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June 23, 2014

Mr. Mark Detterman
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Union Oil Company of California Service Station
(CEMC 371572)
3645 San Pablo Avenue
Emeryville, CA

I have reviewed the attached *Data Gap Report and Request for Low-Threat Closure.*

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

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

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

Sincerely,

Carryl MacLeod
Project Manager

Attachment: *Data Gap Report and Request for Low-Threat Closure*

CONESTOGA-ROVERS & ASSOCIATES

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June 23, 2014 Reference No. 062056

Mr. Mark Detterman
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway
Alameda, California 94502

Re: Data Gap Report and Request for Low-Threat Closure
Former Union Oil Company of California Service Station (CEMC 371572)
3645 San Pablo Road
Emeryville, California
ACEH Case RO0003068

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *Data Gap Report and Request for Low-Threat Closure* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). This report summarizes the results of soil and groundwater sampling, a sensitive receptor survey, and a preferential pathway study. The purpose of this work was to address previously identified data gaps and compare site conditions to low-threat closure criteria established in the State Water Resources Control Board's (SWRCB) Low-Threat Underground Storage Tank Case Closure Policy (*Low-Threat Policy*).[1]

Work was performed in accordance with previously submitted *Work Plan for Subsurface Investigation* (Work Plan), dated November 22, 2012, and *Site Conceptual Model and Work Plan Addendum* (Addendum), dated March 31, 2013. Alameda County Environmental Health (ACEH) conditionally approved the Work Plan and Addendum in a letter dated July 12, 2013 (Attachment A). Presented below are the site description and background, investigation results, comparison of site conditions to low-threat closure criteria, and recommendations.

SITE DESCRIPTION AND BACKGROUND

The triangularly-shaped site is currently occupied by a restaurant, Lane Splitters Pizza, located at 3645 San Pablo Avenue, on the corner of Adeline Street and San Pablo Avenue in a primarily commercial area of Emeryville, California (Figure 1). The MacArthur Boulevard underpass runs east-west just north of the site and highway 580 is located south of the site. A service

[1] California State Water Resources Control Board, 2012, *Low-Threat Underground Storage Tank Case Closure Policy,* Title 23, 2923, OAL File No. 2012-0618-02 S, May 1.

station reportedly operated at the site from 1947 through 1966, when the station ceased operation and the station building was demolished.[2] It is unknown if the underground storage tanks (USTs) and piping were removed during or after site demolition. Also in 1966, a building was constructed and utilized as a convenience/liquor store. In the early 2000s, the building was demolished.

In 2010, a new building, which currently occupies the site, was constructed. The site is overlain primarily by the building structure with a concrete slab and concrete and brick sidewalks. Small planters with metal grates containing trees are located in several locations in the sidewalk primarily on the east side of the property. The building currently houses a restaurant (Lane Splitter Pizza).

A total of 21 soil samples have been collected since 2004 (Figure 2) and approximately 153 tons (95 cubic yards) of soil was excavated in 2009[3] during site redevelopment activities. A summary of previous environmental investigation is included as Attachment B.

DATA GAP WORK ACTIVITIES

As mentioned above, a Site Conceptual Model (SCM) was prepared previously for the site and is included in the March 31, 2013 report entitled *Site Conceptual Model and Work Plan Addendum*. The following data gaps are addressed below:

- Evaluation of sensitive receptors and exposure pathways.
- Assess offsite, upgradient, and downgradient extent of hydrocarbons in soil and shallow groundwater near presumed source areas.

SENSITIVE RECEPTORS AND EXPOSURE PATHWAYS

Water Supply Wells

CRA conducted a well search by reviewing files maintained by the Alameda County Public Works Agency (ACPWA). CRA's review identified three wells within a half-mile radius of the site (Attachment E). Of the three wells identified, two of them are classified by Alameda

[2] Ninyo & Moore, 2002, *Phase I Environmental Site Assessment*, 3645 San Pablo Avenue, Emeryville, California, February 6, 2002.

[3] Northgate Environmental Management, Inc. (Northgate), 2009. *Remedial Action Report,* November 9, 2009

County as abandoned ("well not being used and has not been destroyed through permit process"). No other information was provided. The remaining well is classified for industrial purposes and is located approximately 625 feet south (crossgradient) of the site. However, the files reviewed did not specify if the well was still active. No water supply wells (municipal or domestic wells) were identified within the half-mile radius search of the site.

Surface Water

The nearest surface water is the San Francisco Bay, located approximately 4,500 feet west of the site. The City of Oakland's Lake Merritt is located approximately 1.5 miles southeast of the site. Based on the groundwater flow direction and distance from the site, these surface water bodies are not likely to be impacted by residual hydrocarbons remaining at the site.

Onsite Human Receptors

The site currently operates as a restaurant (Lane Splitter Pizza) and is therefore occupied by restaurant staff and customers during business hours.

Offsite Receptors

The properties immediately adjacent to the site are commercial; some residential properties are present beyond the adjacent commercial properties to the south. The majority of the commercial properties are overlain by asphalt and concrete. The closest residential property is approximately 155 feet southwest of the site, across Adeline Street. The extent of identified residual hydrocarbons are limited onsite, and have likely degraded and continue to do so given station operations ceased at the site almost 50 years ago and, therefore, do not present a significant risk to offsite receptors (Table 1 and 2).

The following facilities were identified within 2,000 feet of the site:

- Longfellow Child Care Center, 1,500 feet east
- Anna Yates Elementary School, 1,500 feet north
- Satellite Senior Homes, 1,500 feet south

Preferential Pathway Study

CRA contacted the City of Emeryville in order to review utility maps. CRA was only able to obtain a copy of the sewer and street lighting utility maps. Additionally, CRA reviewed the Underground Service Alert (USA) markings and private utility locator's report and incorporated the approximate utility location information into the Site Plan (Figure 2). Given

the shallowest historic depth to groundwater at the site is 15 feet below grade (fbg) and relatively low dissolved hydrocarbons were reported in groundwater during recent assessment activities, it is unlikely existing utilities provide a preferential pathway for significant hydrocarbon migration offsite.

SOIL AND GROUNDWATER CHARACTERIZATION

Soil Boring Advancement and Soil Sampling

Soil borings B-17 through B-23 (Figure 2) were advanced on January 28 through 30, 2014 by Vapor Tech Services, of Hayward, California (C-57 No. 916085) under CRA's supervision in accordance with ACPWA Water Resources Well Permit number W2013-0941. An encroachment permit was also obtained from the City of Emeryville in order to complete the work in the public right-of-way. Copies of the well permit and encroachment permit are included as Attachment B.

After each location was hand cleared to 8 fbg, direct-push rods were advanced to a total depth of approximately 30 to 45 fbg at each location. Soil samples were collected from each borehole at 5-foot intervals, beginning at approximately 5 fbg to total explored depth. The 5-foot samples were collected using a hand auger and subsequent soil samples were collected in Macrocore® sampling liners. A saturated soil sample was collected from each of the boreholes at varying depths ranging from 30 to 43 fbg. The soil samples were capped with Teflon squares and plastic end caps, labeled, and placed on ice pending transport for analysis. Samples were also screened in the field using visual observation and a photo-ionization detector (PID). Boring logs are included as Attachment C.

Soils encountered during drilling are generally consistent with soils encountered during previous investigations. Sandy gravel fill was encountered at ground surface to a depth of approximately 1 to 2 fbg. Beneath the fill, 2 to 4 feet of silt/clay mixtures were encountered to depths ranging between approximately 1.5 and 5 fbg. Underlying the silt/clay layer, alternating layers of sandy silts with clays, and silt/sand mixtures were encountered to the total explored depth of 30 to 45 fbg, with lenses of coarse sand and fine gravel at varying depths. First encountered groundwater was observed between 17 and 42 fbg.

SOIL LABORATORY ANALYSIS

Soil samples were shipped under chain-of-custody (COC) protocol to Eurofins Lancaster Laboratories in Lancaster, Pennsylvania for analysis. Laboratory analytical reports for soil

samples are included as Attachment D, and analytical results are summarized in Table 1. Soil samples were analyzed for the following:

- Total petroleum hydrocarbons as diesel (TPHd) by Environmental Protection Agency (EPA) Method 8015B modified with silica gel clean up
- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B modified
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) and methyl tertiary butyl either (MTBE) by EPA Method 8260B
- 16 priority pollutant polycyclic aromatic hydrocarbon (PAHs) by EPA Method 8270 SIM: 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, benzo(g,h,i)perylene
- Chlorinated solvents by EPA Method 8260B/C for 1,2-dibromoethane (EDB) and 1,2-dichloroethane (EDC)
- Metals: cadmium, chromium, nickel, lead and zinc by EPA 6010/6020

SOIL ANALYTICAL RESULTS

Soil analytical results from the current assessment as well as historical data are included in Table 1. The Low-Threat Policy identifies benzene, ethylbenzene and naphthalene as indicators for Direct Contact and Outdoor Air Exposure. The current investigation results are:

- Benzene was only detected in two samples from 20 fbg in B-19 and B-20 at concentrations of 0.10 mg/kg and 0.017 mg/kg, respectively.
- Ethylbenzene was only detected in three samples from B-19 and B-20 at concentrations ranging from 0.001 mg/kg (B-20 @30 fbg) and 0.11 mg/kg (B-19 @20 fbg).
- Naphthalene was detected in samples from borings B-17 through B-23 at concentrations ranging from 0.00068 mg/kg (B-23 @15 fbg) to 0.71 mg/kg (B-20 @20 fbg).

In addition, MTBE was detected in only 3 of 51 soil samples analyzed at a maximum concentration of 0.002 mg/kg at 25 fbg in B-22.

GRAB-GROUNDWATER SAMPLING

Grab-groundwater samples were collected using a direct push technology groundwater sampler at each boring location and a peristaltic pump with disposable tubing, or a disposal

bailer depending on depth and conditions. The samples were decanted into clean laboratory-approved containers, properly sealed, labeled, and preserved on ice.

Two of the soil borings (SB-18 and SB-19) were observed having extremely slow groundwater recharge rates. The borings were advanced to depth and CRA staff waited for water to filter in. Both SB-18 and SB-19 were advanced to a deeper depth due to limited water production. The table below details initial and static groundwater depths, total depths and notes pertaining to each boring.

Soil Boring	*First Encountered Water (fbg)*	*Static water (fbg)*	*Total Depth Explored (fbg)*	*Notes*
SB-17	18	15	30	
SB-18	18	38	40	Limited groundwater retrieval after waiting approximately 1 hour-TPHd and TPHmo not analyzed due to insufficient water.
SB-19	42	34.5	45	Limited groundwater retrieval after waiting approximately 6 hours- TPHmo not analyzed due to insufficient water.
SB-20	17	25	38	
SB-21	34	31	37	
SB-22	31	22	37	
SB-23	31	18	37	

GRAB-GROUNDWATER LABORATORY ANALYSIS

Grab-groundwater samples were shipped under COC protocol to Eurofins Lancaster Laboratories in Lancaster, Pennsylvania for analysis. Laboratory analytical reports for groundwater sample analyses are included as Attachment D. Groundwater samples were analyzed for the following:

- TPH-motor oil by EPA Method 8015B modified (except for SB-18 and SB-19)
- TPHd by EPA Method 8015B modified with silica gel clean up (except for SB-18)
- TPHg by EPA Method 8015B modified
- BTEX and MTBE by EPA Method 8260B
- 16 priority pollutant polycyclic aromatic hydrocarbon (PAHs) by EPA Method 8270 SIM: 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, benzo(g,h,i)perylene
- Chlorinated Solvents by EPA Method 8260B/C for 1,2-dibromoethane (EDB) and 1,2-dichloroethane (EDC)

GRAB-GROUNDWATER SAMPLE RESULTS

Grab-groundwater sample results are summarized in Table 2 and indicate the following:

- TPH-motor oil was analyzed for in samples from borings B-17, B-20 through B-23 and only detected in B-21 at a concentration of 740 micrograms per liter (µg/L).
- TPHd with silica gel clean up was analyzed for in samples from all borings with the exception of B-18 and was detected in borings B-17, B-19 through B-21 with concentrations ranging from 240 µg/L (B-17) to 470 µg/L (B-20).
- TPHg was analyzed for in samples from all borings and detected in B-17 through B-19 at concentrations of 1,900 µg/L, 84 µg/L, and 2,800 µg/L, respectively.
- Benzene was only detected in samples from B-19 at a concentration of 31 µg/L. Toluene and ethylbenzene were only detected in samples from B-17 (0.9 µg/L and 1 µg/L, respectively) and B-19 (6 µg/L and 46 µg/L, respectively). Total xylenes were only detected in samples from B-17, B-19 and B-22 at concentrations of 1 µg/L, 19 µg/L, and 0.7 µg/L, respectively.
- MTBE was only detected in the sample from MW-17 at a concentration of 0.8 µg/L.
- Naphthalene was detected in samples from B-17 through B-20 at concentrations 0.20 µg/L, 0.33 µg/L, 2.7 µg/L, and 0.18 µg/L, respectively.
- 1, 2-DCA was only detected in samples from B-17 at a concentration of 0.5 µg/L, and in samples from B-18 and B-19 with the same concentration of 4 µg/L. EDB was not detected.

LOW-THREAT CLOSURE CRITERIA EVALUATION

Using site data previously reported in the SCM, as well as recently obtained data, site conditions were compared to low-threat closure criteria summarized below.

PURPOSE OF THE LOW-THREAT UNDERGROUND STORAGE TANK CASE CLOSURE POLICY

On August 17, 2012, the SWRCB adopted the policy via Resolution 2012-0016. The intent of the policy is to increase cleanup process efficiency at petroleum release sites. A benefit of improved efficiency is the preservation of limited resources for mitigation of releases posing the greatest

threat to human and environmental health. Per the policy, sites that meet the specified general and media-specific criteria pose a low threat to human health, safety, and the environment and are appropriate for case closure pursuant to Health and Safety Code section 25296.10. The policy further states that those sites that meet the criteria for low-threat closure do not require further corrective action and shall be issued a uniform closure letter. The general and media-specific criteria are described below.

GENERAL CRITERIA

The eight general criteria that must be satisfied by all candidate sites, and the site-specific evaluation for each of these criteria, are presented below. ACEH in their July 12, 2013 letter specifically identified that the site did not meet LTCP General Criteria e and f.

a) The unauthorized release is located within the service area of a public water system.
Satisfied: Water for the site and surrounding vicinity is provided by the East Bay Municipal Utility District (EBMUD). EBMUD's water supply comes from the Mokelumne River watershed located in the Sierra Nevada and extends 90 miles to the East Bay.

b) *The unauthorized release consists only of petroleum.*
Satisfied: The unauthorized release at the site has been characterized as a release of petroleum-based products (gasoline and related constituents).

c) The unauthorized ("primary") release from the UST system has been stopped.
Satisfied: Service station operation was ceased in 1966. It is unknown when the petroleum storage and handling facilities that are the suspected source of the release (fuel dispensers, product piping, and USTs) were removed; however, Ninyo & Moore reported that sometime before 1969 the site appears void of dispenser islands and structures based on review of historical aerial photographs. The site was redeveloped in 1975 as a convenience/liquor store.

d) *Free product has been removed to the maximum extent practicable.*
Satisfied: Light non-aqueous phase liquid (LNAPL) has not been observed.

e) A conceptual site model that assesses the nature, extent, and mobility of the release has been developed.
Satisfied: The elements of a conceptual site model (CSM) are presented in CRA's *Site Conceptual Model and Work Plan Addendum* submitted on March 31, 2013, and this *Data Gap Report and Request for Low-Threat Closure,* which summarizes further site assessment activities.

f) Secondary source has been removed to the extent practicable.
Satisfied: During redevelopment activities in 2009, approximately 153 tons of stained and odorous soil was removed from two excavations, one of which was the presumed former UST pit (Figure 2). An orphan UST was discovered during installation of a fire line main near the southwest corner of the site in 2009 and properly cleaned and abandoned in place. Given the site is almost completely covered by a commercial structure, further removal of remaining secondary source is not practical.

g) Soil and groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code section 25296.15.
Satisfied: Samples collected during subsurface investigations have been analyzed for MTBE, and reported in accordance with Health and Safety Code section 25296.15.

h) Nuisance as defined by Water Code section 13050 does not exist at the site.
Satisfied: Conditions defined as a "nuisance" in Water Code section 13050 do not exist at the site.

MEDIA-SPECIFIC CRITERIA

Impacts to human health and the environment can occur due to releases from USTs through contact with contaminated media (groundwater, surface water, soil, and soil vapor) via various exposure pathways. In the policy, the most common exposure scenarios have been combined into three media-specific criteria:

1. Groundwater
2. Vapor Intrusion to Indoor Air
3. Direct Contact and Outdoor Air Exposure

ACEH in their July 12, 2013 letter indicated the site did not meet LTCP Media-Specific Criteria for Groundwater, Media-Specific Criteria for Vapor Intrusion to Indoor Air and Media-Specific Criteria for Direct Contact.

Groundwater

It is a fundamental tenet of the policy that if the closure criteria described in the policy are satisfied at an unauthorized petroleum release site, attaining background water quality is not feasible, and applicable water quality objectives (WQOs) will be attained through

natural attenuation within a reasonable amount of time, prior to the expected need for use of any affected groundwater. If a site has groundwater with a designated beneficial use that is affected by an unauthorized release, to satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds WQOs must be stable or decreasing in aerial extent, and meet all of the additional characteristics of one of the five classes of sites listed in the policy.

Satisfied: The site meets the characteristics of Class 2 criteria:

a. The contaminant plume that exceeds WQOs is less than 250 feet in length. The plume appears to be primarily confined to the site boundaries. Recent grab-groundwater sampling indicates limited, relatively low residual dissolved hydrocarbons at only two of the seven sampling locations around the site.
b. There is no free product.
c. The nearest existing water supply well or surface water body is greater than 1,000 feet from the defined plume boundary. The closest identified industrial well is located approximately 625 feet southwest (presumed crossgradient) of the site.
d. The dissolved concentration of benzene is less than 3,000 micrograms per liter (µg/L) and the dissolved concentration of MTBE is less than 1,000 µg/L. Benzene and MTBE were only detected in one grab-groundwater sample at concentrations of 31 µg/L and 0.8 µg/L, respectively.

Petroleum Vapor Intrusion to Indoor Air

The low-threat vapor intrusion criteria described below apply to sites where the release originated and impacted or potentially impacted adjacent parcels when: (1) existing buildings are occupied or may be reasonably expected to be occupied in the future, or (2) buildings for human occupancy are reasonably expected to be constructed in the future.

