.001	1
10237	Toluene	108-88-3	N.D.	0.001	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	18	0.5	26.15
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	120	4.0	1
13260	Total TPH	n.a.	120	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	81	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 05:16	Christopher G Torres	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:45	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 07:48	Jeremy C Giffin	26.15
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:45	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 19:48	Heather E Williams	1

Sample Description: SB-32-S-7.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988281
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:25 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB327

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 20:00	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-32-S-10-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988282
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:40 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	1
10237	Naphthalene	91-20-3	N.D.	0.001	1
10237	Toluene	108-88-3	N.D.	0.001	1
10237	Xylene (Total)	1330-20-7	0.011	0.001	1
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	47	5.1	255.62
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	360	4.0	1
13260	Total TPH	n.a.	360	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	190	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152231AA	08/11/2015 18:05	Angela D Sneeringer	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:29	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:50	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 05:35	Jeremy C Giffin	255.62
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:51	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 20:09	Heather E Williams	1

Sample Description: SB-32-S-10-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988282
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:40 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3210

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 22:56	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-32-S-12.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988283
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:45 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3212

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.026	52.41
10237	Ethylbenzene	100-41-4	N.D.	0.052	52.41
10237	Naphthalene	91-20-3	N.D.	0.052	52.41
10237	Toluene	108-88-3	N.D.	0.052	52.41
10237	Xylene (Total)	1330-20-7	0.13	0.052	52.41
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	110	19	948.77
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	1,200	20	5
13260	Total TPH	n.a.	1,200	20	5
Due to the dilution of the sample extract, capric acid recovery can not be determined.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	620	7.9	2
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152222AA	08/11/2015 03:35	Kevin A Sposito	52.41
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:55	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 07:31	Jeremy C Giffin	948.77
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 13:56	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/11/2015 16:34	Heather E Williams	5

Sample Description: SB-32-S-12.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988283
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3212

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/12/2015 14:57	Nicholas R Rossi	2
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-32-S-15-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988284
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:50 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.94
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.94
10237	Naphthalene	91-20-3	N.D.	0.0009	0.94
10237	Toluene	108-88-3	N.D.	0.0009	0.94
10237	Xylene (Total)	1330-20-7	0.01	0.0009	0.94
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	110	9.5	474.38
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	1,300	20	5
13260	Total TPH	n.a.	1,300	20	5
Due to the dilution of the sample extract, capric acid recovery can not be determined.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	670	20	5
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 02:15	Christopher G Torres	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:11	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 06:48	Jeremy C Giffin	474.38
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:12	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/11/2015 16:56	Heather E Williams	5

Sample Description: SB-32-S-15-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988284
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:50 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3215

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/12/2015 15:19	Nicholas R Rossi	5
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-32-S-20-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988285
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:55 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.92
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.92
10237	Naphthalene	91-20-3	N.D.	0.0009	0.92
10237	Toluene	108-88-3	N.D.	0.0009	0.92
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.92
GC Volatiles					
		SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	5.3	0.5	25.46
GC Petroleum Hydrocarbons					
		SW-846 8015B	mg/kg	mg/kg	
13260	C18-C40	n.a.	170	4.0	1
13260	Total TPH	n.a.	170	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si					
		SW-846 8015B	mg/kg	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	77	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 02:38	Christopher G Torres	0.92
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:15	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/05/2015 21:30	Jeremy C Giffin	25.46
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:16	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 21:14	Heather E Williams	1

Sample Description: SB-32-S-20-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988285
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 13:55 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3220

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 20:22	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-33-S-2.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988286
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 14:35 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB332

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.98
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	0.7	0.5	25.41
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	3.9	1
13260	Total TPH	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	3.9	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 03:00	Christopher G Torres	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:20	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 10:20	Jeremy C Giffin	25.41
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:21	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 21:57	Heather E Williams	1

Sample Description: SB-33-S-2.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988286
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 14:35 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB332

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 20:44	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: **SB-33-S-5-150728 Grab Soil**
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # **SW 7988287**
 LL Group # **1581252**
 Account # **10869**

Project Name: **91723**

Collected: 07/28/2015 14:45 by DO ChevronTexaco
 L4310
 Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
 Reported: 08/26/2015 18:11 San Ramon CA 94583

SB335

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B mg/kg					
10237	Benzene	71-43-2	N.D.	0.0005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	1.01
10237	Toluene	108-88-3	N.D.	0.001	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.01
GC Volatiles SW-846 8015B modified mg/kg					
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.41
GC Petroleum SW-846 8015B mg/kg					
Hydrocarbons					
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum SW-846 8015B mg/kg					
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 03:23	Christopher G Torres	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:25	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 10:56	Jeremy C Giffin	25.41
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:25	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 22:19	Heather E Williams	1

Sample Description: SB-33-S-5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988287
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 14:45 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB335

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/12/2015 00:24	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-33-S-7.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988288
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:00 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

SB337

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles					
		SW-846 8260B	mg/kg	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	0.92
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.92
10237	Naphthalene	91-20-3	N.D.	0.0009	0.92
10237	Toluene	108-88-3	N.D.	0.0009	0.92
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.92
GC Volatiles					
		SW-846 8015B modified	mg/kg	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	19	0.5	25.75
GC Petroleum Hydrocarbons					
		SW-846 8015B	mg/kg	mg/kg	
13260	C18-C40	n.a.	140	4.0	1
13260	Total TPH	n.a.	140	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si					
		SW-846 8015B	mg/kg	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	63	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152231AA	08/11/2015 11:50	Angela D Sneeringer	0.92
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:46	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/05/2015 11:32	Jeremy C Giffin	25.75
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:47	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 22:41	Heather E Williams	1

Sample Description: SB-33-S-7.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988288
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:00 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

SB337

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/12/2015 01:08	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-33-S-10-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988289
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:10 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3310

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	0.062	0.025	50.81
10237	Ethylbenzene	100-41-4	0.068	0.051	50.81
10237	Naphthalene	91-20-3	N.D.	0.051	50.81
10237	Toluene	108-88-3	N.D.	0.051	50.81
10237	Xylene (Total)	1330-20-7	N.D.	0.051	50.81

Reporting limits were raised due to interference from the sample matrix.

GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	40	2.0	102.04

GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1

The reverse surrogate, capric acid, is present at <1%.

GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1

The reverse surrogate, capric acid, is present at <1%.
The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. The re-extracted result is 24 mg/kg.

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152222AA	08/11/2015 03:58	Kevin A Sposito	50.81
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.

Sample Description: SB-33-S-10-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988289
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:10 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3310

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:54	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:55	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201521338432	08/01/2015 14:54	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15216A31A	08/04/2015 22:24	Jeremy C Giffin	102.04
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 14:59	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 14:55	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201521338432	08/01/2015 14:57	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201521338432	08/01/2015 14:56	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201521338432	08/01/2015 14:57	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 23:02	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 21:06	Nicholas R Rossi	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-33-S-12.5-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988290
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:15 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3312

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.025	50.4
10237	Ethylbenzene	100-41-4	N.D.	0.050	50.4
10237	Naphthalene	91-20-3	N.D.	0.050	50.4
10237	Toluene	108-88-3	N.D.	0.050	50.4
10237	Xylene (Total)	1330-20-7	N.D.	0.050	50.4
Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	58	2.0	98.81
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons					
13260	C18-C40	n.a.	130	4.0	1
13260	Total TPH	n.a.	130	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum			SW-846 8015B	mg/kg	
Hydrocarbons w/Si					
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	78	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	Q152222AA	08/11/2015 04:21	Kevin A Sposito	50.4
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:01	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/06/2015 01:15	Jeremy C Giffin	98.81
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:02	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 23:24	Heather E Williams	1

Sample Description: SB-33-S-12.5-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988290
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:15 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3312

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 21:28	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-33-S-15-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988291
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:25 by DO ChevronTexaco
L4310
Submitted: 07/30/2015 09:20 6001 Bollinger Canyon Rd.
Reported: 08/26/2015 18:11 San Ramon CA 94583

S3315

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	1.04
10237	Naphthalene	91-20-3	N.D.	0.001	1.04
10237	Toluene	108-88-3	N.D.	0.001	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1.04
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	25.51
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 04:08	Christopher G Torres	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:04	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/05/2015 22:06	Jeremy C Giffin	25.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:05	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/10/2015 23:46	Heather E Williams	1

Sample Description: SB-33-S-15-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988291
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:25 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3315

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 21:50	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Sample Description: SB-33-S-20-150728 Grab Soil
Facility 91723
9757 San Leandro Blvd T0600101789