Petroleum release sites will satisfy the media-specific screening criteria for petroleum vapor intrusion if:

a. Site-specific conditions at the release site satisfy all of the characteristics and criteria of scenarios 1 through 3 as applicable, or all of the characteristics and criteria of scenario 4 as applicable; or,
b. A site-specific risk assessment for vapor intrusion is conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency; or,
c. The regulatory agency determines there is no significant risk of adversely affecting human health through the use of institutional or engineering controls.

Petroleum release sites shall satisfy the media-specific criteria for petroleum vapor intrusion to indoor air and be considered low-threat for the vapor intrusion to indoor air pathway if any of the above criteria are met.

Satisfied: The transport pathway of chemicals in subsurface soil by volatilization of soil gas to the atmosphere is considered to be incomplete (due to the concrete sub-slab) and direct contact with chemicals in near surface soils is unlikely based on the soil and groundwater analytical data (LTC: Appendix 3-Scenario 3). Additionally, the previous property owner, Placeworks, LLC, stated that a vapor barrier was installed under the current concrete sub-slab. Potential vapor migration from petroleum hydrocarbons in soil through the planters is minimal due to surface irrigation water infiltration and limited exposed surface area.

Direct Contact and Outdoor Air Exposure

The policy describes conditions where direct contact with contaminated soil or inhalation of contaminants volatized to outdoor air poses an insignificant threat to human health. Release sites where human exposure may occur satisfy media-specific criteria for direct contact and outdoor air exposure and shall be considered low-threat if they meet any one of the following:

a. Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the table below for the specified depth below ground surface. The limits from 0 to 5 feet below grade (fbg) protect from ingestion, dermal contact, and outdoor inhalation of volatile and particulate emissions. The 5 to 10 fbg limits protect from inhalation of volatile emissions only; the ingestion and dermal contact pathways are not considered significant. In addition, if exposure to construction workers or utility trench workers is reasonably anticipated, the concentration limits for Utility Worker shall also be satisfied.
b. Maximum concentrations of petroleum constituents in soil are less than levels that a site-specific risk assessment demonstrates will have no significant risk of adversely affecting human health.
c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health.

Cumulative site soil data was compared to the Low-Threat Criteria for Direct Contact and Outdoor Air Exposure in the table below.

	Policy Criteria					*Site Data*	
	Residential		*Commercial/Industrial*		*Utility Worker*	*Maximum Site Concentration*	
Constituent	*0–5 fbg (mg/kg)*	*Volatilization to outdoor air 5–10 fbg (mg/kg)*	*0–5 fbg (mg/kg)*	*Volatilization to outdoor air 5–10 fbg (mg/kg)*	*0–10 fbg (mg/kg)*	*0–5 fbg (mg/kg)*	*5–10 fbg (mg/kg)*
Benzene	1.9	2.8	8.2	12	14	0.03	0.077
Ethylbenzene	21	32	89	134	314	0.15	1.5
Naphthalene	9.7	9.7	45	45	219	1.3	6.3
PAH*	0.063	NA	0.68	NA	4.5	<0.00066	<0.00066

* Based on the seven carcinogenic polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene toxicity equivalent [BaPe]. The PAH screening level is only applicable where soil is affected by either waste oil and/or Bunker C fuel.
NA = not analyzed

Satisfied: The site meets criteria (a) above as a commercial/industrial site. None of the residential or commercial limits within the 0 to 5 fbg and 5 to 10 fbg depth intervals are exceeded, nor are the limits for utility workers. Cumulative soil sample data are presented in Table 1. The site is currently zoned as commercial/industrial and will likely remain this way into the foreseeable future. Further, the site is almost completely covered by a commercial slab-on-grade structure constructed in 2010 and by concrete or brick sidewalks. The only exposed soil is in the small planter areas that are covered by metal grates, thereby further minimizing potential risk associated with direct contact.

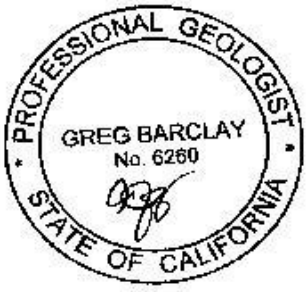
RECOMMENDATIONS

Based on previously reported site conditions and results of recent soil and grab-groundwater sampling, the site meets general and media-specific closure criteria outlined in the *Low-Threat Closure Policy*. We therefore recommend ACEH grant site closure in accordance with the *Low-Threat Closure Policy*.

Please contact Brian Silva at (916) 889-8908 if you have any questions or need any additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES



Brian Silva

Greg Barclay, PG 6260

BRS/mws/4
Encl.

Figure 1	Vicinity Map
Figure 2	Site Plan
Table 1	Summary of Soil Analytical Results
Table 2	Summary of Grab-Groundwater Analytical Results

Attachment A	ACEH Correspondence
Attachment B	Permits
Attachment C	Boring Log
Attachment D	Laboratory Analytical Results
Attachment E	Well Survey

cc: Carryl Macleod, Chevron (electronic copy only)
Dan Vic Diversified, LLC
Placeworks, LLC
Markus Niebanck, City of Emeryville Redevelopment Agency

FIGURES

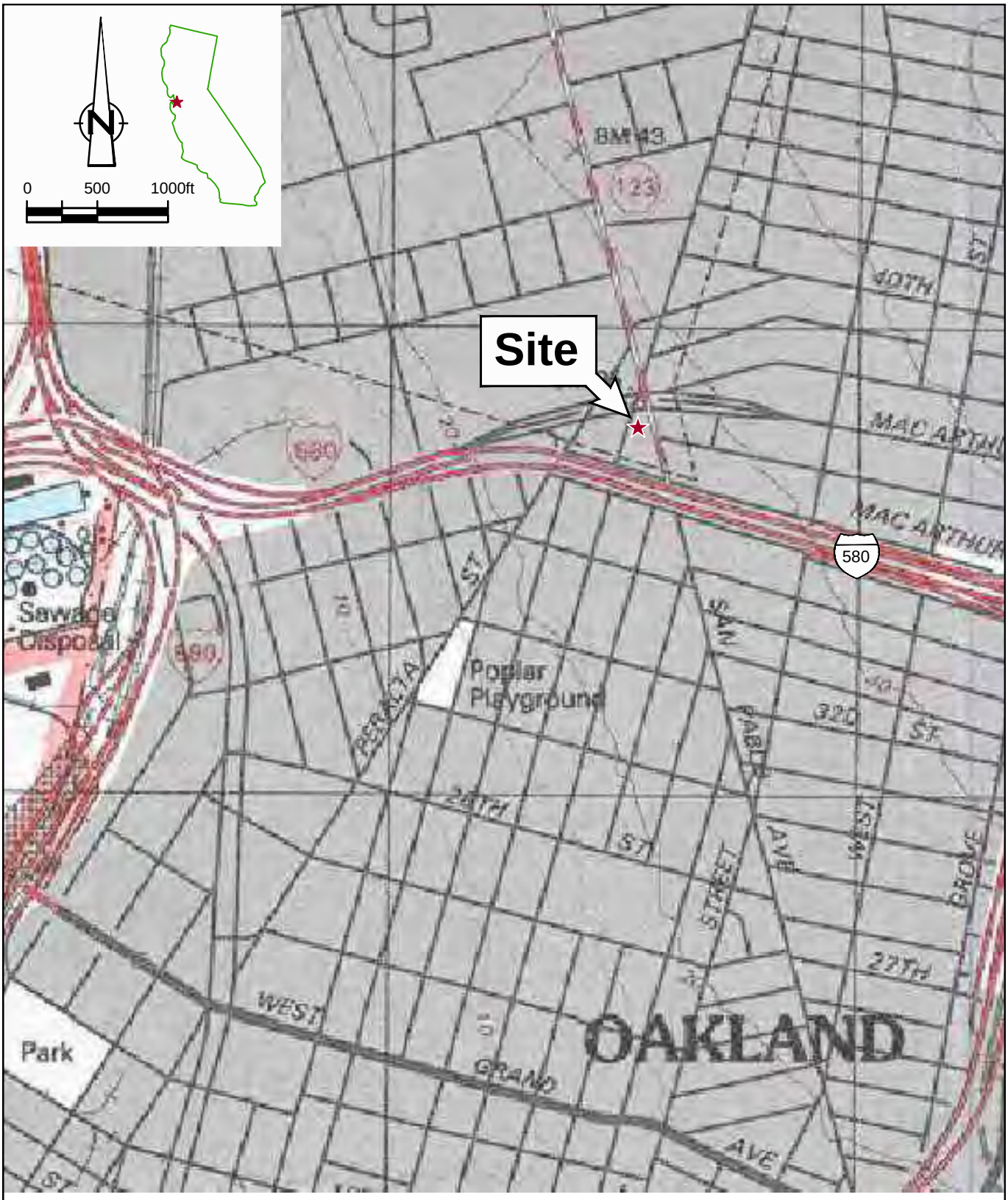


Figure 1

SITE VICINITY MAP
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO AVENUE
Emeryville, California

CRA

62056-2013.2(004)GN-WA001 APR 2/2014

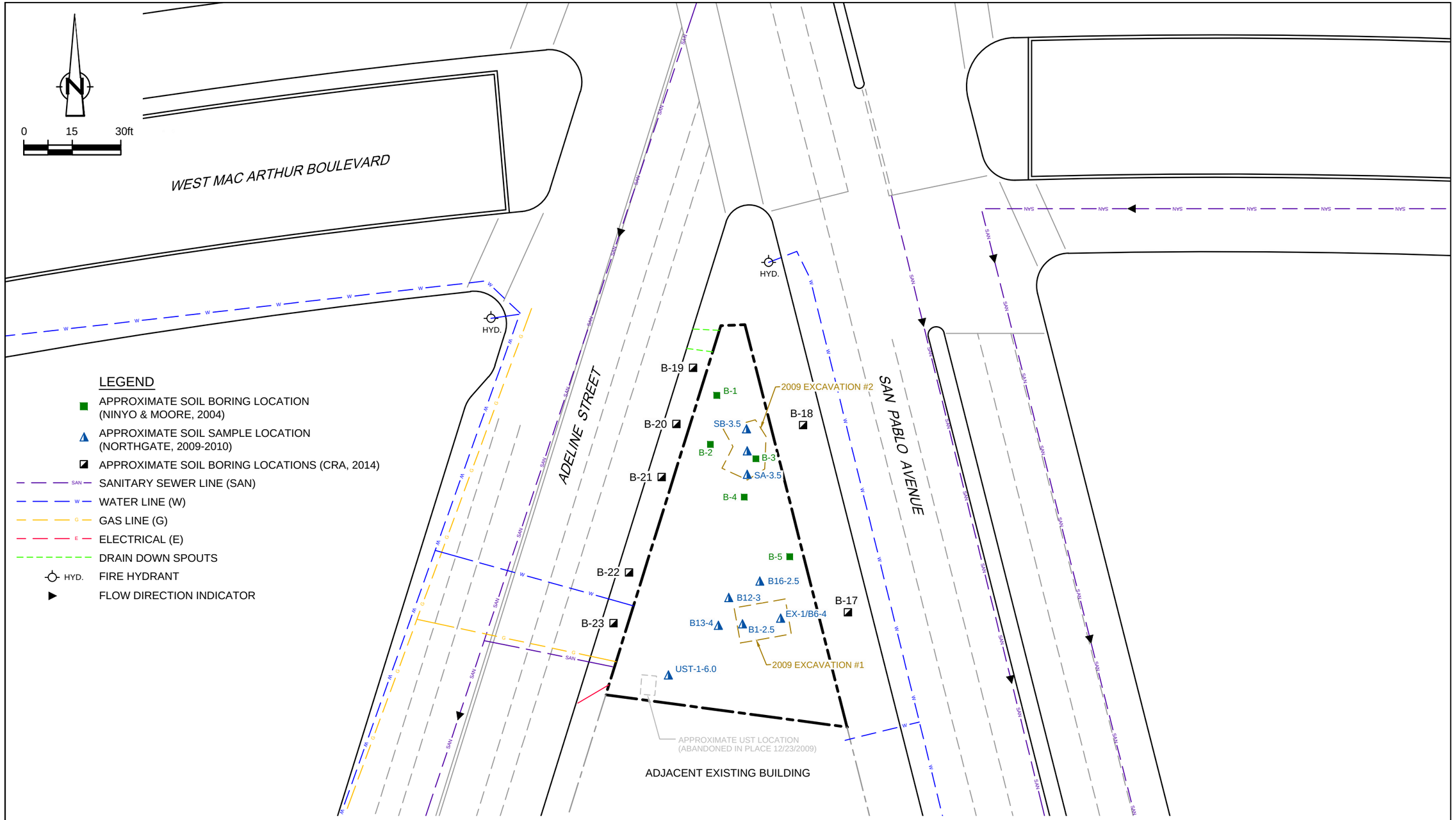


Figure 2

SITE PLAN
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO AVENUE
Emeryville, California

TABLES

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO ROAD
EMERYVILLE, CALIFORNIA

			HYDROCARBONS					*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	Depth	Date	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*TPH-HRO*	*TPH - Extractable*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*EDB*	*1,2-DCA*
	ft BGS	Units	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
B1	2.5	05/22/2009	57 Y	-	<1.0	230	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	-
B1	5	02/06/2004	<0.99	-	0.41 L Y	<5.0	-	0.0075 C	<0.00083	0.0034 C	<0.00083	<0.0033	-	-
B1	10	02/06/2004	17 L Y	-	3.5 Y	<5.0	-	0.018 C	0.018 C	0.037 C	0.022 C	0.007 C	-	-
B2	5	02/06/2004	2.2 L Y	-	2.4 L Y	<5.0	-	0.03 C	0.014 C	0.020 C	0.007 C	0.011 C	-	-
B2	10	02/06/2004	51 L Y	-	40 Y	<5.0	-	0.077	0.052 C	0.12	0.066 C	0.017	-	-
~~B3~~	~~5~~	~~02/06/2004~~	~~37 L Y~~	-	~~46 Y~~	~~<5.0~~	-	~~<0.025~~	~~0.11~~	~~0.42 C~~	~~0.35 C~~	~~<0.10~~	-	-
B3	10	02/06/2004	28 L Y	-	78 Y	<5.0	-	<0.025	0.39 C	0.69	0.44 C	<0.10	-	-
B4	5	02/06/2004	88 H L Y	-	<0.19	230	-	<0.00093	<0.00093	<0.00093	<0.00093	<0.0037	-	-
B4	10	02/06/2004	3.8 H L Y	-	2.2 L Y	7.6	-	0.062	0.014 C	0.014 C	0.0066 C	<0.0038	-	-
B5	5	02/06/2004	18 H L Y	-	<0.19	52	-	<0.00095	<0.00095	<0.00095	<0.00095	<0.0038	-	-
B5	10	02/06/2004	20 H L Y	-	<0.20	79	-	<0.00095	<0.00099	<0.00099	<0.00099	<0.0039	-	-
B6-S-5-1 *	5	02/06/2004	100 L Y		71 Y	<5.0		0.036 C	0.079 C	0.15	0.071	<0.0036	-	-
B6	4	05/22/2009	<1	-	<1.0	<5	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	-
B12	3	05/22/2009	150 Y	-	1.4 Y	530	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	-
B13	4	05/22/2009	36 Y	-	4.3 Y	46	-	<0.051	<0.051	<0.051	<0.051	<0.051	-	-
B16	2.5	05/22/2009	20 Y	-	<1	75	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	-
B-17	5	01/28/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-17	10	01/28/2014	-	<4.0	11	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-17	15	01/28/2014	-	31	80	<10	<10	<0.027	<0.054	<0.054	<0.054	<0.0005	<0.054	<0.054
B-17	20	01/28/2014	-	46	630	<10	<10	<0.027	<0.054	<0.054	<0.054	<0.0005	<0.054	<0.054
B-17	25	01/28/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-17	30	01/28/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-18	5	01/28/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-18	10	01/28/2014	-	110	490	<10	<10	<0.025	<0.051	<0.051	<0.051	<0.0005	<0.051	<0.051
B-18	15	01/28/2014	-	54	300	<10	<10	<0.027	<0.054	<0.054	<0.054	<0.0005	<0.054	<0.054
B-18	20	01/28/2014	-	6.4	80	<10	<10	<0.025	<0.051	<0.051	<0.051	<0.0005	<0.051	<0.051
B-18	25	01/28/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-18	30	01/28/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-18	35	01/28/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-18	40	01/28/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-19	5	01/29/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-19	10	01/29/2014	-	<4.0	1.4	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-19	15	01/29/2014	-	96	300	18	18	<0.025	<0.050	<0.050	<0.050	<0.0005	<0.050	<0.050
B-19	20	01/29/2014	-	14	88	<10	<10	0.10	<0.049	0.11	<0.049	<0.0005	<0.049	<0.049
B-19	25	01/29/2014	-	<4.0	<0.9	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-19	30	01/29/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	0.01

			SVOCS															
Location	Depth	Date	*Acenaphthene*	*Acenaphthylene*	*Anthracene*	*Benzo(a)anthracene*	*Benzo(a)pyrene*	*Benzo(b)fluoranthene*	*Benzo(g,h,i)perylene*	*Benzo(k)fluoranthene*	*Chrysene*	*Dibenz(a,h)anthracene*	*Fluoranthene*	*Fluorene*	*Indeno(1,2,3-cd)pyrene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
	ft BGS	Units	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
B1	2.5	05/22/2009	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-
B1	5	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1	10	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2	5	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2	10	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
~~B3~~	~~5~~	~~02/06/2004~~	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3	10	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4	5	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4	10	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5	5	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5	10	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6-S-5-1 *	5	02/06/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6	4	05/22/2009	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-
B12	3	05/22/2009	-	-	-	-	-	-	-	-	-	-	-	-	-	0.014	-	-
B13	4	05/22/2009	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-
B16	2.5	05/22/2009	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-
B-17	5	01/28/2014	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00034	<0.00066	<0.00066	<0.00066	<0.00066	0.00071	<0.00066	<0.00066
B-17	10	01/28/2014	<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	0.00094	<0.00066	<0.00066
B-17	15	01/28/2014	0.0057	0.0037	0.0040	0.0018	0.00070	0.0010	0.0012	<0.00066	0.0014	<0.00066	0.0034	0.0066	<0.00066	0.042	0.014	0.0045
B-17	20	01/28/2014	<0.00067	0.00042	<0.00033	0.0010	<0.00067	0.0034	0.0014	<0.00067	0.0036	<0.00067	0.0014	0.00082	<0.00067	0.059	0.0088	0.0013
B-17	25	01/28/2014	<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	0.0013	<0.00066	<0.00066
B-17	30	01/28/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	0.0031	0.00094	<0.00067	0.0024	<0.00067	0.00080	<0.00067	<0.00067	0.0023	0.0042	0.00079
B-18	5	01/28/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	0.0014	<0.00067	<0.00067
B-18	10	01/28/2014	0.0015	0.0023	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00045	<0.00067	<0.00067	0.0029	<0.00067	0.036	0.0019	<0.00067
B-18	15	01/28/2014	0.0088	0.0062	0.0030	0.0024	0.00099	0.0014	0.0010	<0.00066	0.0020	<0.00066	0.0032	0.0074	<0.00066	0.068	0.012	0.0049
B-18	20	01/28/2014	<0.00066	0.00035	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	0.00051	<0.00066	<0.00066	<0.00066	<0.00066	0.0032	0.0013	<0.00066
B-18	25	01/28/2014	<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	0.00095	<0.00066	<0.00066
B-18	30	01/28/2014	<0.00066	<0.00033	0.00043	<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
B-18	35	01/28/2014	<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
B-18	40	01/28/2014	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	0.00072	0.0016	<0.00066	0.00053	<0.00066	<0.00066	<0.00066	<0.00066	0.00080	0.00086	<0.00066
B-19	5	01/29/2014	<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
B-19	10	01/29/2014	<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	0.0010	<0.00066	<0.00066
B-19	15	01/29/2014	0.0026	0.00090	0.00036	0.00071	<0.00067	<0.00067	<0.00067	<0.00067	0.0015	<0.00067	0.0013	0.0016	<0.00067	0.011	0.0030	0.0026
B-19	20	01/29/2014	<0.00066	0.00051	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	0.0017	<0.00066	0.056	0.0011	<0.00066
B-19	25	01/29/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	0.0012	<0.00067	<0.00067
B-19	30	01/29/2014	<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	0.0017	<0.00066	<0.00066

			SUMMARY		*METALS*																
Location	Depth	Date	*VOCs*	*SVOCs*	*Antimony*	*Arsenic*	*Barium*	*Beryllium*	*Cadmium*	*Chromium*	*Cobalt*	*Copper*	*Lead*	*Mercury*	*Molybdenum*	*Nickel*	*Selenium*	*Silver*	*Thallium*	*Vanadium*	*Zinc*
	ft BGS	Units	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
B1	2.5	05/22/2009	ND (2)	-	-	-	-	-	0.49	34	-	-	92	-	-	35	-	-	-	-	50
B1	5	02/06/2004	-	-	-	-	-	-	<0.23	22	-	-	6.4	-	-	17	-	-	-	-	28
B1	10	02/06/2004	-	-	-	-	-	-	<0.26	31	-	-	4.9	-	-	55	-	-	-	-	35
B2	5	02/06/2004	-	-	-	-	-	-	<0.25	21	-	-	5.0	-	-	9.1	-	-	-	-	15
B2	10	02/06/2004	-	-	-	-	-	-	<0.22	31	-	-	5.5	-	-	60	-	-	-	-	34
~~B3~~	~~5~~	~~02/06/2004~~	-	-	-	-	-	-	~~<0.26~~	~~27~~	-	-	~~4.4~~	-	-	44	-	-	-	-	~~31~~
B3	10	02/06/2004	-	-	-	-	-	-	<0.22	28	-	-	4.8	-	-	60	-	-	-	-	33
B4	5	02/06/2004	-	-	-	-	-	-	0.41	29	-	-	59	-	-	37	-	-	-	-	460
B4	10	02/06/2004	-	-	-	-	-	-	<0.27	32	-	-	5.2	-	-	50	-	-	-	-	39
B5	5	02/06/2004	-	-	-	-	-	-	0.74	28	-	-	95	-	-	40	-	-	-	-	180
B5	10	02/06/2004	-	-	-	-	-	-	<0.26	20	-	-	60	-	-	31	-	-	-	-	64
B6-S-5-1 *	5	02/06/2004	-	-	-	-	-	-	<0.25	20	-	-	3.9	-	-	19	-	-	-	-	17
B6	4	05/22/2009	ND (3)	-	-	-	-	-	<0.25	40	-	-	5.9	-	-	59	-	-	-	-	32
B12	3	05/22/2009	ND (4)	-	-	-	-	-	<0.25	27	-	-	21	-	-	25	-	-	-	-	47
B13	4	05/22/2009	ND (5)	-	-	-	-	-	0.31	30	-	-	56	-	-	32	-	-	-	-	120
B16	2.5	05/22/2009	ND (6)	-	-	-	-	-	<0.25	22	-	-	30	-	-	23	-	-	-	-	88
B-17	5	01/28/2014	-	-	-	-	-	-	<0.0738	46.8	-	-	6.28	-	-	78.3	-	-	-	-	35.9
B-17	10	01/28/2014	-	-	-	-	-	-	<0.0738	48.5	-	-	5.15	-	-	61.5	-	-	-	-	54.1
B-17	15	01/28/2014	-	-	-	-	-	-	0.439	29.3	-	-	7.18	-	-	61.3	-	-	-	-	45.0
B-17	20	01/28/2014	-	-	-	-	-	-	<0.0731	50.6	-	-	6.08	-	-	64.5	-	-	-	-	56.8
B-17	25	01/28/2014	-	-	-	-	-	-	0.151	44.9	-	-	5.95	-	-	69.5	-	-	-	-	49.8
B-17	30	01/28/2014	-	-	-	-	-	-	0.290	81.2	-	-	6.34	-	-	115	-	-	-	-	60.0
B-18	5	01/28/2014	-	-	-	-	-	-	<0.0752	40.0	-	-	4.94	-	-	20.8	-	-	-	-	29.9
B-18	10	01/28/2014	-	-	-	-	-	-	<0.0731	50.1	-	-	4.52	-	-	80.5	-	-	-	-	51.8
B-18	15	01/28/2014	-	-	-	-	-	-	<0.0752	31.8	-	-	7.15	-	-	48.4	-	-	-	-	46.1
B-18	20	01/28/2014	-	-	-	-	-	-	<0.0752	46.1	-	-	4.28	-	-	37.8	-	-	-	-	48.7
B-18	25	01/28/2014	-	-	-	-	-	-	<0.0745	51.3	-	-	9.20	-	-	66.4	-	-	-	-	55.5
B-18	30	01/28/2014	-	-	-	-	-	-	<0.0745	32.7	-	-	10.1	-	-	78.4	-	-	-	-	47.9
B-18	35	01/28/2014	-	-	-	-	-	-	<0.0738	38.9	-	-	10.1	-	-	52.8	-	-	-	-	49.4
B-18	40	01/28/2014	-	-	-	-	-	-	<0.0752	69.2	-	-	13.5	-	-	83.3	-	-	-	-	73.3
B-19	5	01/29/2014	-	-	-	-	-	-	<0.0731	32.0	-	-	5.88	-	-	13.6	-	-	-	-	19.9
B-19	10	01/29/2014	-	-	-	-	-	-	<0.0731	51.0	-	-	10.0	-	-	88.3	-	-	-	-	46.2
B-19	15	01/29/2014	-	-	-	-	-	-	0.282	29.9	-	-	6.34	-	-	48.4	-	-	-	-	44.2
B-19	20	01/29/2014	-	-	-	-	-	-	0.350	46.4	-	-	3.60	-	-	39.3	-	-	-	-	46.6
B-19	25	01/29/2014	-	-	-	-	-	-	<0.0731	49.9	-	-	9.79	-	-	58.3	-	-	-	-	55.4
B-19	30	01/29/2014	-	-	-	-	-	-	<0.0760	30.6	-	-	8.72	-	-	45.1	-	-	-	-	43.4

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO ROAD
EMERYVILLE, CALIFORNIA

Location	Depth	Date	*HYDROCARBONS*					*PRIMARY VOCS*					*ADDITIONAL VOCS*	
			TPH-DRO	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*TPH-HRO*	*TPH - Extractable*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*EDB*	*1,2-DCA*
	ft BGS	Units	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
B-19	35	01/29/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-19	40	01/29/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-19	43	01/29/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-20	5	01/29/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-20	10	01/29/2014	-	<4.0	**31**	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-20	15	01/29/2014	-	**23**	**380**	<10	<10	<0.025	<0.050	<0.050	<0.050	<0.0005	<0.050	<0.050
B-20	20	01/29/2014	-	**75**	**37**	<10	<10	**0.017**	**0.004**	**0.090**	**0.031**	<0.0005	<0.001	<0.001
B-20	25	01/29/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-20	30	01/29/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	**0.001**	<0.001	<0.0005	<0.001	<0.001
B-20	35	01/29/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-21	5	01/29/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-21	10	01/29/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-21	15	01/29/2014	-	<4.0	**58**	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-21	20	01/29/2014	-	<4.0	**6.4**	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-21	25	01/29/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-21	30	01/29/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-21	35	01/29/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-22	5	01/30/2014	-	<4.0	<1	<10	<10	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.0009	<0.0009
B-22	10	01/30/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-22	15	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-22	20	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-22	25	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001
B-22	30	01/30/2014	-	<4.0	<1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-22	35	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-23	5	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-23	10	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-23	15	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-23	20	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	**0.0008**	<0.001	<0.001
B-23	25	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001
B-23	30	01/30/2014	-	<4.0	<1.0	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
B-23	35	01/30/2014	-	<4.0	<1.1	<10	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
BE	6	08/10/2009	**27 Y**	-	**3.7 Y**	<5.0	-	<0.027	<0.024	<0.024	<0.024	<0.024	-	-
~~EX1~~	-	~~05/22/2009~~	~~**620 Y**~~	-	~~**310 Y**~~	~~**1,700**~~	-	~~<0.005~~	~~<0.005~~	~~**1.0**~~	~~**5.3**~~	~~<0.005~~	-	-
SA	3.5	08/10/2009	**1.8 Y**	-	<1.0	<5.0	-	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	-	-
SB	3.5	08/10/2009	**3.0 Y**	-	<0.99	<5.0	-	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	-	-
~~SP2-A~~	-	~~08/10/2009~~	-	-	-	-	-	~~<0.0025~~	~~<0.0025~~	~~**3.7**~~	~~**2.6**~~	~~**2.5**~~	-	-
~~SP2-A,B,C,D~~	-	~~08/10/2009~~	~~**420**~~	-	~~**260**~~	~~**78**~~	-	-	-	-	-	-	-	-

Location	Depth	Date	*SVOCS*															
			Acenaphthene	*Acenaphthylene*	*Anthracene*	*Benzo(a)anthracene*	*Benzo(a)pyrene*	*Benzo(b)fluoranthene*	*Benzo(g,h,i)perylene*	*Benzo(k)fluoranthene*	*Chrysene*	*Dibenz(a,h)anthracene*	*Fluoranthene*	*Fluorene*	*Indeno(1,2,3-cd)pyrene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
	ft BGS	Units	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
B-19	35	01/29/2014	<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	**0.0022**	<0.00066	<0.00066
B-19	40	01/29/2014	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	**0.00081**	<0.00066	**0.00047**	<0.00066	<0.00066	<0.00066	<0.00066	**0.0016**	**0.0015**	<0.00066
B-19	43	01/29/2014	<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**	**0.00077**	<0.00066
B-20	5	01/29/2014	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	**0.0012**	<0.00066	<0.00066	**0.0016**	<0.00066	**0.0013**	<0.00066	<0.00066	**0.0012**	**0.0014**	**0.0019**
B-20	10	01/29/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	**0.0048**	<0.00067	<0.00067
B-20	15	01/29/2014	<0.00066	**0.00034**	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00033	<0.00066	<0.00066	**0.0011**	<0.00066	**0.0077**	**0.0013**	<0.00066
B-20	20	01/29/2014	**0.0025**	**0.0016**	**0.00079**	**0.00072**	<0.00066	**0.0031**	**0.00092**	<0.00066	**0.0037**	<0.00066	**0.0013**	**0.0037**	<0.00066	**0.71**	**0.0097**	**0.0016**
B-20	25	01/29/2014	<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	**0.0015**	<0.00066	<0.00066
B-20	30	01/29/2014	<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
B-20	35	01/29/2014	<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	**0.0013**	**0.00077**	<0.00066
B-21	5	01/29/2014	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	**0.00038**	<0.00066	<0.00066	<0.00066	<0.00066	**0.00090**	<0.00066	<0.00066
B-21	10	01/29/2014	<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
B-21	15	01/29/2014	<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	**0.0030**	<0.00066	<0.00066
B-21	20	01/29/2014	<0.00066	<0.00033	<0.00033	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	**0.00038**	<0.00066	<0.00066	<0.00066	<0.00066	**0.0021**	**0.0010**	<0.00066
B-21	25	01/29/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	**0.0011**	<0.00067	<0.00067
B-21	30	01/29/2014	<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	**0.0037**	**0.00091**	<0.00066
B-21	35	01/29/2014	<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	**0.0032**	**0.00097**	<0.00066
B-22	5	01/30/2014	<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	**0.0024**	<0.00066	<0.00066
B-22	10	01/30/2014	<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	**0.0038**	**0.0011**	<0.00066
B-22	15	01/30/2014	<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	**0.0031**	**0.00073**	<0.00066
B-22	20	01/30/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	**0.0017**	<0.00067	<0.00067
B-22	25	01/30/2014	<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	**0.0014**	<0.00066	<0.00066
B-22	30	01/30/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	**0.0033**	<0.00067	<0.00067
B-22	35	01/30/2014	<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	**0.0029**	**0.00083**	<0.00066
B-23	5	01/30/2014	<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	**0.0021**	<0.00066	<0.00066
B-23	10	01/30/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	**0.0017**	<0.00067	<0.00067
B-23	15	01/30/2014	<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	**0.00068**	<0.00066	<0.00066
B-23	20	01/30/2014	<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	**0.0012**	<0.00066	<0.00066
B-23	25	01/30/2014	<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	**0.00082**	<0.00066	<0.00066
B-23	30	01/30/2014	<0.00067	<0.00033	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00033	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
B-23	35	01/30/2014	<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
BE	6	08/10/2009	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.024	-	-
~~EX1~~	-	~~05/22/2009~~	-	-	-	-	-	-	-	-	-	-	-	-	-	~~**9**~~	-	-
SA	3.5	08/10/2009	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0048	-	-
SB	3.5	08/10/2009	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0048	-	-
~~SP2-A~~	-	~~08/10/2009~~	-	-	-	-	-	-	-	-	-	-	-	-	-	~~**4.4**~~	-	-
~~SP2-A,B,C,D~~	-	~~08/10/2009~~	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Location	Depth	Date	*SUMMARY*		*METALS*																
			VOCs	*SVOCs*	*Antimony*	*Arsenic*	*Barium*	*Beryllium*	*Cadmium*	*Chromium*	*Cobalt*	*Copper*	*Lead*	*Mercury*	*Molybdenum*	*Nickel*	*Selenium*	*Silver*	*Thallium*	*Vanadium*	*Zinc*
	ft BGS	Units	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
B-19	35	01/29/2014	-	-	-	-	-	-	**0.306**	**37.9**	-	-	**4.11**	-	-	**41.9**	-	-	-	-	**41.3**
B-19	40	01/29/2014	-	-	-	-	-	-	**0.194**	**59.7**	-	-	**6.13**	-	-	**70.0**	-	-	-	-	**47.2**
B-19	43	01/29/2014	-	-	-	-	-	-	<0.0738	**45.7**	-	-	**8.41**	-	-	**36.9**	-	-	-	-	**41.4**
B-20	5	01/29/2014	-	-	-	-	-	-	<0.0745	**43.3**	-	-	**10.1**	-	-	**16.7**	-	-	-	-	**26.6**
B-20	10	01/29/2014	-	-	-	-	-	-	<0.0752	**50.3**	-	-	**10.5**	-	-	**65.1**	-	-	-	-	**49.1**
B-20	15	01/29/2014	-	-	-	-	-	-	<0.0738	**33.3**	-	-	**7.80**	-	-	**36.1**	-	-	-	-	**43.2**
B-20	20	01/29/2014	-	-	-	-	-	-	<0.0745	**141**	-	-	**15.4**	-	-	**79.6**	-	-	-	-	**71.2**
B-20	25	01/29/2014	-	-	-	-	-	-	<0.0752	**46.4**	-	-	**10.7**	-	-	**53.5**	-	-	-	-	**58.9**
B-20	30	01/29/2014	-	-	-	-	-	-	<0.0752	**34.5**	-	-	**9.05**	-	-	**59.5**	-	-	-	-	**50.0**
B-20	35	01/29/2014	-	-	-	-	-	-	**0.289**	**36.7**	-	-	**5.14**	-	-	**58.0**	-	-	-	-	**50.2**
B-21	5	01/29/2014	-	-	-	-	-	-	<0.0760	**39.8**	-	-	**6.14**	-	-	**18.9**	-	-	-	-	**24.9**
B-21	10	01/29/2014	-	-	-	-	-	-	<0.0745	**50.2**	-	-	**9.26**	-	-	**105**	-	-	-	-	**49.3**
B-21	15	01/29/2014	-	-	-	-	-	-	<0.0752	**43.7**	-	-	**8.03**	-	-	**57.1**	-	-	-	-	**40.0**
B-21	20	01/29/2014	-	-	-	-	-	-	<0.0731	**49.3**	-	-	**8.47**	-	-	**43.3**	-	-	-	-	**47.4**
B-21	25	01/29/2014	-	-	-	-	-	-	<0.0731	**49.5**	-	-	**10.7**	-	-	**68.8**	-	-	-	-	**54.6**
B-21	30	01/29/2014	-	-	-	-	-	-	<0.0760	**39.7**	-	-	**9.49**	-	-	**50.9**	-	-	-	-	**52.5**
B-21	35	01/29/2014	-	-	-	-	-	-	<0.0731	**35.9**	-	-	**6.46**	-	-	**43.8**	-	-	-	-	**41.1**
B-22	5	01/30/2014	-	-	-	-	-	-	<0.373	**51.7**	-	-	**11.0**	-	-	**26.2**	-	-	-	-	**31.1**
B-22	10	01/30/2014	-	-	-	-	-	-	<0.0745	**51.7**	-	-	**10.1**	-	-	**66.9**	-	-	-	-	**57.3**
B-22	15	01/30/2014	-	-	-	-	-	-	<0.0760	**33.0**	-	-	**7.77**	-	-	**40.5**	-	-	-	-	**42.3**
B-22	20	01/30/2014	-	-	-	-	-	-	<0.0738	**39.4**	-	-	**8.76**	-	-	**49.7**	-	-	-	-	**49.2**
B-22	25	01/30/2014	-	-	-	-	-	-	<0.0738	**44.3**	-	-	**9.39**	-	-	**72.7**	-	-	-	-	**45.1**
B-22	30	01/30/2014	-	-	-	-	-	-	<0.0745	**38.0**	-	-	**11.5**	-	-	**52.2**	-	-	-	-	**52.4**
B-22	35	01/30/2014	-	-	-	-	-	-	<0.0745	**45.1**	-	-	**8.07**	-	-	**45.3**	-	-	-	-	**43.5**
B-23	5	01/30/2014	-	-	-	-	-	-	<0.0745	**45.0**	-	-	**6.69**	-	-	**20.8**	-	-	-	-	**33.3**
B-23	10	01/30/2014	-	-	-	-	-	-	<0.0752	**49.3**	-	-	**9.10**	-	-	**74.6**	-	-	-	-	**54.6**
B-23	15	01/30/2014	-	-	-	-	-	-	<0.0731	**37.2**	-	-	**7.22**	-	-	**47.4**	-	-	-	-	**39.8**
B-23	20	01/30/2014	-	-	-	-	-	-	<0.0752	**36.7**	-	-	**5.88**	-	-	**31.8**	-	-	-	-	**40.8**
B-23	25	01/30/2014	-	-	-	-	-	-	<0.0731	**47.2**	-	-	**9.81**	-	-	**64.1**	-	-	-	-	**53.1**
B-23	30	01/30/2014	-	-	-	-	-	-	<0.0752	**49.3**	-	-	**10.9**	-	-	**46.9**	-	-	-	-	**65.2**
B-23	35	01/30/2014	-	-	-	-	-	-	<0.0760	**61.4**	-	-	**9.25**	-	-	**56.7**	-	-	-	-	**50.7**
BE	6	08/10/2009	ND	-	-	-	-	-	<0.25	**33**	-	-	**5.1**	-	-	**52**	-	-	-	-	**35**
~~EX1~~	-	~~05/22/2009~~	~~ND~~ [1]	-	~~**1.1**~~	~~**5.6**~~	~~**280**~~	~~**0.43**~~	~~**0.52**~~	~~**30**~~	~~**9.0**~~	~~**15**~~	~~**900**~~	~~**0.0050**~~	~~**1.2**~~	~~**40**~~	~~<0.50~~	~~<0.25~~	~~<0.50~~	~~**28**~~	~~**94**~~
SA	3.5	08/10/2009	ND	-	-	-	-	-	<0.25	**22**	-	-	**3.1**	-	-	**15**	-	-	-	-	**17**
SB	3.5	08/10/2009	ND	-	-	-	-	-	<0.25	**27**	-	-	**3.3**	-	-	**21**	-	-	-	-	**18**
~~SP2-A~~	-	~~08/10/2009~~	~~ND~~ [7]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
~~SP2-A,B,C,D~~	-	~~08/10/2009~~	~~ND~~	-	-	-	-	-	~~**1.0**~~	~~**32**~~	-	-	~~**17**~~	-	-	~~**36**~~	-	-	-	-	~~**190**~~