LL Sample # SW 7988292
LL Group # 1581252
Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:30 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	mg/kg	
10237	Benzene	71-43-2	N.D.	0.0005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	1
10237	Naphthalene	91-20-3	N.D.	0.001	1
10237	Toluene	108-88-3	N.D.	0.001	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	1
GC Volatiles			SW-846 8015B modified	mg/kg	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.5	24.11
GC Petroleum Hydrocarbons			SW-846 8015B	mg/kg	
13260	C18-C40	n.a.	N.D.	4.0	1
13260	Total TPH	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si			SW-846 8015B	mg/kg	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	1
The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	BTEX/Naphthalene - Soil	SW-846 8260B	1	B152222AA	08/11/2015 04:31	Christopher G Torres	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201521338432	08/01/2015 15:12	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:09	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	15217A31A	08/05/2015 22:43	Jeremy C Giffin	24.11
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201521338432	08/01/2015 15:09	Mitchell R Washel	n.a.
13260	Custom TPH ranges (Microwave)	SW-846 8015B	1	152130023A	08/11/2015 00:07	Heather E Williams	1

Sample Description: SB-33-S-20-150728 Grab Soil
 Facility 91723
 9757 San Leandro Blvd T0600101789

LL Sample # SW 7988292
 LL Group # 1581252
 Account # 10869

Project Name: 91723

Collected: 07/28/2015 15:30 by DO

ChevronTexaco

L4310

Submitted: 07/30/2015 09:20

6001 Bollinger Canyon Rd.

Reported: 08/26/2015 18:11

San Ramon CA 94583

S3320

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	152130022A	08/11/2015 22:12	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	152130022A	08/04/2015 09:00	Jessica M Velez	1
13394	Microwave Ext. - TPH ranges	SW-846 3546	1	152130023A	08/04/2015 09:00	Jessica M Velez	1

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/26/2015 18:11

Group Number: 1581252

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: A152201AA	Sample number(s): 7988251-7988254,7988256-7988260,7988262-7988268							
Benzene	N.D.	0.0005	mg/kg	100	98	80-120	2	30
Ethylbenzene	N.D.	0.001	mg/kg	97	97	80-120	0	30
Naphthalene	N.D.	0.001	mg/kg	99	100	64-120	1	30
Toluene	N.D.	0.001	mg/kg	96	96	80-120	0	30
Xylene (Total)	N.D.	0.001	mg/kg	96	96	80-120	0	30
Batch number: B152222AA	Sample number(s): 7988270-7988275,7988277-7988281,7988284-7988287,7988291-7988292							
Benzene	N.D.	0.0005	mg/kg	83	90	80-120	8	30
Ethylbenzene	N.D.	0.001	mg/kg	82	89	80-120	8	30
Naphthalene	N.D.	0.001	mg/kg	91	91	64-120	0	30
Toluene	N.D.	0.001	mg/kg	82	89	80-120	9	30
Xylene (Total)	N.D.	0.001	mg/kg	82	89	80-120	8	30
Batch number: B152231AA	Sample number(s): 7988282,7988288							
Benzene	N.D.	0.0005	mg/kg	109	107	80-120	1	30
Ethylbenzene	N.D.	0.001	mg/kg	110	108	80-120	1	30
Naphthalene	N.D.	0.001	mg/kg	106	108	64-120	3	30
Toluene	N.D.	0.001	mg/kg	109	107	80-120	2	30
Xylene (Total)	N.D.	0.001	mg/kg	108	106	80-120	2	30
Batch number: Q152222AA	Sample number(s): 7988276,7988283,7988289-7988290							
Benzene	N.D.	0.025	mg/kg	104	100	80-120	4	30
Ethylbenzene	N.D.	0.050	mg/kg	97	94	80-120	3	30
Naphthalene	N.D.	0.050	mg/kg	97	91	64-120	7	30
Toluene	N.D.	0.050	mg/kg	103	101	80-120	3	30
Xylene (Total)	N.D.	0.050	mg/kg	96	93	80-120	3	30
Batch number: R152201AA	Sample number(s): 7988255,7988261,7988269							
Benzene	N.D.	0.025	mg/kg	104	94	80-120	10	30
Ethylbenzene	N.D.	0.050	mg/kg	101	91	80-120	10	30
Naphthalene	N.D.	0.050	mg/kg	90	77	64-120	15	30
Toluene	N.D.	0.050	mg/kg	105	98	80-120	7	30
Xylene (Total)	N.D.	0.050	mg/kg	101	90	80-120	11	30
Batch number: 15215A31A TPH-GRO N. CA soil C6-C12	Sample number(s): 7988251-7988254,7988256-7988270							
	N.D.	0.5	mg/kg	77	79	73-120	2	30
Batch number: 15216A31A TPH-GRO N. CA soil C6-C12	Sample number(s): 7988255,7988271-7988274,7988277-7988281,7988286-7988289							
	N.D.	0.5	mg/kg	80		73-120		
Batch number: 15217A31A TPH-GRO N. CA soil C6-C12	Sample number(s): 7988275-7988276,7988282-7988285,7988290-7988292							
	N.D.	0.5	mg/kg	78	83	73-120	6	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/26/2015 18:11

Group Number: 1581252

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 152130014A	Sample number(s): 7988251-7988257							
C18-C40	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	79		64-122		
Batch number: 152130016A	Sample number(s): 7988258-7988277							
C18-C40	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	88		64-122		
Batch number: 152130023A	Sample number(s): 7988278-7988292							
C18-C40	N.D.	4.0	mg/kg					
Total TPH	N.D.	4.0	mg/kg	81		64-122		
Batch number: 152130013A	Sample number(s): 7988251-7988257							
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	mg/kg	93		59-120		
Batch number: 152130015A	Sample number(s): 7988258-7988277							
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	mg/kg	89		59-120		
Batch number: 152130022A	Sample number(s): 7988278-7988292							
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	mg/kg	85		59-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 15216A31A	Sample number(s): 7988255,7988271-7988274,7988277-7988281,7988286-7988289 UNSPK: 7988289								
TPH-GRO N. CA soil C6-C12	280*	171*	39-118	19	30				
Batch number: 152130014A	Sample number(s): 7988251-7988257 UNSPK: 7988251 BKG: 7988251								
C18-C40						N.D.	N.D.	0 (1)	20
Total TPH	57		31-131			N.D.	N.D.	0 (1)	20
Batch number: 152130016A	Sample number(s): 7988258-7988277 UNSPK: 7988258 BKG: 7988258								
C18-C40						N.D.	N.D.	0 (1)	20
Total TPH	72		31-131			N.D.	N.D.	0 (1)	20
Batch number: 152130023A	Sample number(s): 7988278-7988292 UNSPK: 7988278 BKG: 7988278								
C18-C40						N.D.	N.D.	0 (1)	20
Total TPH	84		31-131			N.D.	N.D.	0 (1)	20
Batch number: 152130013A	Sample number(s): 7988251-7988257 UNSPK: 7988251 BKG: 7988251								
TPH-DRO soil C10-C28 w/Si Gel	67		30-159			N.D.	N.D.	0 (1)	20
Batch number: 152130015A	Sample number(s): 7988258-7988277 UNSPK: 7988258 BKG: 7988258								
TPH-DRO soil C10-C28 w/Si Gel	83		30-159			N.D.	N.D.	0 (1)	20
Batch number: 152130022A	Sample number(s): 7988278-7988292 UNSPK: 7988278 BKG: 7988278								
TPH-DRO soil C10-C28 w/Si Gel	90		30-159			N.D.	N.D.	0 (1)	20

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/26/2015 18:11

Group Number: 1581252

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
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Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/Naphthalene - Soil
Batch number: A152201AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988251	99	99	102	87
7988252	100	100	101	90
7988253	104	111	98	94
7988254	101	106	98	97
7988256	100	100	99	93
7988257	102	108	100	93
7988258	102	106	98	93
7988259	98	99	102	90
7988260	98	101	105	100
7988262	98	101	101	96
7988263	100	99	100	91
7988264	100	103	100	91
7988265	101	102	105	83
7988266	99	97	102	90
7988267	102	111	98	94
7988268	99	101	101	94
Blank	102	109	98	95
LCS	103	106	97	97
LCSD	102	105	98	97
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/Naphthalene - Soil
Batch number: B152222AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988270	102	98	99	95
7988271	100	97	99	92
7988272	100	96	108	85
7988273	99	93	101	93
7988274	99	95	99	95
7988275	98	93	108	106
7988277	100	97	99	95
7988278	99	92	99	94
7988279	104	107	98	94
7988280	101	97	99	93
7988281	97	91	104	100
7988284	103	105	105	94
7988285	98	96	100	99
7988286	100	98	111	83
7988287	99	96	102	95
7988291	101	98	98	93

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/26/2015 18:11

Group Number: 1581252

Surrogate Quality Control

7988292	99	91	101	93
Blank	100	96	99	95
LCS	104	107	100	101
LCSD	101	104	100	101
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/Naphthalene - Soil
Batch number: B152231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988282	99	95	127	94
7988288	100	96	101	103
Blank	98	96	100	95
LCS	100	100	101	101
LCSD	100	104	101	100
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/Naphthalene - Soil
Batch number: Q152222AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988276	85	88	89	85
7988283	84	88	89	85
7988289	84	89	89	86
7988290	85	79	89	84
Blank	92	98	97	88
LCS	98	104	100	97
LCSD	93	97	96	92
Limits:	50-141	54-135	52-141	50-131

Analysis Name: BTEX/Naphthalene - Soil
Batch number: R152201AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7988255	84	85	87	88
7988261	78	78	82	88
7988269	78	82	88	92
Blank	99	101	101	97
LCS	94	97	94	99
LCSD	86	88	86	87
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15215A31A

Trifluorotoluene-F

7988251	83
7988252	81
7988253	82
7988254	78
7988256	81
7988257	77
7988258	74
7988259	81
7988260	73
7988261	131
7988262	78
7988263	79
7988264	75

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/26/2015 18:11

Group Number: 1581252

Surrogate Quality Control

7988265	78
7988266	78
7988267	87
7988268	79
7988269	131
7988270	84
Blank	99
LCS	100
LCSD	101

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15216A31A

Trifluorotoluene-F

7988255	81
7988271	78
7988272	80
7988273	83
7988274	86
7988277	78
7988278	76
7988279	81
7988280	74
7988281	73
7988286	82
7988287	77
7988288	82
7988289	90
Blank	102
LCS	100
MS	114
MSD	106

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 15217A31A

Trifluorotoluene-F

7988275	74
7988276	93
7988282	74
7988283	94
7988284	97
7988285	76
7988290	79
7988291	79
7988292	78
Blank	98
LCS	98
LCSD	103

Limits: 50-142

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 152130013A

Orthoterphenyl

7988251	82
7988252	89

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/26/2015 18:11

Group Number: 1581252

Surrogate Quality Control

7988253 89
7988254 75
7988255 89
7988256 91
7988257 86
Blank 95
DUP 72
LCS 97
MS 71

Limits: 50-123

Analysis Name: Custom TPH ranges (Microwave)
Batch number: 152130014A

	Chlorobenzene	Orthoterphenyl
7988251	75	78
7988252	71	88
7988253	83	84
7988254	66	81
7988255	72	88
7988256	92	98
7988257	76	82
Blank	81	89
DUP	59	68
LCS	77	93
MS	67	69

Limits: 54-137 48-135

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 152130015A

	Orthoterphenyl
7988258	79
7988259	56
7988260	78
7988261	70
7988262	70
7988263	77
7988264	72
7988265	57
7988266	64
7988267	56
7988268	66
7988269	47*
7988270	54
7988271	63
7988272	67
7988273	59
7988274	77
7988275	63
7988276	66
7988277	62
Blank	93
DUP	71
LCS	89
MS	78

Limits: 50-123

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
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Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/26/2015 18:11

Group Number: 1581252

Surrogate Quality Control

Analysis Name: Custom TPH ranges (Microwave)
Batch number: 152130016A

	Chlorobenzene	Orthoterphenyl
7988258	92	87
7988259	74	58
7988260	78	74
7988261	62	67
7988262	87	73
7988263	81	72
7988264	87	83
7988265	65	58
7988266	77	67
7988267	75	60
7988268	77	62
7988269	59	49
7988270	81	67
7988271	56	59
7988272	71	66
7988273	74	56
7988274	80	73
7988275	71	61
7988276	72	64
7988277	74	59
Blank	90	98
DUP	79	71
LCS	87	98
MS	76	75
Limits:	54-137	48-135

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 152130022A

	Orthoterphenyl
7988278	78
7988279	84
7988280	87
7988281	86
7988282	92
7988283	111
7988284	83
7988285	76
7988286	84
7988287	82
7988288	87
7988289	43*
7988290	93
7988291	83
7988292	77
Blank	93
DUP	85
LCS	96
MS	96
Limits:	50-123

Analysis Name: Custom TPH ranges (Microwave)
Batch number: 152130023A

	Chlorobenzene	Orthoterphenyl
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*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/26/2015 18:11

Group Number: 1581252

Surrogate Quality Control

7988278	79	77
7988279	79	84
7988280	86	87
7988281	78	86
7988282	82	94
7988283	90	120
7988284	86	87
7988285	70	76
7988286	86	84
7988287	76	83
7988288	94	99
7988289	51*	51
7988290	68	80
7988291	73	77
7988292	68	64
Blank	84	92
DUP	87	89
LCS	79	96
MS	84	96
Limits:	54-137	48-135

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 108609
073015-01

For Eurofins Lancaster Laboratories Environmental Use only
Group # 1581252 Sample # 7288251-92
Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks						
Facility # <u>91723</u> WBS Site Address <u>4757 San Leandro St., OAKLAND, CA.</u> Chevron PM <u>CAROL MACLEOD</u> Lead Consultant <u>STANIEZ</u> Consultant/Office <u>15575 LOS GATOS BLVD., SUITE C, LOS GATOS, CA.</u> Consultant Project Mgr. <u>TRANS FLOCA</u> Consultant Phone # <u>408-358-6124</u> Sampler <u>DEVON OWNERS / SUCTION SUMP</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Potable Water <input type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Air				Total Number of Containers _____ BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan _____ Oxygenates _____ Total Lead _____ Method _____ Dissolved Lead _____ Method _____ <u>MARCHIONE (8260)</u> <u>BREA (8260)</u> <u>PH-MO (8015 & 8260)</u> C18-C40 w/ Sigelper TF										SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits						
2 Sample Identification		3 Soil Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	8260	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Method	Dissolved Lead	Method	MARCHIONE (8260)	BREA (8260)	PH-MO (8015 & 8260)	C18-C40 w/ Sigelper TF
Depth	Date	Time																						
SB-31@2.5	2.5	7/27/15	1040	X		X			1	X		X		X							X	X	X	X
SB-31@5	5		1050	X		X			1	X		X		X							X	X	X	X
SB-31@7.5	7.5		1105	X		X			1	X		X		X							X	X	X	X
SB-31@10	10		1135	X		X			1	X		X		X							X	X	X	X
SB-31@12.5	12.5		1140	X		X			1	X		X		X							X	X	X	X
SB-31@15	15		1145	X		X			1	X		X		X							X	X	X	X
SB-30@2.5	2.5		1400	X		X			1	X		X		X							X	X	X	X
SB-31@20	20		1300	X		X			1	X		X		X							X	X	X	X
SB-30@5	5		1410	X		X			1	X		X		X							X	X	X	X
SB-30@7.5	7.5		1425	X		X			1	X		X		X							X	X	X	X
7 Turnaround Time Requested (TAT) (please circle) Standard <u>5 day</u> 4 day 72 hour 48 hour 24 hour				Relinquished by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		Relinquished by <u>[Signature]</u> Date <u>29 JUL 15</u> Time <u>1630</u>		Relinquished by Commercial Carrier: UPS _____ FedEx <u>X</u> Other _____		Received by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		Received by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		Received by <u>[Signature]</u> Date <u>7/30/15</u> Time <u>920</u>		Temperature Upon Receipt <u>015-2.6°C</u>		Custody Seals Intact? <u>Yes</u> No						
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				Relinquished by _____ Date _____ Time _____		Relinquished by _____ Date _____ Time _____		Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____		Received by _____ Date _____ Time _____		Received by _____ Date _____ Time _____		Temperature Upon Receipt _____		Custody Seals Intact? _____						

pg 1 of 2

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 108009
 3 073015-01

For Eurofins Lancaster Laboratories Environmental Use only
 Group # 1581252 Sample # 1788251-92
 Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks			
Facility # <u>91723</u> WBS Site Address <u>9757 San Leandro St. ORKLAND - CA.</u> Chevron PM <u>CAROL MACHADO</u> Lead Consultant <u>STANFEL</u> Consultant/Office <u>15575 LOS GATOS BLVD, BLDG C, LOS GATOS, CA.</u> Consultant Project Mgr. <u>TRAVIS FLOTT</u> Consultant Phone # <u>408-3570-6124</u> Sampler <u>DEVON OWENS / Suckow SURF</u>				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Potable <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> NPDES <input type="checkbox"/> Air				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input checked="" type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Dissolved Lead Method <u>MMMAVANT (80260)</u> Method <u>PER (8260)</u> Method <u>PER MO (8015B) (18-CHD)</u> SIGEL PER TF MAX 7/20/15												SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits			
2 Sample Identification		3 Soil Depth	3 Collected Date	3 Time	3 Grab	3 Composite	4 Soil	4 Water	4 Oil	5 Total Number of Containers	5 BTEX + MTBE 8021	5 8260	5 TPH-GRO 8015	5 TPH-DRO 8015 without Silica Gel Cleanup	5 TPH-DRO 8015 with Silica Gel Cleanup	5 8260 Full Scan	5 Oxygenates	5 Total Lead	5 Dissolved Lead	5 Method	5 Method	6	
<u>SB-30 P 10</u>		<u>10</u>	<u>7/27/15</u>	<u>1430</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>SB-30 P 12.5</u>		<u>12.5</u>	<u>1435</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>SB-30 P 15</u>		<u>15</u>	<u>1440</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>SB-30 P 20</u>		<u>20</u>	<u>1445</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<u>1</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>SB-31 - GW</u>			<u>1515</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<u>11</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>SB-30 - GW</u>			<u>1545</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<u>11</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="checkbox"/> 5 day 72 hour 48 hour 24 hour				Relinquished by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>				Received by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>				Relinquished by <u>a. daly</u> Date <u>29 JUL 15</u> Time <u>1630</u>				Received by <u>FX</u> Date _____ Time _____							
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				Relinquished by <u>AS29 JUL 15</u> Date _____ Time _____				Received by _____ Date _____ Time _____				Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____				Received by <u>[Signature]</u> Date <u>7/30/15</u> Time <u>920</u>							
EDD (circle if required) EDFFLAT (default) Other: _____				Temperature Upon Receipt <u>0.5-2.6</u> °C												Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							

Pg. 2 of 2

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 108609
 2-073015-01

For Eurofins Lancaster Laboratories Environmental use only

Group # 1581252 Sample # 2988251-92
 Instructions on reverse side correspond with circled numbers.