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO ROAD
EMERYVILLE, CALIFORNIA

			HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS		SVOCS																	SUMMARY		METALS																			
Location	Depth	Date	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	TPH-HRO	TPH - Extractable	B	T	E	X	MTBE by VOC	EDB	1,2-DCA	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	VOCs	SVOCs	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	ft BGS	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UST 1	5.5	12/23/2009	**870 Y**	-	**980**	**3,300**	-	<0.77	**2.3**	**1.5**	**11.4**	<0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**6.3**	-	-	ND [8]	ND [9]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO ROAD
EMERYVILLE, CALIFORNIA

			HYDROCARBONS					*PRIMARY VOCS*					*ADDITIONAL VOCS*		*SVOCS*																*SUMMARY*		*METALS*																
Location	Depth	Date	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*TPH-HRO*	*TPH - Extractable*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*EDB*	*1,2-DCA*	*Acenaphthene*	*Acenaphthylene*	*Anthracene*	*Benzo(a)anthracene*	*Benzo(a)pyrene*	*Benzo(b)fluoranthene*	*Benzo(g,h,i)perylene*	*Benzo(k)fluoranthene*	*Chrysene*	*Dibenz(a,h)anthracene*	*Fluoranthene*	*Fluorene*	*Indeno(1,2,3-cd)pyrene*	*Naphthalene*	*Phenanthrene*	*Pyrene*	*VOCs*	*SVOCs*	*Antimony*	*Arsenic*	*Barium*	*Beryllium*	*Cadmium*	*Chromium*	*Cobalt*	*Copper*	*Lead*	*Mercury*	*Molybdenum*	*Nickel*	*Selenium*	*Silver*	*Thallium*	*Vanadium*	*Zinc*
	ft BGS	Units	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*

Abbreviations and Notes:

fbg = feet below grade

mg/kg = Milligrams per kilogram

TPH = Total petroleum hydrocarbons

GRO = Gasoline range organics

DRO = Diesel range organics

VOCS = Volatile organic compounds

SVOCS = Semi-volatile organic compounds

B = Benzene

C = Presence confirmed, but RPD between colums excceds 40%

L = Lighter hydrocarbons contributed to quanitifcation

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

Y = Sample exhitbits chromatographic pattern which does not resemble standard

EDB = 1,2-Dibromoethane (Ethylene dibromide)

1,2-DCA = 1,2-Dichloroethane

Bold = Detected

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

* = Duplicate sample for B3-S-5-1

Special Note: The BTEX and MTBE concentrations collected in 2004 were originally reported in micrograms per kilogram. They were converted to miligrams per kiligrams for table uniformity.

All EPA 8260B and 8270C constituents were non-detectable except for the following compounds.

1 Propylbenzene, 1.8 mg/kg; 1,3,5-Trimethylbenzene, 1.6 mg/kg; 1,2,4-Trimethylbenzene, 18 mg/kg; sec-Butylbenzene, 0.590 mg/kg; para-Isopropyl Toluene, 0.510 mg/kg; n-Butylbenzene, 2.1 mg/kg;

2 Acetone 0.040 mg/kg

3 Acetone 0.0097 mg/kg

4 Acetone 0.06 mg/kg; sec-Butylbenzene, 0.0052 mg/kg; n-Butylbenzene, 0.015; 2-Butanone, 0.011 mg/kg

5 Propylbenzene, 0.083 mg/kg; 1,2,4-Trimethylbenzene, 0.0180 mg/kg; n-Butylbenzene, 0.230 mg/kg

6 Acetone 0.063 mg/kg

7 Propylbenzene, 3.9 mg/kg; 1,2,4-Trimethylbenzene

8 Propylbenzene, 1.8 mg/kg; 1,3,5-Trimethylbenzene, 5.1 mg/kg; 1,2,4-Trimethylbenzene, 16 mg/kg

9 2-Methylnapthalene, 6.1 mg/kg; Napthalene, 3.3 mg

TABLE 2
GRAB-GROUNDWATER ANALYTICAL DATA
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO ROAD
EMERYVILLE, CALIFORNIA

		HYDROCARBONS			*PRIMARY VOCS*				*ADDITIONAL VOCS*			*SVOCS*															
Location	Date	*TPH-Motor Oil*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE*	*EDB*	*1,2-DCA*	*Acenaphthene*	*Acenaphthylene*	*Anthracene*	*Benzo(a)anthracene*	*Benzo(a)pyrene*	*Benzo(b)fluoranthene*	*Benzo(g,h,i)perylene*	*Benzo(k)fluoranthene*	*Chrysene*	*Dibenz(a,h)anthracene*	*Fluoranthene*	*Fluorene*	*Indeno(1,2,3-cd)pyrene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
	Units	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
B-17	01/28/2014	<200	**240**	**1,900**	<0.5	**0.9**	**1**	**1**	**0.8**	<0.5	**0.5**	**0.011**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.017**	<0.010	**0.20**	<0.030	<0.010
B-18	01/28/2014	-	-	**84**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**4**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.33**	<0.30	<0.10
B-19	01/29/2014	-	**320**	**2,800**	**31**	**6**	**46**	**19**	<0.5	<0.5	**4**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-18	<0.10	<0.10	<0.10	**2.7**	<0.30	<0.10
B-20	01/29/2014	<400	**470**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.18**	<0.031	<0.010
B-21	01/29/2014	**740**	**350**	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.10
B-22	01/30/2014	<400	<320	<50	<0.5	<0.5	<0.5	**0.7**	<0.5	<0.5	<0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.10
B-23	01/30/2014	<400	<320	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.10
QA	01/28/2014	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Abbreviations and Notes:

µg/L = Micrograms per liter

TPH = Total petroleum hydrocarbons

GRO = Gasoline range organics

DRO = Diesel range organics

VOCS = Volatile organic compounds

SVOCS = Semi-volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

EDB = 1,2-Dibromoethane (Ethylene dibromide)

TABLE 2
GRAB-GROUNDWATER ANALYTICAL DATA
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO ROAD
EMERYVILLE, CALIFORNIA

		HYDROCARBONS			*PRIMARY VOCS*				*ADDITIONAL VOCS*			*SVOCS*															
Location	Date	*TPH-Motor Oil*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE*	*EDB*	*1,2-DCA*	*Acenaphthene*	*Acenaphthylene*	*Anthracene*	*Benzo(a)anthracene*	*Benzo(a)pyrene*	*Benzo(b)fluoranthene*	*Benzo(g,h,i)perylene*	*Benzo(k)fluoranthene*	*Chrysene*	*Dibenz(a,h)anthracene*	*Fluoranthene*	*Fluorene*	*Indeno(1,2,3-cd)pyrene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
	Units	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*

1,2-DCA = 1,2-Dichloroethane

Bold = Detected

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

ATTACHMENT A

ACEH CORRESPONDENCE

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

July 12, 2013

Ms. Carryl MacLeod
Chevron Environmental Management Co.
6101 Bollinger Canyon Road
San Ramon, CA 94583
(sent via electronic mail to:
CMacLeod@chevron.com)

Mr. Stuart Rickard
Placeworks, LLC
1501 Pacific Avenue
Alameda, CA 94501
(sent via electronic mail to:
Stuart@placeworks.com)

Mr. Markus Niebanck
City of Emeryville Redevelop. Agency
1333 Park Avenue
Emeryville, CA 94608
(sent via electronic mail to:
mniebanck@ci.emeryville.ca.us)

Mr. Vic Gumper
Dan and Vic Diversified, LLC
2033 San Pablo Avenue
Berkeley, CA 94702
(sent via electronic mail to:
Vic@lanesplitterpizza.com)

Subject: Request for Work Plan Addendum With Modified Work Plan Approval; Fuel Leak Case No. RO0003068 and GeoTracker Global ID T1000002518, Lane Splitters Pizza, 3645 San Pablo Avenue, Emeryville, CA 94608

Dear Ms. MacLeod, and Messrs. Rickard, Niebanck, and Gumper:

Alameda County Environmental Health (ACEH) has reviewed the case file, including the *Site Conceptual Model and Work Plan Addendum,* dated March 31, 2013, and generated on your behalf by Conestoga-Rovers & Associates (CSA). Thank you for submitting the Site Conceptual Model (SCM) and work plan addendum. Thank you for bringing the site into compliance on Geotracker.

Based on ACEH staff review of the work plan, the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed work. 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 these technical comments is proposed. We request that you address the following technical comments, perform the proposed work, and send us the report 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 Modifications** – The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking; however, ACEH requests several modifications to the approach. Please submit a report by the date specified below.

    a. **Analytical Suite** – The referenced work plan proposes to exclude analysis for methyl tertiary butyl ether (MTBE) at the site despite the detection of MTBE in soil. The rationale was the unlikely presence of MTBE at a site where the underground storage tanks (USTs) were removed in the mid to late 1960's. The work plan presumed the detected MTBE was from offsite sources. Because the chemical has been detected at the site, is a requirement of the Low-Threat Closure Policy (LTCP; General Criteria g), and because there are no associated

additional costs, ACEH requests MTBE be included in the analytical suite for all media investigated at the site.

b. **Incorporation of Technical Comments from February 2012 Directive Letter** – Please ensure incorporation of technical comments contained in the February 2012 letter into the scope of work.

2. **Low-Threat Closure Policy Evaluation** - ACEH has evaluated site data with respect to the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP). While site characterization is in a preliminary state, ACEH has determined that the site fails to meet the LTCP General Criteria e (principally due to a lack of information, but specifically due to an incomplete groundwater assessment, incomplete soil vapor evaluation, etc.), Criteria f (lack of determination that secondary source removal has been removed to the extent practicable), the Media-Specific Criteria for Groundwater (lack of groundwater delineation laterally, downgradient, and vertically at the site, and the lack of analytical characterization of groundwater), the Media-Specific Criteria for Vapor Intrusion to Indoor Air (insufficient source area vertical and lateral extent characterization), and the Media-Specific Criteria for Direct Contact (insufficient source area vertical and lateral extent characterization).

   ACEH specifically requests attention to the collection of sufficient data, and potentially additional data if required to evaluate the site under the LTCP. This request is specifically intended to allow the proposed investigation to proceed, and to provide sufficient flexibility to collect enough data to address the current LTCP deficiencies, resulting in a more complete evaluation under the LTCP. In particular, but not limited to, the collection of shallow soil samples closely associated with residual sources may be appropriate. ACEH additionally requests the submittal of a LTCP analysis of the site in the soil and groundwater investigation report requested below, inclusive of an updated focused SCM, and the identification of any LTCP data gaps in the report, if any.

3. **Data Gap Investigation Work Plan and Focused Site Conceptual Model** – Should data gaps be identified in the LTCP analysis requested in Technical Comment 2, to help expedite the progress of the site towards closure, please prepare and include a Data Gap Investigation Work Plan in the site investigation report, to address any identified data gaps. Please support the scope of work in the 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. If the sampling strategy includes data collection to support the proposed site redevelopment, a description of that redevelopment should be included in the Data Gap Investigation Work Plan to support your sampling strategy so that ACEH can verify the appropriateness of the proposed sample locations.

   In order to expedite review, ACEH requests the 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 Data Gap Investigation scope of work to enable efficient data collection in the fewest mobilizations possible.

4. **Path to Closure Project Schedule** - The State Water Resources Control Board passed Resolution No. 2012-0062 on November 6, 2012 which requires development of a "Path to Closure Plan" by December 31, 2013 that addresses the impediments to closure for the site. The Path to Closure must have milestone dates tied to calendar quarters which will achieve site cleanup and case closure in a timely and efficient manner and minimizes the cost of corrective action. Therefore, by the date listed below please prepare a Path to Closure Schedule for your site that incorporates the items identified by ACEH in the Technical Comments above as impediments to closure (further detailed in Attachment B). Additionally, please evaluate the site against the LTCP criteria and incorporate additional data collection activities in the Path to Closure Schedule and Data Gap Investigation Work Plan to address other impediments to closure under the policy not identified by ACEH. ACEH staff utilizes a Data Gap Identification Tool (DGIT) while reviewing cases for compliance with the LTCP criteria and identification of impediments to closure. We encourage you to also utilize the DGIT to (1) evaluate your site and develop an efficient path to site closure by focusing data collection efforts, if necessary, on the LTCP criteria, and (2) assist and expedite ACEH staff review of work plans and

request for closures. ACEH will provide the DGIT as a PDF form via e-mail upon request. ACEH will review the schedule to ensure that all key elements are included.

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 specified file naming convention below, according to the following schedule:

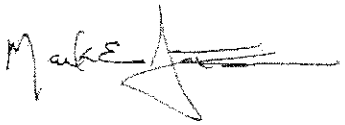
- **September 13, 2013** – Soil and Groundwater Investigation Report, Focused SCM, and LTCP Analysis; File to be named: RO3068_SWI_R_yyyy-mm-dd

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.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,



Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o, ou, email=mark.detterman@acgov.org, c=US
Date: 2013.07.12 13:45:49 -07'00'

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

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

Attachment A – Site Conceptual Model Requisite Elements
Attachment B – Path to Closure Requisite Elements

cc: Mr. Greg Barclay, 10969 Trade Center Drive, Suite 107, Rancho Cordova, CA 95670
(sent via electronic mail to: (GBarclay@craworld.com)

Donna Drogos, ACEH, (sent via electronic mail to donna.drogos@acgov.org)
Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Geotracker, Electronic File

ATTACHMENT 1

Responsible Party(ies) Legal Requirements/Obligations
& ACEH Electronic Report Upload (ftp) Instructions

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	**REVISION DATE:** July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

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

REQUIREMENTS

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

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

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to .loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to .loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

ATTACHMENT A

Site Conceptual Model Requisite Elements

ATTACHMENT A

Site Conceptual Model

The site conceptual model (SCM) is an essential decision-making and communication tool for all interested parties during the site characterization, remediation planning and implementation, and closure process. A SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely magnitude of potential impacts to receptors.

The SCM is initially used to characterize the site and identify data gaps. As the investigation proceeds and the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened until it is said to be "validated". At this point, the focus of the SCM shifts from site characterization towards remedial technology evaluation and selection, and later remedy optimization, and forms the foundation for developing the most cost-effective corrective action plan to protect existing and potential receptors.

For ease of review, Alameda County Environmental Health (ACEH) requests utilization of tabular formats to (1) highlight the major SCM elements and their associated data gaps which need to be addressed to progress the site to case closure (see Table 1 of attached example), and (2) highlight the identified data gaps and proposed investigation activities (see Table 2 of the attached example). ACEH requests that the tables presenting the SCM elements, data gaps, and proposed investigation activities be updated as appropriate at each stage of the project and submitted with work plans, feasibility studies, corrective action plans, and requests for closures to support proposed work, conclusions, and/or recommendations.