1 Client Information					4 Matrix			5 Analyses Requested										6 Remarks						
Facility # <u>91723</u> WBS					<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Oil <input type="checkbox"/> Total Number of Containers			<input type="checkbox"/> 8260 <input checked="" type="checkbox"/> 8201 <input type="checkbox"/> 8015 <input checked="" type="checkbox"/> 8015 without Silica Gel Cleanup <input checked="" type="checkbox"/> 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> Total Lead <input type="checkbox"/> Dissolved Lead <input type="checkbox"/> Method <input type="checkbox"/> Method <input type="checkbox"/> Method NAPH-TA-MEWE (8260B) TPH-RO (8015) (18-CHDN) Sigel per TF NUL-13016										SCR #: _____						
Site Address <u>9157 San Leandro St., Oakland, CA</u>								<input type="checkbox"/> Grab <input type="checkbox"/> Composite													<input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits			
Chevron PM <u>CARRYL MACLEOD</u> Lead Consultant <u>STANDEZ</u>																								
Consultant/Office <u>15575 LOS GATOS BLVD, BLDG-C, LOS GATOS, CA</u>																								
Consultant Project Mgr. <u>TRAVIS FLORA</u>																								
Consultant Phone # <u>408-356-6124</u>																								
Sampler <u>DEVON OWENS</u>																								
2 Sample Identification		Soil Depth	Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX+MTBE	8021	8015	8015 without Silica Gel Cleanup	8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	Method	Method	Method	6 Remarks	
			Date	Time																				
<u>SB-29 @ 2.5</u>		<u>2.5</u>	<u>7/28/15</u>	<u>0915</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-29 @ 5</u>		<u>5</u>		<u>0925</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-29 @ 7.5</u>		<u>7.5</u>		<u>0945</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-29 @ 10</u>		<u>10</u>		<u>0955</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-29 @ 12.5</u>		<u>12.5</u>		<u>1000</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-29 @ 15</u>		<u>15</u>		<u>1005</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-29 @ 20</u>		<u>20</u>		<u>1010</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-28 @ 2.5</u>		<u>2.5</u>		<u>1100</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-28 @ 5</u>		<u>5</u>		<u>1110</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
<u>SB-28 @ 7.5</u>		<u>7.5</u>	<u>✓</u>	<u>1120</u>	<u>X</u>		<u>X</u>			<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>X</u>	<u>X</u>	
7 Turnaround Time Requested (TAT) (please circle)					Relinquished by <u>[Signature]</u>			Date <u>7/28/15</u> Time <u>1600</u>			Received by <u>[Signature]</u>			Date <u>7/28/15</u> Time <u>1600</u>										
<input checked="" type="radio"/> Standard 5 day 4 day <input type="radio"/> 72 hour 48 hour 24 hour					Relinquished by <u>[Signature]</u>			Date <u>29 JUL 15</u> Time <u>1630</u>			Received by <u>[Signature]</u>			Date _____ Time _____										
8 Data Package (circle if required)					Relinquished by _____			Date _____ Time _____			Received by _____			Date _____ Time _____										
Type I - Full Type VI (Raw Data)					Relinquished by Commercial Carrier:			UPS _____ FedEx <input checked="" type="checkbox"/> Other _____			Received by <u>[Signature]</u>			Date <u>7/30/15</u> Time <u>920</u>										
EDD (circle if required)					EDFFLAT (default) Other: _____			Temperature Upon Receipt <u>0.5-1.6°C</u>			Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													

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Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 108609
3 073015-01

For Eurofins Lancaster Laboratories Environmental use only
Group # 1581252 Sample # 7988251-92
Instructions on reverse side correspond with circled numbers.

1 Client Information				2			3			4 Matrix			5 Analyses Requested										6	
Facility # <u>91723</u> Site Address <u>9757 San Leandro St., OAKLAND, CA.</u> Chevron PM <u>CAROL MACLEOD</u> Lead Consultant <u>STAMBEK</u> Consultant/Office <u>15575 LOS GARDOS BLVD., BLDG. C, LOS GARDOS, CA.</u> Consultant Project Mgr. <u>TRAVIS FLORA</u> Consultant Phone # <u>408-356-6124</u> Sampler <u>DEVON OWENS</u>				WBS Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> Total Lead Method <input type="checkbox"/> Dissolved Lead Method <input type="checkbox"/> NAPHTHALENE (8260B) TPH-MO (8015B) SIGMA NUR 73015			SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits		Remarks															
Sample Identification	Soil Depth	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	NAPHTHALENE (8260B)	TPH-MO (8015B) SIGMA	NUR 73015	Remarks			
SB-28e10	10	7/28/15	1130	X		X					X	X						X	X	X				
SB-28e12.5	12.5		1135	X		X					X	X						X	X	X				
SB-28e15	15		1140	X		X					X	X						X	X	X				
SB-28e20	20		1145	X		X					X	X						X	X	X				
SB-29-GW			1230	X			X			X	X	X						X	X	X				
SB-32e2.5	2.5		1300	X		X					X	X						X	X	X				
SB-32e5	5		1310	X		X					X	X						X	X	X				
SB-32e7.5	7.5		1325	X		X					X	X						X	X	X				
SB-32e10	10		1340	X		X					X	X						X	X	X				
SB-32e12.5	12.5		1345	X		X					X	X						X	X	X				

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day
72 hour 48 hour 24 hour

Relinquished by <u>[Signature]</u>	Date <u>7/28/15</u>	Time <u>1600</u>	Received by <u>[Signature]</u>	Date <u>7/28/15</u>	Time <u>1600</u>
Relinquished by <u>[Signature]</u>	Date <u>29 JUL 15</u>	Time <u>1634</u>	Received by <u>[Signature]</u>	Date	Time
Relinquished by Commercial Carrier:	UPS _____ FedEx <u>X</u> Other _____		Received by <u>[Signature]</u>	Date <u>73015</u>	Time <u>920</u>
Temperature Upon Receipt <u>0.5-2.6 °C</u>			Custody Seals Intact? <u>Yes</u> No		

8 Data Package (circle if required)

Type I - Full Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) Other: _____

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Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

072915 Acct. # 1080A
2073015-01

For Eurofins Lancaster Laboratories Environmental use only

Group # 1581252 Sample # 1988251-92

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks							
Facility # <u>91723</u> Site Address <u>9757 San Leandro St., OAKLAND, CA.</u> Chevron PM <u>CAROL MACLEOD</u> Lead Consultant Consultant/Office <u>STANFORD</u> Consultant Project Mgr. <u>15575 Los Gatos Blvd., Bldg C., Los Gatos, CA.</u> Consultant Phone # <u>TRAVIS FLOKA</u> <u>408-356-6124</u> Sampler <u>Down Owners</u>				Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Water NPDES <input type="checkbox"/> Surface <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/>				Total Number of Containers BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> TPH-GRO 8015 <input type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> Total Lead Method <input type="checkbox"/> Dissolved Lead Method <input type="checkbox"/> MARCHALONE (8260) <input type="checkbox"/> PPA PRO (8260) <input type="checkbox"/> 618-CHOWK <input type="checkbox"/> BTEX (8260) <input type="checkbox"/> SIGN PER TP <input type="checkbox"/> NYK <input type="checkbox"/> MEDALS <input type="checkbox"/>												SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits							
2 Sample Identification		Soil Depth	Collected		3 Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	8260	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Method	Dissolved Lead	Method	MARCHALONE (8260)	PPA PRO (8260)	618-CHOWK	SIGN PER TP	NYK	MEDALS
			Date	Time																							
SB-32 @ 15		15	7/28/15	1350	X		X			1	X		X	X									X	X	X		
SB-32 @ 20		20		1355	X		X			1	X		X	X									X	X	X		
SB-28-GW				1345	X			X		1	X		X	X									X	X	X		
SB-33 @ 2.5		2.5		1435	X		X			1	X		X	X									X	X	X		
SB-33 @ 5		5		1445	X		X			1	X		X	X									X	X	X		
SB-33 @ 7.5		7.5		1500	X		X			1	X		X	X									X	X	X		
SB-33 @ 10		10		1510	X		X			1	X		X	X									X	X	X		
SB-33 @ 12.5		12.5		1515	X		X			1	X		X	X									X	X	X		
SB-33 @ 15		15		1525	X		X			1	X		X	X									X	X	X		
SB-33 @ 20		20		1530	X		X			1	X		X	X									X	X	X		
7 Turnaround Time Requested (TAT) (please circle) Standard <input checked="" type="radio"/> 5 day 4 day 72 hour 48 hour 24 hour				Relinquished by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		Received by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		Relinquished by <u>[Signature]</u> Date <u>29 JUL 15</u> Time <u>1630</u>		Received by <u>[Signature]</u> Date _____ Time _____		Relinquished by Commercial Carrier:		Received by <u>[Signature]</u> Date <u>7/30/15</u> Time <u>920</u>		Temperature Upon Receipt <u>0.5-2.6°C</u>		Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No									
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)				Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____		Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____		Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____		Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____									

3 of 4

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # 10869 For Eurofins Lancaster Laboratories Environmental use only
 Group # 1501252 Sample # 7788251-92
 Instructions on reverse side correspond with circled numbers.

3073015-01

1 Client Information				4 Matrix				5 Analyses Requested								6 Remarks							
Facility # <u>WBS</u> <u>91723</u> Site Address <u>9757 San Leandro Blvd. Oakland, CA</u> Chevron PM <u>CAROL MACHUP</u> Lead Consultant <u>STANLEY</u> Consultant/Office <u>15575 LOS GARDOS BLVD., BLDG C, LOS GARDOS, CA</u> Consultant Project Mgr. <u>TRAVIS FLORA</u> Consultant Phone # <u>408-356-6124</u> Sampler <u>Down mens.</u>				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Potable Ground <input type="checkbox"/> Surface <input type="checkbox"/> NPDES <input type="checkbox"/> Air				Total Number of Containers <input checked="" type="checkbox"/> BTEX + MTBE 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> TPH-GRO 8015 <input checked="" type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input checked="" type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method <u>MAPTAN-LEAS (8260B)</u> <u>MT-MO (8015B) (8260B)</u> <u>BTEX (8260)</u>								SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits							
2 Sample Identification		3 Soil Depth	Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	8260	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	MAPTAN-LEAS (8260B)	MT-MO (8015B) (8260B)	BTEX (8260)	Remarks
Date	Time																						
<u>SB-32-GW</u>		—	<u>7/28/15</u>	<u>1440</u>	X				11	X	X	X	X	X	X	X	X	X	X	X	X	X	18
SB-32-GW		—	7/28/15	1440	X				11	X	X	X	X	X	X	X	X	X	X	X	X	X	
<u>SB-33-GW</u>		—	<u>7/28/15</u>	<u>1545</u>	X				11	X	X	X	X	X	X	X	X	X	X	X	X	X	
7 Turnaround Time Requested (TAT) (please circle) Standard <u>5 day</u> 4 day 72 hour 48 hour 24 hour						Relinquished by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		Received by <u>[Signature]</u> Date <u>7/28/15</u> Time <u>1600</u>		Relinquished by <u>[Signature]</u> Date <u>29 JUL 15</u> Time <u>1638</u>		Received by <u>[Signature]</u> Date <u>29 JUL 15</u> Time <u>1638</u>		Relinquished by Commercial Carrier: UPS ___ FedEx ___ Other ___		Received by <u>[Signature]</u> Date <u>28/015</u> Time <u>920</u>		Temperature Upon Receipt <u>0.5 - 2.6 °C</u>		Custody Seals Intact? <u>Yes</u> No			
8 Data Package (circle if required) Type I - Full Type VI (Raw Data)						EDD (circle if required) EDFFLAT (default) Other: _____																	

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and the $<$ Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

8/18/2015

Mr. Devon Owens
Stantec Consulting Corporation
15575 Los Gatos Boulevard
Building C
Los Gatos CA 95032

Project Name: 91723
Project #: 211602332
Workorder #: 1508085B

Dear Mr. Devon Owens

The following report includes the data for the above referenced project for sample(s) received on 8/4/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori
Project Manager

WORK ORDER #: 1508085B

Work Order Summary

CLIENT:	Mr. Devon Owens Stantec Consulting Corporation 15575 Los Gatos Boulevard Building C Los Gatos, CA 95032	BILL TO:	Mr. Devon Owens Stantec Consulting Corporation 15575 Los Gatos Boulevard Building C Los Gatos, CA 95032
PHONE:	408-356-6124	P.O. #	211602332
FAX:	408-356-6138	PROJECT #	211602332 91723
DATE RECEIVED:	08/04/2015	CONTACT:	Kyle Vagadori
DATE COMPLETED:	08/17/2015		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP-1	Modified ASTM D-1946	6.5 "Hg	15 psi
02A	VP-2	Modified ASTM D-1946	5.3 "Hg	14.8 psi
03A	VP-3	Modified ASTM D-1946	5.5 "Hg	15.2 psi
04A	VP-4	Modified ASTM D-1946	3.9 "Hg	14.5 psi
05A	VP-5	Modified ASTM D-1946	3.3 "Hg	14.7 psi
06A	DUP	Modified ASTM D-1946	6.1 "Hg	15 psi
07A	EB	Modified ASTM D-1946	0.6 "Hg	14.9 psi
08A	Lab Blank	Modified ASTM D-1946	NA	NA
08B	Lab Blank	Modified ASTM D-1946	NA	NA
09A	LCS	Modified ASTM D-1946	NA	NA
09AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: 
 Technical Director

DATE: 08/18/15

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
 TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
 Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.

Eurofins Air Toxics Inc. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Stantec Consulting Corporation
Workorder# 1508085B

Seven 1 Liter Summa Canister (100% Certified) samples were received on August 04, 2015. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>ASTM D-1946</i>	<i>ATL Modifications</i>
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a $\geq 95\%$ accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections $> 5 X$'s the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

Client Sample ID: VP-1

Lab ID#: 1508085B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.6
Methane	0.00026	13
Carbon Dioxide	0.026	29

Client Sample ID: VP-2

Lab ID#: 1508085B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	1.3
Methane	0.00024	29
Carbon Dioxide	0.024	22

Client Sample ID: VP-3

Lab ID#: 1508085B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	1.0
Methane	0.00025	42
Carbon Dioxide	0.025	22

Client Sample ID: VP-4

Lab ID#: 1508085B-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	0.94
Methane	0.00023	40
Carbon Dioxide	0.023	27

Client Sample ID: VP-5

Lab ID#: 1508085B-05A

Compound	Rpt. Limit (%)	Amount (%)
-----------------	-----------------------	-------------------

**Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946**

Client Sample ID: VP-5

Lab ID#: 1508085B-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	0.78
Methane	0.00022	25
Carbon Dioxide	0.022	28

Client Sample ID: DUP

Lab ID#: 1508085B-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	1.0
Methane	0.00025	13
Carbon Dioxide	0.025	30

Client Sample ID: EB

Lab ID#: 1508085B-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	0.58



Air Toxics

Client Sample ID: VP-1

Lab ID#: 1508085B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081415	Date of Collection: 7/31/15 10:45:00 AM
Dil. Factor:	2.58	Date of Analysis: 8/14/15 02:53 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.6
Methane	0.00026	13
Carbon Dioxide	0.026	29
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-2

Lab ID#: 1508085B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081416	Date of Collection: 7/31/15 1:20:00 PM
Dil. Factor:	2.44	Date of Analysis: 8/14/15 03:28 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	1.3
Methane	0.00024	29
Carbon Dioxide	0.024	22
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-3

Lab ID#: 1508085B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081417	Date of Collection:	7/31/15 12:35:00 PM
Dil. Factor:	2.49	Date of Analysis:	8/14/15 03:53 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	1.0
Methane	0.00025	42
Carbon Dioxide	0.025	22
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-4

Lab ID#: 1508085B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081418	Date of Collection:	7/31/15 11:25:00 AM
Dil. Factor:	2.28	Date of Analysis:	8/14/15 04:20 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	0.94
Methane	0.00023	40
Carbon Dioxide	0.023	27
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: VP-5

Lab ID#: 1508085B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081419	Date of Collection:	7/31/15 9:35:00 AM
Dil. Factor:	2.24	Date of Analysis:	8/14/15 05:03 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	0.78
Methane	0.00022	25
Carbon Dioxide	0.022	28
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: DUP

Lab ID#: 1508085B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081420	Date of Collection:	7/31/15 10:45:00 AM
Dil. Factor:	2.54	Date of Analysis:	8/14/15 05:36 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	1.0
Methane	0.00025	13
Carbon Dioxide	0.025	30
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: EB

Lab ID#: 1508085B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081421	Date of Collection:	7/31/15 1:40:00 PM
Dil. Factor:	2.06	Date of Analysis:	8/14/15 06:15 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	0.58
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	Not Detected
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1508085B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081405	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/14/15 10:00 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1508085B-08B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081406c	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/14/15 10:26 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCS

Lab ID#: 1508085B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/14/15 08:44 AM

Compound	%Recovery	Method Limits
Oxygen	100	85-115
Methane	103	85-115
Carbon Dioxide	98	85-115
Helium	103	85-115

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1508085B-09AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10081427	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/14/15 09:40 PM

Compound	%Recovery	Method Limits
Oxygen	99	85-115
Methane	105	85-115
Carbon Dioxide	98	85-115
Helium	103	85-115