The SCM should incorporate, but is not limited to, the topics listed below. Please support the SCM with the use of large-scaled maps and graphics, tables, and conceptual diagrams to illustrate key points. Please include an extended site map(s) utilizing an aerial photographic base map with sufficient resolution to show the facility, delineation of streets and property boundaries within the adjacent neighborhood, downgradient irrigation wells, and proposed locations of transects, monitoring wells, and soil vapor probes.

a. Regional and local (on-site and off-site) geology and hydrogeology. Include a discussion of the surface geology (e.g., soil types, soil parameters, outcrops, faulting), subsurface geology (e.g., stratigraphy, continuity, and connectivity), and hydrogeology (e.g., water-bearing zones, hydrologic parameters, impermeable strata). Please include a structural contour map (top of unit) and isopach map for the aquitard that is presumed to separate your release from the deeper aquifer(s), cross sections, soil boring and monitoring well logs and locations, and copies of regional geologic maps.

b. Analysis of the hydraulic flow system in the vicinity of the site. Include rose diagrams for depicting groundwater gradients. The rose diagram shall be plotted on groundwater elevation contour maps and updated in all future reports submitted for your site. Please address changes due to seasonal precipitation and groundwater pumping, and evaluate the potential interconnection between shallow and deep aquifers. Please include an analysis of vertical hydraulic gradients, and effects of pumping rates on hydraulic head from nearby water supply wells, if appropriate. Include hydraulic head in the different water bearing zones and hydrographs of all monitoring wells.

c. Release history, including potential source(s) of releases, potential contaminants of concern (COC) associated with each potential release, confirmed source locations, confirmed release locations, and existing delineation of release areas. Address primary leak source(s) (e.g., a tank, sump, pipeline, etc.) and secondary sources (e.g., high-

concentration contaminants in low-permeability lithologic soil units that sustain groundwater or vapor plumes). Include local and regional plan view maps that illustrate the location of sources (former facilities, piping, tanks, etc.).

d. Plume (soil gas and groundwater) development and dynamics including aging of source(s), phase distribution (NAPL, dissolved, vapor, residual), diving plumes, attenuation mechanisms, migration routes, preferential pathways (geologic and anthropogenic), magnitude of chemicals of concern and spatial and temporal changes in concentrations, and contaminant fate and transport. Please include three-dimensional plume maps for groundwater and two-dimensional soil vapor plume plan view maps to provide an accurate depiction of the contaminant distribution of each COC.

e. Summary tables of chemical concentrations in different media (i.e., soil, groundwater, and soil vapor). Please include applicable environmental screening levels on all tables. Include graphs of contaminant concentrations versus time.

f. Current and historic facility structures (e.g., buildings, drain systems, sewer systems, underground utilities, etc.) and physical features including topographical features (e.g., hills, gradients, surface vegetation, or pavement) and surface water features (e.g. routes of drainage ditches, links to water bodies). Please include current and historic site maps.

g. Current and historic site operations/processes (e.g., parts cleaning, chemical storage areas, manufacturing, etc.).

h. Other contaminant release sites in the vicinity of the site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for the SCM. Include a summary of work and technical findings from nearby release sites, including the two adjacent closed LUFT sites, (i.e., Montgomery Ward site and the Quest Laboratory site).

i. Land uses and exposure scenarios on the facility and adjacent properties. Include beneficial resources (e.g., groundwater classification, wetlands, natural resources, etc.), resource use locations (e.g., water supply wells, surface water intakes), subpopulation types and locations (e.g., schools, hospitals, day care centers, etc.), exposure scenarios (e.g. residential, industrial, recreational, farming), and exposure pathways, and potential threat to sensitive receptors. Include an analysis of the contaminant volatilization from the subsurface to indoor/outdoor air exposure route (i.e., vapor pathway). Please include copies of Sanborn maps and aerial photographs, as appropriate.

j. Identification and listing of specific data gaps that require further investigation during subsequent phases of work. Proposed activities to investigate and fill data gaps identified.

TABLE 1

INITIAL SITE CONCEPTUAL MODEL

CSM Element	CSM Sub-Element	Description	Data Gap	How to Address
Geology and Hydrogeology	Regional	The site is in the northwest portion of the Livermore Valley, which consists of a structural trough within the Diablo Range and contains the Livermore Valley Groundwater Basin (referred to as "the Basin") (DWR, 2006). Several faults traverse the Basin, which act as barriers to groundwater flow, as evidenced by large differences in water levels between the upgradient and downgradient sides of these faults (DWR, 2006). The Basin is divided into 12 groundwater basins, which are defined by faults and non-water-bearing geologic units (DWR, 1974). The hydrogeology of the Basin consists of a thick sequence of fresh-water-bearing continental deposits from alluvial fans, outwash plains, and lacustrine environments to up to approximately 5,000 feet bgs (DWR, 2006). Three defined fresh-water bearing geologic units exist within the Basin: Holocene Valley Fill (up to approximately 400 feet bgs in the central portion of the Basin), the Plio-Pleistocene Livermore Formation (generally between approximately 400 and 4,000 feet bgs in the central portion of the Basin), and the Pliocene Tassajara Formation (generally between approximately 250 and 5,000 or more feet bgs) (DWR, 1974). The Valley Fill units in the western portion of the Basin are capped by up to 40 feet of clay (DWR, 2006).	None	NA
	Site	***Geology:*** Borings advanced at the site indicate that subsurface materials consist primarily of finer-grained deposits (clay, sandy clay, silt and sandy silt) with interbedded sand lenses to 20 feet below ground surface (bgs), the approximate depth to which these borings were advanced. The documented lithology for one on-site boring that was logged to approximately 45 feet bgs indicates that beyond approximately 20 feet bgs, fine-grained soils are present to approximately 45 feet bgs. A cone penetrometer technology test indicated the presence of sandier lenses from approximately 45 to 58 feet bgs and even coarser materials (interbedded with finer-grained materials) from approximately 58 feet to 75 feet bgs, the total depth drilled. The lithology documented at the site is similar to that reported at other nearby sites, specifically the Montgomery Ward site (7575 Dublin Boulevard), the Quest laboratory site (6511 Golden Gate Drive), the Shell-branded Service Station site (11989 Dublin Boulevard), and the Chevron site (7007 San Ramon Road). ***Hydrogeology:*** Shallow groundwater has been encountered at depths of approximately 9 to 15 feet bgs. The hydraulic gradient and groundwater flow direction have not been specifically evaluated at the site.	As noted, most borings at the site have been advanced to approximately 20 feet bgs, and one boring has been advanced and logged to 45 feet bgs; CPT data was collected to 75 feet bgs at one location. Lithologic data will be obtained from additional borings that will be advanced on site to further the understanding of the subsurface, especially with respect to deeper lithology. The on-site shallow groundwater horizontal gradient has not been confirmed. Additionally, it is not known if there may be a vertical component to the hydraulic gradient.	Two direct push borings and four multi-port wells will be advanced to depth (up to approximately 75 feet bgs) and soil lithology will be logged. See items 4 and 5 on Table 2. Shallow and deeper groundwater monitoring wells will be installed to provide information on lateral and vertical gradients. See Items 2 and 5 on Table 2.
Surface Water Bodies		The closest surface water bodies are culverted creeks. Martin Canyon Creek flows from a gully west of the site, enters a culvert north of the site, and then bends to the south, passing approximately 1,000 feet east of the site before flowing into the Alamo Canal. Dublin Creek flows from a gully west of the site, enters a culvert approximately 750 feet south of the site, and then joins Martin Canyon Creek approximately 750 feet southeast of the site.	None	NA
Nearby Wells		The State Water Resources Control Board's GeoTracker GAMA website includes information regarding the approximate locations of water supply wells in California. In the vicinity of the site, the closest water supply wells presented on this website are depicted approximately 2 miles southeast of the site; the locations shown are approximate (within 1 mile of actual location for California Department of Public Health supply wells and 0.5 mile for other supply wells). No water-producing wells were identified within 1/4 mile of the site in the well survey conducted for the Quest Laboratory site (6511 Golden Gate Drive; documented in 2009); information documented in a 2005 report for the Chevron site at 7007 San Ramon Road indicates that a water-producing well may exist within 1/2 mile of the site.	A formal well survey is needed to identify water-producing, monitoring, cathodic protection, and dewatering wells.	Obtain data regarding nearby, permitted wells from the California Department of Water Resources and Zone 7 Water Agency (Item 11 on Table 2).

TABLE 2

DATA GAPS AND PROPOSED INVESTIGATION

Item	Data Gap	Proposed Investigation	Rationale	Analysis
5	Evaluate the possible presence of impacts to deeper groundwater. Evaluate deeper groundwater concentration trends over time. Obtain data regarding the vertical groundwater gradient. Obtain more lithological data below 20 feet bgs.	Install four continuous multichannel tubing (CMT) groundwater monitoring wells (aka multi-port wells) to approximately 65 feet bgs in the northern parking lot with ports at three depths (monitoring well locations may be adjusted pending results of shallow grab groundwater samples; we will discuss any potential changes with ACEH before proceeding). Groundwater monitoring frequency to be determined. Soil samples will be collected only if there are field indications of impacts. Soil lithology will be logged. However, information regarding the moisture content of soil may not be reliable using sonic drilling technology (two borings will be logged using direct push technology; see Item 4, above).	One well is proposed at the western (upgradient) property boundary to confirm that there are no deeper groundwater impacts from upgradient. Two wells are proposed near the center of the northern parking lot to evaluate potential impacts in an area where deeper impacts, if any, would most likely to be found. One well is proposed at the eastern (downgradient) property boundary to confirm that there are no impacts extending off-site. Port depths will be chosen based on the locations of saturated soils (as logged in direct push borings; see Item 4, above), but are expected at approximately 15, 45, and 60 feet bgs.	*Groundwater:* VOCs by EPA Method 8260, dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance.
6	Evaluate possible off-site migration of impacted soil vapor in the downgradient direction (east). Evaluate concentration trends over time.	Install 4 temporary nested soil vapor probes at approximately 4 and 8 feet bgs along the eastern property boundary. Based on the results of the sampling, two sets of nested probes will be converted to vapor monitoring wells to allow for evaluation of VOC concentration trends over time.	Available data indicate that PCE and TCE are present in soil vapor in the eastern portion of the northern parking lot. Samples are proposed on approximately 50-foot intervals along the eastern property boundary to provide a transect of concentrations through the vapor plume. The depths of 4 and 8 feet bgs are chosen to provide data closest to the source (i.e., groundwater) while avoiding saturated soil, and also provide shallower data to help evaluate potential attenuation within the soil column. Two sets of nested vapor probes will be converted into vapor monitoring wells (by installing well boxes at ground surface); the locations of the permanent wells will be chosen based on the results of samples from the temporary probes.	*Soil vapor*: VOCs by EPA Method TO-15.
7	Evaluate potential for off-site migration of impacted groundwater in the downgradient direction (east).	Advance two borings to approximately 20 feet bgs in the parking lot of the property east of the Crown site for collection of grab groundwater samples.	Two borings are proposed off-site, on the property east of the Crown site, just east of the building in the expected area of highest potential VOC concentrations.	*Groundwater:* VOCs by EPA Method 8260, dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance.
8	Evaluate VOC concentrations just north of the highest concentration area.	Advance two borings to approximately 20 feet bgs north of Building A for collection of soil and grab groundwater samples. Soil samples will be collected at two depths in the vadose zone. Soil samples will be collected based on field indications of impacts (PID readings, odor, staining) or, in the absence of field indications of impacts, at 5 and 10 feet bgs.	The highest concentrations of PCE in groundwater were detected at boring NM-B-32, just north of Building A. The nearest available data to the north are approximately 75 feet away. One of the borings will be advanced approximately 20 feet north of NM-B-32 to provide data close to the highest concentration area. A second boring will be advanced approximately halfway between the first boring and former boring NM-B-33 to provide additional spatial data for contouring purposes. These borings will be part of a transect in the highest concentration area.	*Groundwater:* VOCs by EPA Method 8260, dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance. *Soil:* VOCs by EPA Method 8260 (soil samples to be collected using field preservation in accordance with EPA Method 5035).
9	Evaluate VOC concentrations in soil vapor in the south parcel of the site.	Install four temporary soil vapor probes at approximately 5 feet bgs around boring SV-25, where PCE was detected in soil vapor at a low concentration.	PCE was detected in soil vapor sample SV-25 in the southern parcel, although was not detected in groundwater in that area. Three probes will be installed approximately 30 feet from of boring SV-25 to attempt to delineate the extent of impacts. A fourth probe is proposed west of the original sample, close to the property boundary and the location of mapped utility lines, which may be a potential conduit, to evaluate potential impacts from the west.	*Soil vapor*: VOCs by EPA Method TO-15.
10	Obtain additional information regarding subsurface structures and utilities to further evaluate migration pathways and sources.	Ground penetrating radar (GPR) and other utility locating methodologies will be used, as appropriate, to further evaluate the presence of unknown utilities and structures at the site.	Utilities have been identified at the site that include an on-site sewer lateral and drain line, and shallow water, electric, and gas lines. Given the current understanding of the distribution of PCE in groundwater at the site, it is possible that other subsurface utilities, and specifically sewer laterals, exist that may act as a source or migration pathway for distribution of VOCs in the subsurface.	NA

ATTACHMENT B

Path to Closure Project Schedule Requisite Elements

The State Water Resources Control Board passed Resolution No. 2012-0062 on November 6, 2012 which requires development of a "Path to Closure Plan" by December 31, 2013 that addresses the impediments to closure for the site. The Path to Closure must have milestone dates tied to calendar quarters which will achieve site cleanup and case closure in a timely and efficient manner and minimizes the cost of corrective action. ACEH will review the schedule to ensure that all key elements are included.

Please submit an electronic copy that includes, but is not be limited to, the following key environmental elements and milestones as appropriate:

- Preferential Pathway Study
- Soil, Groundwater, and Soil Vapor Investigations
- Initial, Updated, and Final/Validated SCMs
- Interim Remedial Actions
- Feasibility Study/Corrective Action Plan
- Pilot Tests
- Remedial Actions
- Soil Vapor and Groundwater Monitoring Well Installation and Monitoring
- Public Participation Program (Fact Sheet Preparation/Distribution/Public Comment Period, Community Meetings, etc.)
- Case Closure Tasks (Request for closure documents, ACEH Case Closure Summary Preparation and Review, Site Management Plan, Institutional Controls, Public Participation, Landowner Notification, Well Decommissioning, Waste Removal, and Reporting.)

Please include time for regulatory and RP in house review, permitting, off-site access agreements, and utility connections, etc.

Please use a critical path methodology/tool to construct a schedule with sufficient detail to support a realistic and achievable Path to Closure Schedule. The schedule is to include at a minimum:

- Defined work breakdown structure including summary tasks required to accomplish the project objectives and required deliverables
- Summary task decomposition into smaller more manageable components that can be scheduled, monitored, and controlled
- Sequencing of activities to identify and document relationships among the project activities using logical relationships
- Identification of critical paths, linkages, predecessor and successor activities, leads and lags, and key milestones
- Identification of entity responsible for executing work
- Estimated activity durations (60-day ACEH review times are based on calendar days)

ATTACHMENT B

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 11/19/2013 By jamesy

Permit Numbers: W2013-0941
Permits Valid from 12/03/2013 to 12/06/2013

Application Id: 1383343400791 **City of Project Site:** Emeryville
Site Location: 3645 San Pablo Road-Former Chevron Service Station 371572
Project Start Date: 12/03/2013 **Completion Date:** 12/06/2013
Assigned Inspector: Contact Sam Brathwaite at (925) 570-7609 or sbrathwaite@groundzonees.com

Applicant: Conestoga-Rovers & Associates - Ben Summersett
10969 Trade Center Drive, Ste. 107, Rancho Cordova, CA 95670
Phone: 916-889-8926

Property Owner: City ROW City of Emeryville
133 Park Avenue, Emeryville, CA 94608
Phone: --

Client: Carryl MacLeod
6101 Bollinger Canyon Road, San Ramon, CA 94583
Phone: --

Contact: Bryan Sandor
Phone: 916-889-8916
Cell: 916-889-6801

Total Due: $265.00
Receipt Number: WR2013-0436 **Total Amount Paid:** $265.00
Payer Name : Conestoga-Rovers & Paid By: CHECK **PAID IN FULL**
Associates

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 7 Boreholes
Driller: Vapor Tech Services - Lic #: 916085 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2013-0941	11/19/2013	03/03/2014	7	2.00 in.	26.00 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. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities

or to Alameda County an 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.

5. 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.

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. 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.

CITY OF EMERYVILLE • DEPARTMENT OF PUBLIC WORKS
ENCROACHMENT PERMIT

APPLICANT Conestoga-Rovers + Associates
CONTACT PERSON Ben Summersett
ADDRESS 10969 Trade Center Dr, #107
Rancho Cordova, CA 95670
PHONE 916-889-8926 EMAIL bsummersett@craworldwide.com

OWNER/DEVELOPER Chevron Emc
ADDRESS 6101 Bollinger Canyon Rd
San Ramon, CA 94583
PHONE 916-889-8908 EMAIL

CONTRACTOR DOING WORK Vapor Tech Services
CONTACT PERSON Glenn Reiss
ADDRESS P.O. Box 99
San Leandro, CA 94577
PHONE 415-378-0415 EMAIL glenn@vapor-tech-services.com
LICENSE NO. C-57 #916085 CLASS

[X] Yes [ ] No CURRENT CITY BUSINESS LICENSE ON FILE
[X] Yes [ ] No PROVIDE PROOF OF INSURANCE

FOR CITY USE ONLY
Permit No. 2131160 Date 11-12-13
[ ] *Temporary Permit* #_____ days [ ] *Long Term Permit*
Permit Administrative Fee.....$ 171.00
"No Parking" Signs.....____ x $____.....$
Permit Inspection Deposit (2 hr. min.).....$ 404.00
Cost Recovery Estimate.....$
Arborist Recovery Estimate.....$
Long Term Permit Fee (____mos. x ____)$
Tree Removal Fee.....$
Tree Protection Deposit (value x 3 + $10,000) $
Required Security Deposit:
[✓] $1,000 cash.....$ 1,000
[ ] $10,000 Bond.....Bond #
[ ] 100% Performance Bond, Bond #
Bond Value $
Total Payment Required.....$
03-20582 Receipt # Date 11/18/13 Amt. Received:$ 1575.00
[ ] Business License [ ] Certificate of Insurance

EST. START DATE 12-3-13 EST. COMPLETION DATE 12-6-13 EST. COST IN CITY R/W

LOCATION OF WORK Sidewalk in front of 3645 San Pablo Ave, Emeryville, CA

CHECK ALL CONDITIONS THAT APPLY:
[ ] **Traffic Control** [ ] **Survey** [X] **Sidewalk Detour** [ ] **Dumpster** [ ] **Temporary No Parking** [ ] **Construction** [X] **Sidewalk** [ ] **Obstruction**
[ ] **Private Facilities on Public Right of Way** [ ] **Driveway Approach** [ ] **Curb & Gutter** [ ] **Pedestrian Ramp** [ ] **Water Service** [ ] **Fence**
[ ] **Excavation** [ ] **Electric Service** [ ] **Roof Drain** [ ] **Utility Maintenance** [ ] **Access Road** [ ] **Monitoring Well** [ ] **Sewer Lateral** [ ] **Crane**
[ ] **Storm Drain** [ ] **Block Party** [ ] **Gas Service** [X] soil borings

FULLY DESCRIBE PROPOSED WORK WITHIN CITY RIGHT-OF-WAY (additional space on reverse if needed): Attach 3 complete sets of plans 8 ½ X 11, if applicable.