Container Type: NA - Not Applicable

8/18/2015

Mr. Devon Owens
Stantec Consulting Corporation
15575 Los Gatos Boulevard
Building C
Los Gatos CA 95032

Project Name: 91723
Project #: 211602332
Workorder #: 1508085A

Dear Mr. Devon Owens

The following report includes the data for the above referenced project for sample(s) received on 8/4/2015 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori
Project Manager

WORK ORDER #: 1508085A

Work Order Summary

CLIENT:	Mr. Devon Owens Stantec Consulting Corporation 15575 Los Gatos Boulevard Building C Los Gatos, CA 95032	BILL TO:	Mr. Devon Owens Stantec Consulting Corporation 15575 Los Gatos Boulevard Building C Los Gatos, CA 95032
PHONE:	408-356-6124	P.O. #	211602332
FAX:	408-356-6138	PROJECT #	211602332 91723
DATE RECEIVED:	08/04/2015	CONTACT:	Kyle Vagadori
DATE COMPLETED:	08/18/2015		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP-1	TO-15	6.5 "Hg	15 psi
02A	VP-2	TO-15	5.3 "Hg	14.8 psi
03A	VP-3	TO-15	5.5 "Hg	15.2 psi
04A	VP-4	TO-15	3.9 "Hg	14.5 psi
05A	VP-5	TO-15	3.3 "Hg	14.7 psi
06A	DUP	TO-15	6.1 "Hg	15 psi
07A	EB	TO-15	0.6 "Hg	14.9 psi
08A	Lab Blank	TO-15	NA	NA
09A	CCV	TO-15	NA	NA
10A	LCS	TO-15	NA	NA
10AA	LCSD	TO-15	NA	NA

CERTIFIED BY: 

 Technical Director

DATE: 08/18/15

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
 TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
 Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.

Eurofins Air Toxics Inc. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
EPA Method TO-15
Stantec Consulting Corporation
Workorder# 1508085A**

Seven 1 Liter Summa Canister (100% Certified) samples were received on August 04, 2015. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples VP-1, VP-2, VP-3, VP-4, VP-5 and DUP due to the presence of high level non-target species.

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds EPA METHOD TO-15 GC/MS

Client Sample ID: VP-1

Lab ID#: 1508085A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	52000	16000000	210000	65000000

Client Sample ID: VP-2

Lab ID#: 1508085A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1200	1500	3900	4800
TPH ref. to Gasoline (MW=100)	49000	17000000	200000	70000000

Client Sample ID: VP-3

Lab ID#: 1508085A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1200	38000	4000	120000
Ethyl Benzene	1200	5200	5400	22000
TPH ref. to Gasoline (MW=100)	50000	23000000	200000	94000000

Client Sample ID: VP-4

Lab ID#: 1508085A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1100	2400	3600	7600
TPH ref. to Gasoline (MW=100)	46000	15000000	190000	61000000

Client Sample ID: VP-5

Lab ID#: 1508085A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	45000	13000000	180000	53000000

Client Sample ID: DUP

Lab ID#: 1508085A-06A

**Summary of Detected Compounds
EPA METHOD TO-15 GC/MS**

Client Sample ID: DUP

Lab ID#: 1508085A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1300	1300	4000	4200
TPH ref. to Gasoline (MW=100)	51000	17000000	210000	70000000

Client Sample ID: EB

Lab ID#: 1508085A-07A

No Detections Were Found.

Client Sample ID: VP-1

Lab ID#: 1508085A-01A

EPA METHOD TO-15 GC/MS

File Name:	14081710	Date of Collection:	7/31/15 10:45:00 AM
Dil. Factor:	258	Date of Analysis:	8/17/15 02:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1300	Not Detected	4100	Not Detected
Toluene	1300	Not Detected	4900	Not Detected
Ethyl Benzene	1300	Not Detected	5600	Not Detected
m,p-Xylene	1300	Not Detected	5600	Not Detected
o-Xylene	1300	Not Detected	5600	Not Detected
Naphthalene	5200	Not Detected	27000	Not Detected
TPH ref. to Gasoline (MW=100)	52000	16000000	210000	65000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	130	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: VP-2

Lab ID#: 1508085A-02A

EPA METHOD TO-15 GC/MS

File Name:	14081711	Date of Collection:	7/31/15 1:20:00 PM
Dil. Factor:	244	Date of Analysis:	8/17/15 02:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1200	1500	3900	4800
Toluene	1200	Not Detected	4600	Not Detected
Ethyl Benzene	1200	Not Detected	5300	Not Detected
m,p-Xylene	1200	Not Detected	5300	Not Detected
o-Xylene	1200	Not Detected	5300	Not Detected
Naphthalene	4900	Not Detected	26000	Not Detected
TPH ref. to Gasoline (MW=100)	49000	17000000	200000	70000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	127	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: VP-3

Lab ID#: 1508085A-03A

EPA METHOD TO-15 GC/MS

File Name:	14081712	Date of Collection:	7/31/15 12:35:00 PM
Dil. Factor:	249	Date of Analysis:	8/17/15 03:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1200	38000	4000	120000
Toluene	1200	Not Detected	4700	Not Detected
Ethyl Benzene	1200	5200	5400	22000
m,p-Xylene	1200	Not Detected	5400	Not Detected
o-Xylene	1200	Not Detected	5400	Not Detected
Naphthalene	5000	Not Detected	26000	Not Detected
TPH ref. to Gasoline (MW=100)	50000	23000000	200000	94000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	127	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: VP-4

Lab ID#: 1508085A-04A

EPA METHOD TO-15 GC/MS

File Name:	14081713	Date of Collection:	7/31/15 11:25:00 AM
Dil. Factor:	228	Date of Analysis:	8/17/15 03:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1100	2400	3600	7600
Toluene	1100	Not Detected	4300	Not Detected
Ethyl Benzene	1100	Not Detected	4900	Not Detected
m,p-Xylene	1100	Not Detected	5000	Not Detected
o-Xylene	1100	Not Detected	5000	Not Detected
Naphthalene	4600	Not Detected	24000	Not Detected
TPH ref. to Gasoline (MW=100)	46000	15000000	190000	61000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	125	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130

Client Sample ID: VP-5

Lab ID#: 1508085A-05A

EPA METHOD TO-15 GC/MS

File Name:	14081714	Date of Collection:	7/31/15 9:35:00 AM
Dil. Factor:	224	Date of Analysis:	8/17/15 04:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1100	Not Detected	3600	Not Detected
Toluene	1100	Not Detected	4200	Not Detected
Ethyl Benzene	1100	Not Detected	4900	Not Detected
m,p-Xylene	1100	Not Detected	4900	Not Detected
o-Xylene	1100	Not Detected	4900	Not Detected
Naphthalene	4500	Not Detected	23000	Not Detected
TPH ref. to Gasoline (MW=100)	45000	13000000	180000	53000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	123	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: DUP

Lab ID#: 1508085A-06A

EPA METHOD TO-15 GC/MS

File Name:	14081715	Date of Collection: 7/31/15 10:45:00 AM
Dil. Factor:	254	Date of Analysis: 8/17/15 04:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1300	1300	4000	4200
Toluene	1300	Not Detected	4800	Not Detected
Ethyl Benzene	1300	Not Detected	5500	Not Detected
m,p-Xylene	1300	Not Detected	5500	Not Detected
o-Xylene	1300	Not Detected	5500	Not Detected
Naphthalene	5100	Not Detected	27000	Not Detected
TPH ref. to Gasoline (MW=100)	51000	17000000	210000	70000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	129	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: EB

Lab ID#: 1508085A-07A

EPA METHOD TO-15 GC/MS

File Name:	14081709	Date of Collection:	7/31/15 1:40:00 PM
Dil. Factor:	2.06	Date of Analysis:	8/17/15 01:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	10	Not Detected	33	Not Detected
Toluene	10	Not Detected	39	Not Detected
Ethyl Benzene	10	Not Detected	45	Not Detected
m,p-Xylene	10	Not Detected	45	Not Detected
o-Xylene	10	Not Detected	45	Not Detected
Naphthalene	41	Not Detected	220	Not Detected
TPH ref. to Gasoline (MW=100)	410	Not Detected	1700	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: Lab Blank

Lab ID#: 1508085A-08A

EPA METHOD TO-15 GC/MS

File Name:	14081706	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/17/15 11:31 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	5.0	Not Detected	16	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Naphthalene	20	Not Detected	100	Not Detected
TPH ref. to Gasoline (MW=100)	200	Not Detected	820	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 1508085A-09A

EPA METHOD TO-15 GC/MS

File Name:	14081702	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/17/15 08:45 AM

Compound	%Recovery
Benzene	96
Toluene	101
Ethyl Benzene	106
m,p-Xylene	109
o-Xylene	107
Naphthalene	114
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: LCS

Lab ID#: 1508085A-10A

EPA METHOD TO-15 GC/MS

File Name:	14081703	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/17/15 09:29 AM

Compound	%Recovery	Method Limits
Benzene	90	70-130
Toluene	95	70-130
Ethyl Benzene	97	70-130
m,p-Xylene	96	70-130
o-Xylene	97	70-130
Naphthalene	70	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: LCSD