CRA will advance seven soil borings to further delineate the lateral and vertical extent of hydrocarbons in soil and groundwater at 3645 San Pablo Road, Emeryville (Alameda County Case# RO0003068). CRA will oversee Vapor Tech Services (VTS) core up to a 4" diameter core through the sidewalk at each location unless a tree planter is available. VTS will then push rods down through the soil to approximately 25 feet below grade for soil and groundwater collection purposes. The soil boring will then be backfilled with grout under Alameda County permit to approximately 6" below grade. The sidewalk will be backfilled with DOT rated concrete unless in the tree planter (completed with top soil). Sidewalk detour and sidewalk closed signs will be used for public safety. CRA will work hard to make as little impact to the public right of way as possible.

I hereby agree to protect and indemnify the City of Emeryville and hold it harmless in every way from all claim or suits for injury or damage to persons or property as set forth in the Standard Provisions. I agree not to begin construction until all materials to be used are on hand; to perform all work in accordance with the plans submitted (if any), the Standard Provisions to Encroachment Permit, and all applicable Special Conditions of Approval, and to pay all inspection and engineering costs in addition to those paid at the time of issuance of this permit. I further agree to complete the work to the satisfaction of the City Engineer and if for any reason the City of Emeryville is required to complete this work, I will pay all costs for such work.

Applicant Signature _____ Date 11-6-13

FOR CITY USE ONLY

The following documents are attached and incorporated into this permit and have been given to the applicant:

□ Standard Provisions to Encroachment Permit □ Special Conditions of Approval
□ City Standard Details (List Details) □ Handout, Urban Runoff BMP's

□Other _____

Remarks Avoid using tree planters.

□ 48 HOUR NOTICE PRIOR TO START OF WORK
□ PROVIDE CONSTRUCTION SCHEDULE 5 DAYS PRIOR TO START OF WORK
□ AS-BUILT PLANS REQUIRED
☒ PLEASE CALL FOR INSPECTION AT 510-596-4333 Dennis 455-7286
□ PLEASE NOTIFY POLICE (510-596-3700) AND FIRE (510-596-3750) 24 HOURS IN ADVANCE.
This permit is void unless the work is completed before February 15, 20 14
This permit is to be strictly construed and no other work than is specifically mentioned is hereby authorized.

After final inspection is approved, please contact the Public Works Department at 510-596-4330 to determine final cost, and for final payment or reimbursement of deposit. Failure to obtain approval of a Final Inspection of the work covered by this Encroachment Permit within one (1) year of the estimated completion date shall result in the loss of the security deposit which shall be retained by the City of Emeryville.

APPROVED [signature] TITLE Sr. Civil Engineer DATE 11/8/13

FINAL INSPECTION APPROVED _____ TITLE _____ DATE _____

ATTACHMENT C

BORING LOG

Conestoga-Rovers & Associates
10969 Trade Center Drive suite 107
Rancho Cordova, California 95670
Telephone: (916) 889-8900
Fax: (916) 889-8999

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-17
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	28-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	28-Jan-14
PROJECT NUMBER	062056	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	Bryan Sandor	**DEPTH TO WATER (First Encountered)**	18.0 fbg (28-Jan-14)
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	15.0 fbg
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Fill: gravelly sand;dark brown; dry	1.0	
					SM		**Sand with silt:** trace fine gravel; dark brown; dry	2.0	
					CL		**Clay with silt:** trace fine sand; dark gray; dry; medium plasticity @ 3 fbg: no sand; moist; high plasticity @ 4 fbg: dry		
285		B-17- 5		5			@ 6 fbg: calcium deposits; organic veins; color change to light gray	7.0	
					ML		**Silt:** some fine sand; trace clay; olive gray; dry @ 8 fbg: yellowish brown mottling		
168		B-17- 10		10			@ 9 fbg: increase clay and fine sand; color change to greenish gray; soft; medium plasticity		
							@ 13 fbg: yellowish brown mottling		
115		B-17- 15		15			@ 15 fbg: stiff		Portland Type I/II
								18.0	
					SW		**Silty sand:** fine to coarse sand; greenish gray; wet; soft		
440		B-17- 20		20			@ 21 fbg: color change to light brown; dry; stiff @ 22 fbg: color change to greenish gray; moist		
99		B-17- 25		25			@ 24 fbg: increase fine sand and silts; color change to light brown; moist; stiff; low plasticity		
					ML		**Silt with clay and sand:** trace gravel; light brown; moist; soft; high plasticity	28.0	
56.5		B-17- 30		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\PROJEC~2\6-CHAR\06----\0620--\0620560645FA~1\062056-BORING LOGS-B17-B23.GPJ DEFAULT.GDT 3/20/14

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-18
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	28-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	28-Jan-14
PROJECT NUMBER	062056	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	Bryan Sandor	**DEPTH TO WATER (First Encountered)**	18.0 fbg (28-Jan-14)
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	38.5 fbg
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Fill: Gravelly sand; dark brown; dry	2.5	
					ML		**Silt with clay:** some fine sand; trace gravel; dark gray; dry @ 4 fbg: increase fine gravel and coarse sand; color change to olive gray; medium plasticity	5.0	
0.6		B-18- 5		5	SM		**Silty Sand:** fine to medium sand; greenish gray; dry; loose	8.0	
13.5		B-18- 10		10	ML		**Silt with sand:** some clay; fine to medium sand; greenish gray; yellowish orange mottling; stiff; low plasticity @ 9 fbg: increase fines; medium plasticity @ 12 fbg: increase clay; soft; high plasticity @ 13 fbg: light brown mottling	16.0	
145		B-18- 15		15					
20.8		B-18- 20		20	SM		**Sand with silt:** fine sand: some clay; greenish gray; moist @ 18 fbg: decrease fines; increase medium sand; wet @ 19 fbg: increase fines; moist; low plasticity		Portland Type I/II
0.1		B-18- 25		25			@ 24 fbg: increase medium grain sand; color change to light brown	26.0	
					SW		**Gravelly sand with silt:** light brown; moist	29.0	
1.2		B-18- 30		30			**Sandy silt:** greenish gray; moist; soft; low plasticity		

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-18
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	28-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	28-Jan-14

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ML			32.0	
0.3		B-18- 35		35	SW		**Sand with silt:** some fine gravel; light brown; moist; stiff @ 35 fbg: increase fines; no gravel; soft; low plasticity	36.0	
					ML		**Clayey silt:** some fine sand; light gray; wet; stiff; medium plasticity ▼		
0.1		B-18- 40		40				40.0	Bottom of Boring @ 40 fbg

WELL LOG (PID) I:\PROJEC~2\6-CHAR\06----\0620--\0620560645FA~1\062056-BORING LOGS-B17-B23.GPJ DEFAULT.GDT 3/20/14

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-19
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	29-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	29-Jan-14
PROJECT NUMBER	062056	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	Bryan Sandor	**DEPTH TO WATER (First Encountered)**	42.0 fbg (29-Jan-14)
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	34.5 fbg
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Fill: Gravelly sand; dark brown; dry	1.5	
					ML		**Sandy silt with clay:** dark brown; dry; soft; low plasticity		
0.1		B-19- 5		5			@ 4 fbg: increase fines; trace gravel; color change to light gray; medium plasticity	6.0	
					SP		**Sand with silt:** greenish gray; dry; loose	8.0	
					ML		**Clayey silt with sand:** greenish gray; light brown mottling; dry; stiff; low plasticity		
2.0		B-19- 10		10			@ 12 fbg: increase in clays; color change to dark greenish gray; soft; medium plasticity		
90.2		B-19- 15		15				15.0	
					SM		**Silty sand:** greenish gray; moist; soft; low plasticity	18.0	
					SW		**Sand with silt and gravel:** fine gravel; fine to coarse sand ; greenish grey; moist; stiff	19.0	
67.7		B-19- 20		20			**Silty sand:** trace gravel and clay; greenish grey; moist; soft; low plasticity		
					SM		@ 22 fbg: increase fine gravel; decrease clay; stiff; no plasticity	23.0	Portland Type I/II
					ML		**Silty sand with clay:** fine sand; greenish gray; moist; soft; medium plasticity	24.0	
3.5		B-19- 25		25			**Silty sand with clay:** fine to medium sand; light brown; moist stiff; low plasticity @ 25 fbg: increase clays; increase fine to coarse gravel; decrease sand, decrease plasticity		
					SM		@28 fbg: no gravel		
1.8		B-19- 30		30				30.0	

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-19
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	29-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	29-Jan-14

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ML		**Sandy silt with clay:** light brown; moist; soft; medium plasticity	33.0	
0.2		B-19- 35		35	SM		**Silty sand:** light brown; moist	37.0	
0.1		B-19- 40		40	ML		**Sandy silt with clay:** olive gray; greenish gray mottling; moist; medium plasticity @ 40 fbg: trace coarse sand @ 42 fbg: decrease stiffness; wet	45.0	Bottom of Boring @ 45 fbg
		B-19- 43		45					

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-20
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	29-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	29-Jan-14
PROJECT NUMBER	062056	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	Bryan Sandor	**DEPTH TO WATER (First Encountered)**	17.0 fbg (29-Jan-14)
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	25.0 fbg
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Fill: gravelly sand; light brown; dry	1.5	
					ML		**Clayey silt:** some fine sand and trace gravel; dark brown; dry; medium plasticity		
							@3.5 fbg: increasing sand; color change to greenish gray	4.0	
0.1		B-20- 5		5	SC		**Silty sand with gravel:** greenish gray; dry; soft; low plasticity	6.0	
					SP		**Sand with silt:** fine to medium sand; greenish gray; dry; loose	8.0	
7.7		B-20- 10		10	ML		**Sandy silt with clay:** greenish gray; dark gray mottling; moist; very stiff; medium plasticity	12.0	
83.3		B-20- 15		15	SM		**Sand with silt:** greenish gray; moist; soft	17.0	
66.9		B-20- 20		20	SW		**Sand with gravel:** fine to coarse sand; fine gravel; greenish gray; wet; very soft		Portland Type I/II
							22 fbg: color change to light brown; moist; stiff		
0.6		B-20- 25		25			**Sand with silt:** fine to medium sand; trace fine gravel; light brown; moist; very stiff; low plasticity	25.0	
0.1		B-20- 30		30					

WELL LOG (PID) I:\PROJEC~2\6-CHAR\06----\0620--\0620560645FA~1\062056-BORING LOGS-B17-B23.GPJ DEFAULT.GDT 3/20/14

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-20
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	29-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	29-Jan-14

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.1		B-20- 35		35	SM		@ 30 fbg: increase fines; no gravel; soft; medium plasticity @ 32 fbg: increase medium sand; low plasticity @ 35 fbg: increase fines; med plasticity	38.0	Bottom of Boring @ 38 fbg

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-21
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	29-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	29-Jan-14
PROJECT NUMBER	062056	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	Bryan Sandor	**DEPTH TO WATER (First Encountered)**	34.0 fbg (29-Jan-14)
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	31.2 fbg
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Fill: gravelly sand; light brown; dry	1.0	
					ML		**Sandy silt:** olive gray; dry; low plasticity	4.0	
0.0		B-21- 5		5	SW		**Sand with silt:** trace clay and gravel; olive gray; dry @ 5 fbg: color change to greenish gray	6.0	
					GM		**Gravel with sand and silt:** greenish gray; dry 7 fbg: increase in fine to coarse sand	8.0	
0.0		B-21- 10		10	SM		**Silty sand:** light brown, dry @ 9 fbg: some fine gravel; very stiff @ 10 fbg: no gravel; color change to greenish gray; soft @ 13 fbg: increasing fine sand	14.0	
0.7		B-21- 15		15	SW		**Gravelly sand with silt:** greenish gray; dry; soft @ 16 fbg: decrease gravel; light brown mottling @ 18 fbg: no gravel; increase fine sand; color change to light brown; very soft @ 19 fbg: increase fine gravel; color change to dark gray	21.0	Portland Type I/II
0.0		B-21- 20		20					
0.0		B-21- 25		25	ML		**Sandy silt:** dark gray; dry; stiff @ 23 fbg: soft; medium plasticity		
0.0		B-21- 30		30					

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-21
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	29-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	29-Jan-14

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.0		B-21- 35		35			@ 30 fbg: increase fine gravel; color change to light brown; stiff ▼ @ 34 fbg: increase fine gravel and fine to coarse sand; wet ▽ @ 35 fbg: no gravel; increase fines; moist @ 36 fbg: color change to olive gray	37.0	Bottom of Boring @ 37 fbg

WELL LOG (PID) I:\PROJEC~2\6-CHAR\06----\0620--\0620560645FA~1\062056-BORING LOGS-B17-B23.GPJ DEFAULT.GDT 3/20/14

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-22
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	30-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	30-Jan-14
PROJECT NUMBER	062056	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	Bryan Sandor	**DEPTH TO WATER (First Encountered)**	31.0 fbg (30-Jan-14)
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	22.0 fbg
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Fill: gravelly sand; light gray; dry	1.0	
					ML		**Clayey silt with sand:** trace gravel; dark brown; dry; medium plasticity	4.0	
0.0		B-22- 5		5	SM		**Silty sand:** light gray; some gravel; dry	6.0	
					SP		**Sand:** some silt; light gray; dry; loose	8.0	
					ML		**Sandy silt with gravel and clay:** light brown; stiff; dry	9.0	
					GC ML		**Sandy silt:** some clay; trace fine gravel; light brown; dry; stiff	10.0	
0.0		B-22- 10		10	SM		**Silty sand:** some clay; trace gravel; light brown; greenish gray mottling; moist; soft; low plasticity	16.0	
0.0		B-22- 15		15	ML		**Sandy silt:** olive gray; moist; soft; low plasticity	19.0	Portland Type I/II
					SW		**Gravelly sand:** fine to coarse sand; fine gravel; olive gray; loose; moist	20.0	
0.0		B-22- 20		20	SM		**Silty sand:** some fine gravel; light brown; moist @ 21 fbg: increase fines; no gravel	23.0	
							No recovery	25.0	
0.0		B-22- 25		25			**Silty sand:** fine to medium sand; light brown; moist; loose @ 27 fbg: increase in fines; stiff		
0.0		B-22- 30		30					

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-22
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	30-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	30-Jan-14

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.0		B-22- 35		35	SM		@ 30 fbg: increase gravel ▽ @ 32 fbg: trace gravel; loose @ 34 fbg: no gravel; increase in fines; moist; soft; low plasticity @ 36 fbg: color change to light gray	37.0	Bottom of Boring @ 37 fbg

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-23
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	30-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	30-Jan-14
PROJECT NUMBER	062056	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Direct push - continuous core	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	Bryan Sandor	**DEPTH TO WATER (First Encountered)**	31.0 fbg (30-Jan-14)
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	18.2 fbg
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Fill: gravelly sand; light gray; dry	1.0	
					ML		**Clayey silt with sand:** trace gravel; drak brown; dry; medium plasticity	4.0	
0.0		B-23- 5		5	SW		**Gravelly sand with silt:** fine to coarse sand; fine gravel; some clay; light gray; dry	6.0	
					SM		**Silty sand:** trace fine gravel; fine to coarse sand; light brown; dry; stiff		
0.0		B-23- 10		10			@ 9 fbg: no gravel; increase in fines; low plasticity		
							@ 12 fbg: increase medium sand; moist; soft		
0.0		B-23- 15		15				17.0	
					SW		**Gravelly sand with silt:** fine to coarse sand; fine gravel; greenish gray; moist; soft	18.0	
					SM		**Silty sand:** some clay; greenish gray; moist; very soft; low plasticity		Portland Type I/II
0.1		B-23- 20		20				21.0	
					SW		**Sand with gravel and silt:** fine gravel; light brown; moist; very soft; low plasticity		
0.0		B-23- 25		25				25.0	
					SM		**Silty sand:** light brown; moist; soft		
							@ 27 fbg: increase medium sand	28.0	
					GW		**Gravel with sand:** fine gravel; some silt; moist; soft	29.0	
					SM		**Silty sand:** light brown; moist; soft		
0.0		B-23- 30		30				30.0	

WELL LOG (PID) I:\PROJEC~2\6-CHAR\06----\0620--\0620560645FA~1\062056-BORING LOGS-B17-B23.GPJ DEFAULT.GDT 3/20/14

Continued Next Page

Conestoga-Rovers & Associates
10969 Trade Center Drive suite 107
Rancho Cordova, California 95670
Telephone: (916) 889-8900
Fax: (916) 889-8999

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-23
JOB/SITE NAME	Former Chevron Station 371572	**DRILLING STARTED**	30-Jan-14
LOCATION	3645 San Pablo Avenue Emeryville, California	**DRILLING COMPLETED**	30-Jan-14

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					GW		**Sandy gravel:** some silt; light brown; moist; stiff ▽	31.0	
					SW		**Sand with gravel:** some silt; light brown; wet; very soft	34.0	
0.0		B-23- 35		35	SM		**Sand with silt:** light brown; moist; very soft	35.0	
					ML		**Silt with sand:** light brown; moist; very soft; medium plasticity	37.0	Bottom of Boring @ 37 fbg

ATTACHMENT D

LABORATORY ANALYTICAL RESULTS

REVISED

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

June 16, 2014

Project: 371572

Submittal Date: 02/01/2014
Group Number: 1449826
PO Number: 0015141332
Release Number: HOPKINS/CMACLEO
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
B-17-S-5-140128 Grab Soil	7353065
B-17-S-10-140128 Grab Soil	7353066
B-17-S-15-140128 Grab Soil	7353067
B-17-S-20-140128 Grab Soil	7353068
B-17-S-25-140128 Grab Soil	7353069
B-17-S-30-140128 Grab Soil	7353070
B-18-S-5-140128 Grab Soil	7353071
B-18-S-10-140128 Grab Soil	7353072
B-18-S-15-140128 Grab Soil	7353073
B-18-S-20-140128 Grab Soil	7353074
B-18-S-25-140128 Grab Soil	7353075
B-18-S-30-140128 Grab Soil	7353076
B-18-S-35-140128 Grab Soil	7353077
B-18-S-40-140128 Grab Soil	7353078
B-19-S-5-140129 Grab Soil	7353079
B-19-S-10-140129 Grab Soil	7353080
B-19-S-15-140129 Grab Soil	7353081
B-19-S-20-140129 Grab Soil	7353082
B-19-S-25-140129 Grab Soil	7353083
B-19-S-30-140129 Grab Soil	7353084
B-19-S-35-140129 Grab Soil	7353085
B-19-S-40-140129 Grab Soil	7353086
B-19-S-43-140129 Grab Soil	7353087
B-20-S-5-140129 Grab Soil	7353088
B-20-S-10-140129 Grab Soil	7353089
B-20-S-15-140129 Grab Soil	7353090
B-20-S-20-140129 Grab Soil	7353091
B-20-S-25-140129 Grab Soil	7353092
B-20-S-30-140129 Grab Soil	7353093
B-20-S-35-140129 Grab Soil	7353094
B-21-S-5-140129 Grab Soil	7353095

REVISED

B-21-S-10-140129 Grab Soil	7353096
B-21-S-15-140129 Grab Soil	7353097
B-21-S-20-140129 Grab Soil	7353098
B-21-S-25-140129 Grab Soil	7353099
B-21-S-30-140129 Grab Soil	7353100
B-21-S-35-140129 Grab Soil	7353101
B-22-S-5-140130 Grab Soil	7353102
B-22-S-10-140130 Grab Soil	7353103
B-22-S-15-140130 Grab Soil	7353104
B-22-S-20-140130 Grab Soil	7353105
B-22-S-25-140130 Grab Soil	7353106
B-22-S-30-140130 Grab Soil	7353107
B-22-S-35-140130 Grab Soil	7353108
B-23-S-5-140130 Grab Soil	7353109
B-23-S-10-140130 Grab Soil	7353110
B-23-S-15-140130 Grab Soil	7353111
B-23-S-20-140130 Grab Soil	7353112
B-23-S-25-140130 Grab Soil	7353113
B-23-S-30-140130 Grab Soil	7353114
B-23-S-35-140130 Grab Soil	7353115

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

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Brian Silva
ELECTRONIC COPY TO	CRA	Attn: Bryan Sandor

Respectfully Submitted,

Natalie R. Luciano
Senior Specialist

(717) 556-7258

REVISED

Sample Description: B-17-S-5-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353065
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1705

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.03
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00034	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00071	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.8
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0738	0.485	1
06951	Chromium	7440-47-3	46.8	0.155	1.46	1
06955	Lead	7439-92-1	6.28	0.485	1.46	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-5-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353065
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1705

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	78.3	0.126	0.971	1
06972	Zinc	7440-66-6	35.9	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140362AA	02/06/2014 08:55	Stephanie A Selis	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 08:34	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 06:25	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/06/2014 19:25	Laura M Krieger	24.8
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 08:35	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 18:08	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 12:01	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708001	02/05/2014 18:47	Katlin N Cataldi	1
06951	Chromium	SW-846 6010B	1	140355708001	02/05/2014 18:47	Katlin N Cataldi	1
06955	Lead	SW-846 6010B	1	140355708001	02/05/2014 18:47	Katlin N Cataldi	1
06961	Nickel	SW-846 6010B	1	140355708001	02/05/2014 18:47	Katlin N Cataldi	1
06972	Zinc	SW-846 6010B	1	140355708001	02/05/2014 18:47	Katlin N Cataldi	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708001	02/04/2014 22:10	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-10-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353066
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1710

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.06
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.06
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00094	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	11	1	1	24.85
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0738	0.485	1
06951	Chromium	7440-47-3	48.5	0.155	1.46	1
06955	Lead	7439-92-1	5.15	0.485	1.46	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-10-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353066
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1710

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	61.5	0.126	0.971	1
06972	Zinc	7440-66-6	54.1	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140362AA	02/06/2014 09:40	Stephanie A Selis	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 08:42	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 08:03	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/06/2014 20:01	Laura M Krieger	24.85
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 08:43	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 19:13	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 13:30	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708001	02/05/2014 18:51	Katlin N Cataldi	1
06951	Chromium	SW-846 6010B	1	140355708001	02/05/2014 18:51	Katlin N Cataldi	1
06955	Lead	SW-846 6010B	1	140355708001	02/05/2014 18:51	Katlin N Cataldi	1
06961	Nickel	SW-846 6010B	1	140355708001	02/05/2014 18:51	Katlin N Cataldi	1
06972	Zinc	SW-846 6010B	1	140355708001	02/05/2014 18:51	Katlin N Cataldi	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708001	02/04/2014 22:10	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-15-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353067
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:24 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1715

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.027	0.27	54.11
10237	1,2-Dibromoethane	106-93-4	N.D.	0.054	0.27	54.11
10237	1,2-Dichloroethane	107-06-2	N.D.	0.054	0.27	54.11
10237	Ethylbenzene	100-41-4	N.D.	0.054	0.27	54.11
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.027	0.27	54.11
10237	Toluene	108-88-3	N.D.	0.054	0.27	54.11
10237	Xylene (Total)	1330-20-7	N.D.	0.054	0.27	54.11
	Reporting limits were raised due to interference from the sample matrix.					
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	0.0057	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.0037	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0040	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0018	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.00070	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0010	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0012	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0014	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.0034	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0066	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.042	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.014	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.0045	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	80	3.9	3.9	97.47
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	31	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	0.439	0.0738	0.485	1
06951	Chromium	7440-47-3	29.3	0.155	1.46	1
06955	Lead	7439-92-1	7.18	0.485	1.46	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-15-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353067
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:24 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1715

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	61.3	0.126	0.971	1
06972	Zinc	7440-66-6	45.0	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Q140361AA	02/05/2014 19:04	Andrea E Lando	54.11
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 08:49	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 08:36	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/07/2014 03:54	Laura M Krieger	97.47
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 08:50	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 19:34	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 13:53	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 09:46	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 09:46	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 09:46	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 09:46	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 09:46	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-20-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353068
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1720

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.027	0.27	54.23
10237	1,2-Dibromoethane	106-93-4	N.D.	0.054	0.27	54.23
10237	1,2-Dichloroethane	107-06-2	N.D.	0.054	0.27	54.23
10237	Ethylbenzene	100-41-4	N.D.	0.054	0.27	54.23
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.027	0.27	54.23
10237	Toluene	108-88-3	N.D.	0.054	0.27	54.23
10237	Xylene (Total)	1330-20-7	N.D.	0.054	0.27	54.23
	Reporting limits were raised due to interference from the sample matrix.					
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	0.00042	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0010	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0034	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0014	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	0.0036	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	0.0014	0.00067	0.0017	1
10725	Fluorene	86-73-7	0.00082	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.059	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	0.0088	0.00067	0.0017	1
10725	Pyrene	129-00-0	0.0013	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	630	39	39	979.43
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	46	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	50.6	0.154	1.44	1
06955	Lead	7439-92-1	6.08	0.481	1.44	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-20-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353068
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1720

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	64.5	0.125	0.962	1
06972	Zinc	7440-66-6	56.8	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Q140361AA	02/05/2014 19:26	Andrea E Lando	54.23
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 08:59	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 09:09	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	2	14038A16A	02/08/2014 09:19	Laura M Krieger	979.43
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:00	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 19:56	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 14:15	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 09:50	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 09:50	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 09:50	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 09:50	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 09:50	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-25-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353069
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1725

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.05
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0013	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.78
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	0.151	0.0731	0.481	1
06951	Chromium	7440-47-3	44.9	0.154	1.44	1
06955	Lead	7439-92-1	5.95	0.481	1.44	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-17-S-25-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353069
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 10:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1725

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	69.5	0.125	0.962	1
06972	Zinc	7440-66-6	49.8	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 16:45	Angela D Sneeringer	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:07	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 09:41	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/06/2014 20:38	Laura M Krieger	24.78
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:08	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 20:33	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 14:37	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 10:01	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 10:01	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 10:01	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 10:01	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 10:01	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-S-30-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353070
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 11:10 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1730

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.06
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.06
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0031	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00094	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	0.0024	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	0.00080	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0023	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	0.0042	0.00067	0.0017	1
10725	Pyrene	129-00-0	0.00079	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	0.290	0.0760	0.500	1
06951	Chromium	7440-47-3	81.2	0.160	1.50	1
06955	Lead	7439-92-1	6.34	0.500	1.50	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-17-S-30-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353070
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 11:10 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1730

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	115	0.130	1.00	1
06972	Zinc	7440-66-6	60.0	0.200	2.00	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 22:52	Angela D Sneeringer	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:15	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 10:14	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/06/2014 21:14	Laura M Krieger	25.1
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:16	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 21:01	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 15:00	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 10:05	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 10:05	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 10:05	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 10:05	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 10:05	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-5-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353071
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 12:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1805

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.06
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.06
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0014	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.2
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	40.0	0.158	1.49	1
06955	Lead	7439-92-1	4.94	0.495	1.49	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-18-S-5-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353071
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 12:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1805

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	20.8	0.129	0.990	1
06972	Zinc	7440-66-6	29.9	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 17:31	Angela D Sneeringer	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:26	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 10:47	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/06/2014 21:50	Laura M Krieger	25.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:27	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 21:22	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 15:22	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 10:09	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 10:09	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 10:09	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 10:09	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 10:09	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-10-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353072
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.025	0.25	50.92
10237	1,2-Dibromoethane	106-93-4	N.D.	0.051	0.25	50.92
10237	1,2-Dichloroethane	107-06-2	N.D.	0.051	0.25	50.92
10237	Ethylbenzene	100-41-4	N.D.	0.051	0.25	50.92
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.92
10237	Toluene	108-88-3	N.D.	0.051	0.25	50.92
10237	Xylene (Total)	1330-20-7	N.D.	0.051	0.25	50.92
	Reporting limits were raised due to interference from the sample matrix.					
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	0.0015	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	0.0023	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	0.00045	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	0.0029	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.036	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	0.0019	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	490	39	39	963.39
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	110	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	50.1	0.154	1.44	1
06955	Lead	7439-92-1	4.52	0.481	1.44	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-10-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353072
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	80.5	0.125	0.962	1
06972	Zinc	7440-66-6	51.8	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Q140361AA	02/05/2014 19:49	Andrea E Lando	50.92
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533748	02/04/2014 09:40	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:34	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 11:20	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 09:57	Laura M Krieger	963.39
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533748	02/04/2014 09:36	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 21:44	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 15:44	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 10:13	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 10:13	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 10:13	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 10:13	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 10:13	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-15-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353073
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.027	0.27	53.53
10237	1,2-Dibromoethane	106-93-4	N.D.	0.054	0.27	53.53
10237	1,2-Dichloroethane	107-06-2	N.D.	0.054	0.27	53.53
10237	Ethylbenzene	100-41-4	N.D.	0.054	0.27	53.53
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.027	0.27	53.53
10237	Toluene	108-88-3	N.D.	0.054	0.27	53.53
10237	Xylene (Total)	1330-20-7	N.D.	0.054	0.27	53.53
	Reporting limits were raised due to interference from the sample matrix.					
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	0.0088	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.0062	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.0030	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.0024	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	0.00099	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.0014	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0010	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.0020	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	0.0032	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0074	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.068	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.012	0.00066	0.0017	1
10725	Pyrene	129-00-0	0.0049	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	300	9.8	9.8	244.86
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	54	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	31.8	0.158	1.49	1
06955	Lead	7439-92-1	7.15	0.495	1.49	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-15-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353073
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	48.4	0.129	0.990	1
06972	Zinc	7440-66-6	46.1	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Q140361AA	02/05/2014 20:12	Andrea E Lando	53.53
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 12:54	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/07/2014 11:52	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/07/2014 05:43	Laura M Krieger	244.86
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 12:55	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 22:27	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 16:07	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 10:17	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 10:17	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 10:17	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 10:17	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 10:17	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-20-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353074
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1820

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.025	0.25	50.61
10237	1,2-Dibromoethane	106-93-4	N.D.	0.051	0.25	50.61
10237	1,2-Dichloroethane	107-06-2	N.D.	0.051	0.25	50.61
10237	Ethylbenzene	100-41-4	N.D.	0.051	0.25	50.61
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.61
10237	Toluene	108-88-3	N.D.	0.051	0.25	50.61
10237	Xylene (Total)	1330-20-7	N.D.	0.051	0.25	50.61
	Reporting limits were raised due to interference from the sample matrix.					
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.00035	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00051	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0032	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0013	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	80	4.1	4.1	101.42
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	6.4	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	46.1	0.158	1.49	1
06955	Lead	7439-92-1	4.28	0.495	1.49	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-20-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353074
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1820

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	37.8	0.129	0.990	1
06972	Zinc	7440-66-6	48.7	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Q140361AA	02/05/2014 20:35	Andrea E Lando	50.61
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:02	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/11/2014 02:23	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/07/2014 06:19	Laura M Krieger	101.42
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:03	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 22:49	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 16:29	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 10:21	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 10:21	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 10:21	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 10:21	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 10:21	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-25-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353075
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:40 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1825

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00095	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.77
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	51.3	0.157	1.47	1
06955	Lead	7439-92-1	9.20	0.490	1.47	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-18-S-25-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353075
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:40 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1825

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	66.4	0.127	0.980	1
06972	Zinc	7440-66-6	55.5	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 17:54	Angela D Sneeringer	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:10	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14035SLH026	02/11/2014 02:56	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14035SLH026	02/05/2014 12:10	Anna E Stager	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/06/2014 22:27	Laura M Krieger	25.77
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:12	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 23:11	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 17:36	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140355708004	02/08/2014 10:25	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140355708004	02/08/2014 10:25	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140355708004	02/08/2014 10:25	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140355708004	02/08/2014 10:25	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140355708004	02/08/2014 10:25	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140355708004	02/04/2014 21:38	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-30-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353076
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:50 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1830

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	0.00043	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.78
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	32.7	0.157	1.47	1
06955	Lead	7439-92-1	10.1	0.490	1.47	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-18-S-30-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353076
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:50 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1830

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	78.4	0.127	0.980	1
06972	Zinc	7440-66-6	47.9	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 19:06	Angela D Sneeringer	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:23	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 09:49	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/06/2014 23:03	Laura M Krieger	24.78
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:24	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 23:32	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 17:59	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 13:45	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 13:45	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 13:45	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 13:45	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 13:45	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-35-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353077
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 15:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1835

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.8
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0738	0.485	1
06951	Chromium	7440-47-3	38.9	0.155	1.46	1
06955	Lead	7439-92-1	10.1	0.485	1.46	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-18-S-35-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353077
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 15:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1835

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	52.8	0.126	0.971	1
06972	Zinc	7440-66-6	49.4	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 19:28	Angela D Sneeringer	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:59	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:31	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 10:21	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/06/2014 23:40	Laura M Krieger	24.8
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:32	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/05/2014 23:54	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 18:21	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 13:49	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 13:49	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 13:49	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 13:49	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 13:49	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-S-40-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353078
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 15:10 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1840

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.04
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.04
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	0.00072	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.0016	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00053	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00080	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00086	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.63
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	69.2	0.158	1.49	1
06955	Lead	7439-92-1	13.5	0.495	1.49	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-18-S-40-140128 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353078
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/28/2014 15:10 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1840

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	83.3	0.129	0.990	1
06972	Zinc	7440-66-6	73.3	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 19:51	Angela D Sneeringer	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 14:00	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533749	02/04/2014 14:00	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:39	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 10:52	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/07/2014 00:16	Laura M Krieger	24.63
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:40	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/06/2014 00:15	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 18:43	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:00	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:00	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:00	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:00	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:00	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **B-19-S-5-140129 Grab Soil**
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353079
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1905

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.05
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.73
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	32.0	0.154	1.44	1
06955	Lead	7439-92-1	5.88	0.481	1.44	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-19-S-5-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353079
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1905

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	13.6	0.125	0.962	1
06972	Zinc	7440-66-6	19.9	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 20:14	Angela D Sneeringer	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 14:00	Stephanie A Sanchez	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533749	02/04/2014 14:00	Stephanie A Sanchez	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:48	Stephanie A Sanchez	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 08:14	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/07/2014 00:52	Laura M Krieger	24.73
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533749	02/04/2014 13:49	Stephanie A Sanchez	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/06/2014 00:37	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 19:06	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:04	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:04	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:04	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:04	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:04	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-10-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353080
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1910

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.03
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0010	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.4	1.0	1.0	25.1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	51.0	0.154	1.44	1
06955	Lead	7439-92-1	10.0	0.481	1.44	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-10-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353080
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1910

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	88.3	0.125	0.962	1
06972	Zinc	7440-66-6	46.2	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 20:36	Angela D Sneeringer	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:03	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:03	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:19	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 11:24	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/07/2014 02:04	Laura M Krieger	25.1
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:20	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/06/2014 00:59	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 19:28	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 13:22	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 13:22	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 13:22	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 13:22	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 13:22	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-15-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353081
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:40 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1915

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.025	0.25	50.2
10237	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	50.2
10237	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	50.2
10237	Ethylbenzene	100-41-4	N.D.	0.050	0.25	50.2
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	50.2
10237	Toluene	108-88-3	N.D.	0.050	0.25	50.2
10237	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	50.2
	Reporting limits were raised due to interference from the sample matrix.					
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	0.0026	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	0.00090	0.00033	0.0017	1
10725	Anthracene	120-12-7	0.00036	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	0.00071	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	0.0015	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	0.0013	0.00067	0.0017	1
10725	Fluorene	86-73-7	0.0016	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.011	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	0.0030	0.00067	0.0017	1
10725	Pyrene	129-00-0	0.0026	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	300	190	190	4789.27
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	18	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	18	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	96	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	0.282	0.0738	0.485	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-15-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353081
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:40 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1915

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06951	Chromium	7440-47-3	29.9	0.155	1.46	1
06955	Lead	7439-92-1	6.34	0.485	1.46	1
06961	Nickel	7440-02-0	48.4	0.126	0.971	1
06972	Zinc	7440-66-6	44.2	0.200	2.00	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Q140361AA	02/05/2014 20:58	Andrea E Lando	50.2
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:03	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:03	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:31	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 11:55	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 10:34	Laura M Krieger	4789.27
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:32	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/06/2014 01:20	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 19:50	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140415708002	02/11/2014 08:31	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140415708002	02/11/2014 08:31	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140415708002	02/11/2014 08:31	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140415708002	02/11/2014 08:31	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140435708001	02/13/2014 02:07	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140415708002	02/10/2014 22:26	Annamaria Kuhns	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	2	140435708001	02/12/2014 17:16	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-20-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353082
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:45 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1920