Lab ID#: 1508085A-10AA

EPA METHOD TO-15 GC/MS

File Name:	14081704	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/17/15 09:54 AM

Compound	%Recovery	Method Limits
Benzene	88	70-130
Toluene	94	70-130
Ethyl Benzene	95	70-130
m,p-Xylene	95	70-130
o-Xylene	98	70-130
Naphthalene	65	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

8/24/2015
Mr. Devon Owens
Stantec Consulting Corporation
15575 Los Gatos Boulevard
Building C
Los Gatos CA 95032

Project Name: 91723
Project #: 211602332
Workorder #: 1508018

Dear Mr. Devon Owens

The following report includes the data for the above referenced project for sample(s) received on 8/4/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-17 VI are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori
Project Manager

WORK ORDER #: 1508018

Work Order Summary

CLIENT:	Mr. Devon Owens Stantec Consulting Corporation 15575 Los Gatos Boulevard Building C Los Gatos, CA 95032	BILL TO:	Mr. Devon Owens Stantec Consulting Corporation 15575 Los Gatos Boulevard Building C Los Gatos, CA 95032
PHONE:	408-356-6124	P.O. #	211602332
FAX:	408-356-6138	PROJECT #	211602332 91723
DATE RECEIVED:	08/04/2015	CONTACT:	Kyle Vagadori
DATE COMPLETED:	08/21/2015		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	VP-1	Modified TO-17 VI
02A(cancelled)	VP-2	Modified TO-17 VI
03A(cancelled)	VP-3	Modified TO-17 VI
04A(cancelled)	VP-4	Modified TO-17 VI
05A(cancelled)	VP-5	Modified TO-17 VI
06A	Lab Blank	Modified TO-17 VI
07A	CCV	Modified TO-17 VI
08A	LCS	Modified TO-17 VI
08AA	LCSD	Modified TO-17 VI

CERTIFIED BY: 
 Technical Director

DATE: 08/24/15

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
 TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
 Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.

Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified EPA Method TO-17 (VI Tubes)
Stantec Consulting Corporation
Workorder# 1508018

Five TO-17 VI Tube samples were received on August 04, 2015. The laboratory performed the analysis via modified EPA Method TO-17 using GC/MS in the full scan mode. TO-17 'VI' sorbent tubes are thermally desorbed onto a secondary trap. The trap is thermally desorbed to elute the components into the GC/MS system for compound separation and detection.

A modification that may be applied to EPA Method TO-17 at the client's discretion is the requirement to transport sorbent tubes at 4 deg C. Laboratory studies demonstrate a high level of stability for VOCs on the TO-17 'VI' tube at room temperature for periods of up to 14 days. Tubes can be shipped to and from the field site at ambient conditions as long as the 14-day sample hold time is upheld. Trip blanks and field surrogate spikes are used as additional control measures to monitor recovery and background contribution during tube transport.

Since the TO-17 VI application significantly extends the scope of target compounds addressed in EPA Method TO-15 and TO-17, the laboratory has implemented several method modifications outlined in the table below. Specific project requirements may over-ride the laboratory modifications.

<i>Requirement</i>	<i>TO-17</i>	<i>ATL Modifications</i>
Initial Calibration	%RSD$\leq 30\%$ with 2 allowed out up to 40%	VOC list: %RSD$\leq 30\%$ with 2 allowed out up to 40% SVOC list: %RSD$\leq 30\%$ with 2 allowed out up to 40%
Daily Calibration	%D for each target compound within +/-30%.	Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene within +/-40%D
Audit Accuracy	70-130%	Second source recovery limits for Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene = 60-140%.
Distributed Volume Pairs	Collection of distributed volume pairs required for monitoring ambient air to insure high quality.	If site is well-characterized or performance previously verified, single tube sampling may be appropriate. Distributed pairs may be impractical for soil gas collection due to configuration and volume constraints.
Analytical Precision	$\leq 20\%$ RPD	<math>< 30\%</math> RPD for Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A sampling volume of 0.240 L was used to convert ng to ug/m3 for the associated Lab Blank.

Due to extreme matrix interference in samples VP-2, VP-3, VP-4 and VP-5, internal standard Bromofluorobenzene, could not be quantitated. As a result, the associated compound, Naphthalene could not be quantified and reported. The client was notified and samples VP-2, VP-3, VP-4 and VP-5 were cancelled.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in blank (subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
EPA METHOD TO-17**

Client Sample ID: VP-1

Lab ID#: 1508018-01A

No Detections Were Found.



Air Toxics

Client Sample ID: VP-1

Lab ID#: 1508018-01A

EPA METHOD TO-17

File Name:	m080506	Date of Extraction: 8/5/15	Date of Collection: 7/31/15 10:55:00 AM
Dil. Factor:	1.00	Date of Analysis: 8/5/15 05:31 PM	

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	Not Detected	Not Detected

Air Sample Volume(L): 0.240
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	97	50-150



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1508018-06A

EPA METHOD TO-17

File Name:	m080505	Date of Extraction:	8/5/15	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis: 8/5/15 12:23 PM			

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	1.0	4.2	Not Detected	Not Detected

Air Sample Volume(L): 0.240
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	103	50-150



Air Toxics

Client Sample ID: CCV

Lab ID#: 1508018-07A

EPA METHOD TO-17

File Name:	m080502	Date of Extraction:	8/5/15	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/5/15 10:12 AM		

Compound	%Recovery
Naphthalene	97

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	109	50-150



Air Toxics

Client Sample ID: LCS

Lab ID#: 1508018-08A

EPA METHOD TO-17

File Name:	m080503	Date of Extraction: 8/5/15	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/5/15 10:56 AM	

Compound	%Recovery	Method Limits
Naphthalene	90	70-130

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	105	50-150



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1508018-08AA

EPA METHOD TO-17

File Name:	m080504	Date of Extraction:	8/5/15	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis: 8/5/15 11:39 AM			

Compound	%Recovery	Method Limits
Naphthalene	88	70-130

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	104	50-150

Appendix E

Groundwater Field Data Sheets

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: D. Owens Well I.D.: SB-24
 Client Name: CENIC Sampled By: D. Owens Sample I.D.: SB-24-GW
 Location: 9757 San Leandro St., Oakland What QA Samples?: _____

Date Purged: 7/30/15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7/30/15 Sample Time (2400hr): 0845

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20.00 Casing Volume (gal) = Grab Sample
 Depth to water (feet) = 11.30 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 8.70 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)
<u>7/30/15</u>	<u>0845</u>	_____	<u>21.3</u>	<u>797</u>	<u>6.5</u>	<u>cloudy</u>	<u>11.30</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump
 Active Extraction Well Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: _____ (feet)

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____

SAMPLING EQUIPMENT

WW Bladder Pump
 Sample Port
 Submersible Pump
 Peristaltic Pump
 Other: _____

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated: _____

Analyses: see COC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: 

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: S-SWB Well I.D.: SB-25
 Client Name: CEMC Sampled By: S-SWB Sample I.D.: SB-25-GW
 Location: 4757 San Leandro St., Oakland, CA - What QA Samples?: _____

Date Purged: 7/29/15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7/29/15 Sample Time (2400hr): 1425

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (-0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20.0 Casing Volume (gal) = Grab Sample
 Depth to water (feet) = 10.5 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 9.5 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)
<u>7/29/15</u>	<u>1425</u>	<u>---</u>	<u>23.9</u>	<u>769</u>	<u>7.3</u>	<u>gray/cloudy</u>	<u>10.5</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: see SOC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: [Signature]

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: D. Owens Well I.D.: SB-26
 Client Name: CEMUC Sampled By: D. Owens Sample I.D.: SB-26-GW
 Location: 9757 San Leandro St., ORKUTLAND What QA Samples?: _____

Date Purged: 7/30/05 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7/30/05 Sample Time (2400hr): 1030

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20.0 Casing Volume (gal) = Grab Sample
 Depth to water (feet) = 10.5 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 9.5 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	
<u>7/30/05</u>	<u>1030</u>	_____	<u>22.9</u>	<u>660</u>	<u>7.8</u>	<u>cloudy</u>	<u>10.5</u>	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump
 Active Extraction Well Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: _____ (feet)

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____

SAMPLING EQUIPMENT

WW Bladder Pump
 Sample Port
 Submersible Pump
 Peristaltic Pump
 Other: _____

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated: _____

Analyses: see COL
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: [Signature]

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: _____ Well I.D.: SB-24
 Client Name: CEMC Sampled By: D. Owens Sample I.D.: SB-24-GW
 Location: 9757 San Leandro St. Oakland What QA Samples?: _____

Date Purged: 7/29/15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7/29/15 Sample Time (2400hr): 1350

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20.0 Casing Volume (gal) = Grab Sample
 Depth to water (feet) = 10.9 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 9.1 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)
<u>7/29/15</u>	<u>1350</u>	_____	<u>26</u>	<u>1040</u>	<u>6.7</u>	<u>gray/cloudy</u>	<u>10.9</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: see COC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____

Remarks: _____

Signature: [Signature]

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: MARK B. Well I.D.: SB-28
 Client Name: CONX Sampled By: MARK B. Sample I.D.: SB-28-GW
 Location: 9257 San Leandro St. OAKLAND, CA What QA Samples?: _____

Date Purged: 7/28/15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7/28/15 Sample Time (2400hr): 1345

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20.0 Casing Volume (gal) = Grab Sample
 Depth to water (feet) = 8.0 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 12.0 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)
<u>7/28/15</u>	<u>1345</u>	_____	<u>28.8</u>	<u>799</u>	<u>7.3</u>	<u>cloudy</u>	<u>8.0</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: see COC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: 

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: D. Owens Well I.D.: SB-29
 Client Name: COMC Sampled By: D. Owens Sample I.D.: SB-29-6W
 Location: 9157 San Leandro St., Orkney, CA What QA Samples?: _____

Date Purged: 7-28-15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7-28-15 Sample Time (2400hr): 1230

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20 Casing Volume (gal) = GRAB Sample
 Depth to water (feet) = 10 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 10 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	
<u>7/28/15</u>	<u>1230</u>	<u>---</u>	<u>22.9</u>	<u>4857</u>	<u>6.9</u>	<u>cloudy</u>	<u>10</u>	<u>---</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump
 Active Extraction Well Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: _____ (feet)

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____

SAMPLING EQUIPMENT

WW Bladder Pump
 Sample Port
 Submersible Pump
 Peristaltic Pump
 Other: _____

Bailer (disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated: _____

Analyses: see COC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: 

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: D. Jones Well I.D.: SB-30
 Client Name: CEMC Sampled By: D. Jones/S. Song Sample I.D.: SB-30-GW
 Location: 7757 San Leandro St., Oakland, CA What QA Samples?: _____

Date Purged: 7-27-15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7-27-15 Sample Time (2400hr): 1545

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20.00 Casing Volume (gal) = _____ GRAB sample
 Depth to water (feet) = 9.80 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 10.20 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)
<u>7-27-15</u>	<u>1545</u>	—	<u>24.8</u>	<u>749</u>	<u>7.8</u>	<u>clear</u>	<u>9.8</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

- Well Wizard Bladder Pump
- Active Extraction Well Pump
- Submersible Pump
- Peristaltic Pump
- Other: _____

Pump Depth: 19.5 (feet)

- Bailer (disposable)
- Bailer (PVC)
- Bailer (Stainless Steel)
- Dedicated _____

SAMPLING EQUIPMENT

- WW Bladder Pump
- Sample Port
- Submersible Pump
- Peristaltic Pump
- Other: _____

Analyses: see COC

Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____

Remarks: _____

Signature: [Signature]

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: D. Owens Well I.D.: SB-31-26
 Client Name: CEMC Sampled By: D. Owens / SSUNO Sample I.D.: SB-31-GW
 Location: 9757 San Leandro St., OAKLAND, CA What QA Samples?: _____

Date Purged: 7-27-15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7-27-15 Sample Time (2400hr): 1515

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20.00 Casing Volume (gal) = _____ GRAS SAMPLE
 Depth to water (feet) = 9.10 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 10.90 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)
<u>7-27-15</u>	<u>1515</u>	_____	<u>26</u>	<u>722</u>	<u>6.8</u>	<u>cloudy</u>	<u>9.10</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: 19.5' (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: cel COC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: 

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: D. Owens Well I.D.: SB-32
 Client Name: UWMC Sampled By: D. Owens Sample I.D.: SB-32-GW
 Location: 9757 Sun Lander St. Oklawaha What QA Samples?: _____

Date Purged: 7/28/15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7/28/15 Sample Time (2400hr): 1440

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20 Casing Volume (gal) = 6000 Sample
 Depth to water (feet) = 10 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 10 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)
<u>7/28/15</u>	<u>1440</u>	<u>—</u>	<u>21.7</u>	<u>888</u>	<u>6.7</u>	<u>cloudy</u>	<u>10</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

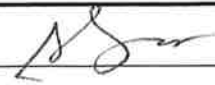
Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: See COC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: 

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: MARK B. Well I.D.: SB-33
 Client Name: CENIC Sampled By: MARK B. Sample I.D.: SB-33-GW
 Location: 9757 San Leandro St., OAKLAND What QA Samples?: _____

Date Purged: 7/28/15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7/28/15 Sample Time (2400hr): 1545

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 20 Casing Volume (gal) = Grab Sample
 Depth to water (feet) = 10 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 10 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)
<u>7/28/15</u>	<u>1545</u>	_____	<u>24</u>	<u>819</u>	<u>7.9</u>	<u>cloudy</u>	<u>10.0</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: See COC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: [Signature]

STANTEC CONSULTING GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. _____ Purged By: D. Ooms Well I.D.: SB-34
 Client Name: CEMC Sampled By: D. Ooms Sample I.D.: SB-34-GW
 Location: 9257 Sun Leandro St., Oakland, CA What QA Samples?: _____

Date Purged: 7/30/15 Start (2400hr): _____ End (2400hr): _____
 Date Sampled: 7/30/15 Sample Time (2400hr): 1200

Casing Diameter: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other 1"
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 22.0 Casing Volume (gal) = Grab Sample
 Depth to water (feet) = 10.6 Calculated Purge (gal) = _____ (3 casing vols.)
 Water column height (feet) = 9.4 Actual Purge (gal) = _____

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	DTW (ft)	
<u>7/30/15</u>	<u>1200</u>	<u>---</u>	<u>22.7</u>	<u>728</u>	<u>7.9</u>	<u>cloudy</u>	<u>10.6</u>	<u>---</u>

D.O. _____ mg/l, _____ %

PURGING EQUIPMENT

Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

WW Bladder Pump Bailer (disposable)
 Sample Port Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated: _____
 Other: _____

Analyses: see COC
 Sample Vessel / Preservative: _____ Odor: _____

Well Integrity: _____
 Remarks: _____

Signature: [Signature]

Appendix F

Soil Vapor Sample Collection Data Logs

Soil Vapor Sample Collection Data Log



Project: Chevron 91723
 Address: 9757 San Leandro St., Oakland, CA
 Date: 7/31/15
 Field Personnel: SUTHERLAND SURG, PERVAZ OWNERS
 Weather: CLEAR
 Surface Soil Conditions: _____
 Outdoor Environment Conditions: _____

	VP-1	VP-2	VP-3	VP-4	VP-5	DUPLICATE
Preliminary Data						
Sample ID:	VP-1	VP-2	VP-3	VP-4	VP-5	DUP
Canister Serial No.:	000000881	20099	000000343	3775	50147	000002644
Flow Controller Serial No.:	40844	100573	100587	30809	100074	40844
Sample Depth (ft):	6	6	6	6	6	6
Probe Tubing Length (ft):	7	7	7	7	7	7
Manifold Tubing Length (ft):	1	1	1	1	1	1
Calculated Purge Volume (mL):	130	130	130	130	130	130
Calculated Purge Duration (min):	1	1	1	1	1	1
Vacuum Leak Testing						
Start Time:	1020	1310	1223	1112	0948	1020
Initial Vacuum (in Hg):	-25	-23	-24	-25	-20	-25
End Time:	1022	1312	1225	1114	0950	1022
Final Vacuum (in Hg):	-25	-23	-24	-25	-20	-25
Duration of Leak Test (min):	2	2	2	2	2	2
Pass/Fail:	PASS	PASS	PASS	PASS	PASS	PASS
Purging						
Start Time:	1025	1314	1225	1115	0920	1025
End Time:	1026	1315	1226	1116	0921	1026
Purge Duration (min):	1	1	1	1	1	1
Start Vacuum:	---	---	---	---	---	---
End Vacuum:	---	---	---	---	---	---
Total Vacuum Drop:	---	---	---	---	---	---
Sample Collection and Tracer Gas Monitoring						
Initial Canister Vacuum (in Hg):	-30	-30	-29	-30	-30	-30
Start Time:	1030	1315	1230	1120	0930	1030
Helium @ Start (%):	33	42	38	49	24	33
Helium @ 5 min (%):	25	30	30	45	35	35
Helium @ 10 min (%):	30					30
Helium @ 15 min (%):	28					28
Helium @ 20 min (%):						
Helium @ 25 min (%):						
Helium @ 30 min (%):						
Helium @ 35 min (%):						
Helium @ 40 min (%):						
Helium @ 45 min (%):						
Helium @ 50 min (%):						
Helium @ 55 min (%):						
Helium @ 60 min (%):						
End Time:	1045	1320	1235	1125	0935	1045
Final Canister Vacuum (in Hg):	-5	-4	-4	-4	-4	-5

Comments
 SOIL VAPOR TRACER SAMPLES:
 VP-1 - purged 240 mL @ 1055
 VP-2 - purged 240 mL @ 1325
 VP-3 - purged 240 mL @ 1240
 VP-4 - purged 240 mL @ 1125
 VP-5 - purged 240 mL @ 0945
 EB collected @ 1340
 CAN# 34613