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	0.10	0.024	0.24	48.83
10237	1,2-Dibromoethane	106-93-4	N.D.	0.049	0.24	48.83
10237	1,2-Dichloroethane	107-06-2	N.D.	0.049	0.24	48.83
10237	Ethylbenzene	100-41-4	0.11	0.049	0.24	48.83
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	48.83
10237	Toluene	108-88-3	N.D.	0.049	0.24	48.83
10237	Xylene (Total)	1330-20-7	N.D.	0.049	0.24	48.83
	Reporting limits were raised due to interference from the sample matrix.					
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.00051	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0017	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.056	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0011	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	88	82	82	2059.73
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	14	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	0.350	0.0738	0.485	1
06951	Chromium	7440-47-3	46.4	0.155	1.46	1
06955	Lead	7439-92-1	3.60	0.485	1.46	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-19-S-20-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353082
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:45 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1920

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	39.3	0.126	0.971	1
06972	Zinc	7440-66-6	46.6	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Q140361AA	02/05/2014 21:21	Andrea E Lando	48.83
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:36	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 12:27	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 11:12	Laura M Krieger	2059.73
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:38	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/06/2014 01:42	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 20:12	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140415708002	02/11/2014 08:35	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140415708002	02/11/2014 08:35	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140415708002	02/11/2014 08:35	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140415708002	02/11/2014 08:35	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140435708001	02/13/2014 02:18	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140415708002	02/10/2014 22:26	Annamaria Kuhns	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	2	140435708001	02/12/2014 17:16	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-25-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353083
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:50 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1925

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.97
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.97
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.97
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0012	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	0.9	0.9	22.94
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	49.9	0.154	1.44	1
06955	Lead	7439-92-1	9.79	0.481	1.44	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-19-S-25-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353083
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:50 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1925

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	58.3	0.125	0.962	1
06972	Zinc	7440-66-6	55.4	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 20:59	Angela D Sneeringer	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:43	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 12:58	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/07/2014 02:41	Laura M Krieger	22.94
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:44	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/06/2014 02:04	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 20:34	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:07	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:07	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:07	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:07	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:07	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-30-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353084
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:55 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1930

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.98
10237	1,2-Dichloroethane	107-06-2	0.01	0.001	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0017	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.9
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0760	0.500	1
06951	Chromium	7440-47-3	30.6	0.160	1.50	1
06955	Lead	7439-92-1	8.72	0.500	1.50	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-19-S-30-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353084
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:55 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1930

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	45.1	0.130	1.00	1
06972	Zinc	7440-66-6	43.4	0.200	2.00	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 21:22	Angela D Sneeringer	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:54	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 13:30	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037A31A	02/07/2014 03:17	Laura M Krieger	24.9
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 14:52	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140340021A	02/06/2014 02:25	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140340020A	02/07/2014 20:56	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140340020A	02/04/2014 15:00	Wanda F Oswald	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140340021A	02/04/2014 15:00	Wanda F Oswald	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:11	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:11	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:11	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:11	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:11	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-35-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353085
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1935

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.96
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.96
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0022	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.88
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	0.306	0.0738	0.485	1
06951	Chromium	7440-47-3	37.9	0.155	1.46	1
06955	Lead	7439-92-1	4.11	0.485	1.46	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-19-S-35-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353085
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1935

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	41.9	0.126	0.971	1
06972	Zinc	7440-66-6	41.3	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 21:44	Angela D Sneeringer	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:21	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 14:01	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 18:50	Laura M Krieger	23.88
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:24	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 16:32	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/11/2014 13:18	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140415708002	02/11/2014 08:46	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140415708002	02/11/2014 08:46	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140415708002	02/11/2014 08:46	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140415708002	02/11/2014 08:46	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140435708001	02/13/2014 02:21	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140415708002	02/10/2014 22:26	Annamaria Kuhns	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	2	140435708001	02/12/2014 17:16	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-40-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353086
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1940

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.08
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.08
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.08
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.08
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.08
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.08
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.08
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00081	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00047	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0016	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0015	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.05
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	0.194	0.0745	0.490	1
06951	Chromium	7440-47-3	59.7	0.157	1.47	1
06955	Lead	7439-92-1	6.13	0.490	1.47	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-40-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353086
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1940

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	70.0	0.127	0.980	1
06972	Zinc	7440-66-6	47.2	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 03:49	Stephanie A Selis	1.08
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:29	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 14:33	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 19:26	Laura M Krieger	25.05
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:31	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 17:37	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 16:56	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140415708002	02/11/2014 08:50	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140415708002	02/11/2014 08:50	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140415708002	02/11/2014 08:50	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140415708002	02/11/2014 08:50	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140435708001	02/13/2014 02:25	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140415708002	02/10/2014 22:26	Annamaria Kuhns	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	2	140435708001	02/12/2014 17:16	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-S-43-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353087
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1943

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.06
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.06
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0011	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00077	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.7
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0738	0.485	1
06951	Chromium	7440-47-3	45.7	0.155	1.46	1
06955	Lead	7439-92-1	8.41	0.485	1.46	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-19-S-43-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353087
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E1943

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	36.9	0.126	0.971	1
06972	Zinc	7440-66-6	41.4	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	A140371AA	02/06/2014 22:29	Angela D Sneeringer	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:38	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 15:05	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 20:02	Laura M Krieger	24.7
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:39	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 17:58	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 17:18	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:15	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:15	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:15	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:15	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:15	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-5-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353088
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:55 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2005

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.02
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	0.0012	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	0.0016	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.0013	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0012	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.0014	0.00066	0.0016	1
10725	Pyrene	129-00-0	0.0019	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.88
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	43.3	0.157	1.47	1
06955	Lead	7439-92-1	10.1	0.490	1.47	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-5-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353088
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 08:55 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2005

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	16.7	0.127	0.980	1
06972	Zinc	7440-66-6	26.6	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 04:11	Stephanie A Selis	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:45	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 15:36	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 20:39	Laura M Krieger	24.88
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:46	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 18:20	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 17:40	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:18	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:18	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:18	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:18	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:18	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-10-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353089
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.96
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.96
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0048	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	31	4.2	4.2	105.04
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	50.3	0.158	1.49	1
06955	Lead	7439-92-1	10.5	0.495	1.49	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-10-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353089
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	65.1	0.129	0.990	1
06972	Zinc	7440-66-6	49.1	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 21:19	Chelsea B Stong	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:54	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 16:08	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 04:31	Laura M Krieger	105.04
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:56	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 18:41	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 18:03	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:22	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:22	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:22	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:22	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:22	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-15-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353090
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:05 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2015

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.025	0.25	49.6
10237	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	49.6
10237	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	49.6
10237	Ethylbenzene	100-41-4	N.D.	0.050	0.25	49.6
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	49.6
10237	Toluene	108-88-3	N.D.	0.050	0.25	49.6
10237	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	49.6
	Reporting limits were raised due to interference from the sample matrix.					
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	0.00034	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	0.0011	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0077	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0013	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	380	21	21	520.29
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	23	4.0	12	1
	Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0738	0.485	1
06951	Chromium	7440-47-3	33.3	0.155	1.46	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-15-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353090
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:05 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2015

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	7.80	0.485	1.46	1
06961	Nickel	7440-02-0	36.1	0.126	0.971	1
06972	Zinc	7440-66-6	43.2	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Q140361AA	02/05/2014 21:44	Andrea E Lando	49.6
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 17:02	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 16:39	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 10:49	Laura M Krieger	520.29
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 17:04	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 19:03	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 18:25	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:26	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:26	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:26	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:26	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:26	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-20-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353091
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:10 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	0.017	0.0005	0.005	1.07
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.07
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.07
10237	Ethylbenzene	100-41-4	0.090	0.001	0.005	1.07
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.07
10237	Toluene	108-88-3	0.004	0.001	0.005	1.07
10237	Xylene (Total)	1330-20-7	0.031	0.001	0.005	1.07
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	0.0025	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	0.0016	0.00033	0.0016	1
10725	Anthracene	120-12-7	0.00079	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	0.00072	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	0.0031	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	0.00092	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	0.0037	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	0.0013	0.00066	0.0016	1
10725	Fluorene	86-73-7	0.0037	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.71	0.0066	0.016	10
10725	Phenanthrene	85-01-8	0.0097	0.00066	0.0016	1
10725	Pyrene	129-00-0	0.0016	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	37	3.8	3.8	94.88
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1

TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.

GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	75	4.0	12	1

Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.

Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	141	0.157	1.47	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-20-S-20-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353091
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:10 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	15.4	0.490	1.47	1
06961	Nickel	7440-02-0	79.6	0.127	0.980	1
06972	Zinc	7440-66-6	71.2	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 06:48	Stephanie A Selis	1.07
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 17:23	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 17:11	Mark A Clark	1
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/11/2014 04:16	Mark A Clark	10
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 05:43	Laura M Krieger	94.88
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 17:24	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 19:25	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 18:48	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:29	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:29	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:29	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:29	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:29	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-25-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353092
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:15 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2025

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.97
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.97
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.97
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0015	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.9
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	46.4	0.158	1.49	1
06955	Lead	7439-92-1	10.7	0.495	1.49	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-25-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353092
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:15 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2025

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	53.5	0.129	0.990	1
06972	Zinc	7440-66-6	58.9	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 04:34	Stephanie A Selis	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 17:34	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 17:43	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 21:15	Laura M Krieger	24.9
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 17:35	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 19:46	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 19:10	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:33	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:33	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:33	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:33	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:33	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-30-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353093
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2030

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1
10237	Ethylbenzene	100-41-4	0.001	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0020	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.23
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	34.5	0.158	1.49	1
06955	Lead	7439-92-1	9.05	0.495	1.49	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-30-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353093
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2030

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	59.5	0.129	0.990	1
06972	Zinc	7440-66-6	50.0	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 04:56	Stephanie A Selis	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 17:41	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/08/2014 18:14	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 21:51	Laura M Krieger	25.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 17:41	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 20:29	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 19:32	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:44	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:44	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:44	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:44	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:44	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-35-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353094
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:25 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2035

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0013	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.00077	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.95
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	0.289	0.0731	0.481	1
06951	Chromium	7440-47-3	36.7	0.154	1.44	1
06955	Lead	7439-92-1	5.14	0.481	1.44	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-S-35-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353094
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 09:25 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2035

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	58.0	0.125	0.962	1
06972	Zinc	7440-66-6	50.2	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 15:19	Chelsea B Stong	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 15:38	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/11/2014 03:13	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 22:28	Laura M Krieger	24.95
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 15:39	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 20:51	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 19:55	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140415708002	02/11/2014 08:54	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140415708002	02/11/2014 08:54	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140415708002	02/11/2014 08:54	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140415708002	02/11/2014 08:54	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140435708001	02/13/2014 02:29	Tara L Snyder	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140415708002	02/10/2014 22:26	Annamaria Kuhns	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	2	140435708001	02/12/2014 17:16	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-S-5-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353095
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 12:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00038	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00090	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.23
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0760	0.500	1
06951	Chromium	7440-47-3	39.8	0.160	1.50	1
06955	Lead	7439-92-1	6.14	0.500	1.50	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-S-5-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353095
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 12:30 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	18.9	0.130	1.00	1
06972	Zinc	7440-66-6	24.9	0.200	2.00	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 13:48	Chelsea B Stong	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 15:44	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14037SLA026	02/11/2014 03:44	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14037SLA026	02/07/2014 06:00	Kerrie A Freeburn	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 23:04	Laura M Krieger	25.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 15:44	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 21:12	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 20:17	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140365708002	02/10/2014 14:48	Eric L Eby	1
06951	Chromium	SW-846 6010B	1	140365708002	02/10/2014 14:48	Eric L Eby	1
06955	Lead	SW-846 6010B	1	140365708002	02/10/2014 14:48	Eric L Eby	1
06961	Nickel	SW-846 6010B	1	140365708002	02/10/2014 14:48	Eric L Eby	1
06972	Zinc	SW-846 6010B	1	140365708002	02/10/2014 14:48	Eric L Eby	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140365708002	02/09/2014 18:47	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-S-10-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353096
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 12:55 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.02
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	N.D.	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.33
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	50.2	0.157	1.47	1
06955	Lead	7439-92-1	9.26	0.490	1.47	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-21-S-10-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353096
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 12:55 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	105	0.127	0.980	1
06972	Zinc	7440-66-6	49.3	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 14:11	Chelsea B Stong	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 15:50	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 04:47	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/07/2014 23:40	Laura M Krieger	25.33
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 15:50	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 21:34	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 20:39	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 06:47	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 06:47	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 06:47	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 06:47	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 06:47	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-S-15-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353097
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.01
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0030	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	58	4.1	4.1	103.73
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	43.7	0.158	1.49	1
06955	Lead	7439-92-1	8.03	0.495	1.49	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-21-S-15-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353097
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	57.1	0.129	0.990	1
06972	Zinc	7440-66-6	40.0	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 07:10	Stephanie A Selis	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 16:04	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 15:58	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 06:21	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 06:19	Laura M Krieger	103.73
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 15:59	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 21:56	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 21:02	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 06:51	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 06:51	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 06:51	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 06:51	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 06:51	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-S-20-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353098
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:05 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	0.00038	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0021	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.0010	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	6.4	0.9	0.9	23.02
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	49.3	0.154	1.44	1
06955	Lead	7439-92-1	8.47	0.481	1.44	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-21-S-20-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353098
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:05 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	43.3	0.125	0.962	1
06972	Zinc	7440-66-6	47.4	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 17:58	Chelsea B Stong	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:26	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 06:53	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 00:17	Laura M Krieger	23.02
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:27	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 22:17	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 21:24	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:02	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:02	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:02	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:02	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:02	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-S-25-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353099
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:10 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0011	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.38
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	49.5	0.154	1.44	1
06955	Lead	7439-92-1	10.7	0.481	1.44	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-21-S-25-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353099
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:10 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	68.8	0.125	0.962	1
06972	Zinc	7440-66-6	54.6	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 14:34	Chelsea B Stong	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:52	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:33	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 07:24	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 01:29	Laura M Krieger	25.38
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:34	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 22:39	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 21:47	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:06	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:06	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:06	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:06	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:06	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-S-30-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353100
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:15 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2130

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0037	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00091	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.41
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0760	0.500	1
06951	Chromium	7440-47-3	39.7	0.160	1.50	1
06955	Lead	7439-92-1	9.49	0.500	1.50	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-21-S-30-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353100
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:15 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2130

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	50.9	0.130	1.00	1
06972	Zinc	7440-66-6	52.5	0.200	2.00	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 15:42	Chelsea B Stong	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:53	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 18:53	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:42	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 07:56	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 02:05	Laura M Krieger	25.41
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 18:43	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 23:01	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 22:09	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 06:26	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 06:26	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 06:26	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 06:26	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 06:26	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-S-35-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353101
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2135

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.96
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.96
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0032	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00097	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.53
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	35.9	0.154	1.44	1
06955	Lead	7439-92-1	6.46	0.481	1.44	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-21-S-35-140129 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353101
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/29/2014 13:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2135

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	43.8	0.125	0.962	1
06972	Zinc	7440-66-6	41.1	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 16:04	Chelsea B Stong	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 19:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:01	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 08:27	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 02:42	Laura M Krieger	24.53
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:02	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140360008A	02/06/2014 23:22	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140360007A	02/10/2014 22:31	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140360007A	02/05/2014 19:00	Sally L Appleyard	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140360008A	02/05/2014 19:00	Sally L Appleyard	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:09	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:09	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:09	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:09	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:09	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-5-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353102
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 10:59 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2205

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.95
10237	1,2-Dibromoethane	106-93-4	N.D.	0.0009	0.005	0.95
10237	1,2-Dichloroethane	107-06-2	N.D.	0.0009	0.005	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.95
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.95
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.95
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0024	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.88
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.373	2.45	5
	Reporting limits were raised due to interference from the sample matrix.					
06951	Chromium	7440-47-3	51.7	0.157	1.47	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-22-S-5-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353102
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 10:59 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2205

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	11.0	0.490	1.47	1
06961	Nickel	7440-02-0	26.2	0.127	0.980	1
06972	Zinc	7440-66-6	31.1	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 16:27	Chelsea B Stong	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:13	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 19:13	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:09	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 08:58	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 03:18	Laura M Krieger	24.88
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:10	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 23:49	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	2	140370003A	02/11/2014 11:46	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/11/2014 15:19	Katlin N Cataldi	5
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:13	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:13	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:13	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:13	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-10-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353103
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:25 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0016	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0016	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0016	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0016	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0016	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0016	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0016	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0016	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0016	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0016	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0016	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0016	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0016	1
10725	Naphthalene	91-20-3	0.0038	0.00066	0.0016	1
10725	Phenanthrene	85-01-8	0.0011	0.00066	0.0016	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0016	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.51
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	51.7	0.157	1.47	1
06955	Lead	7439-92-1	10.1	0.490	1.47	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-22-S-10-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353103
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:25 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	66.9	0.127	0.980	1
06972	Zinc	7440-66-6	57.3	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 16:50	Chelsea B Stong	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:29	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 09:29	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14037B31A	02/08/2014 03:54	Laura M Krieger	24.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:31	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 18:50	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 12:08	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:17	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:17	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:17	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:17	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:17	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-15-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353104
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:27 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.04
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.04
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0031	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00073	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	26.1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0760	0.500	1
06951	Chromium	7440-47-3	33.0	0.160	1.50	1
06955	Lead	7439-92-1	7.77	0.500	1.50	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-22-S-15-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353104
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:27 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	40.5	0.130	1.00	1
06972	Zinc	7440-66-6	42.3	0.200	2.00	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 17:12	Chelsea B Stong	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:37	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 10:01	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/07/2014 21:21	Laura M Krieger	26.1
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:37	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 19:12	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 12:31	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:21	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:21	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:21	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:21	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:21	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-20-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353105
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:31 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0017	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.99
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0738	0.485	1
06951	Chromium	7440-47-3	39.4	0.155	1.46	1
06955	Lead	7439-92-1	8.76	0.485	1.46	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-22-S-20-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353105
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:31 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	49.7	0.126	0.971	1
06972	Zinc	7440-66-6	49.2	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 17:35	Chelsea B Stong	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:45	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 10:32	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/07/2014 21:59	Laura M Krieger	25.99
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:45	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 19:33	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 12:53	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:24	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:24	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:24	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:24	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:24	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-25-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353106
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:55 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2225

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.03
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.002	0.0005	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0014	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.3
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0738	0.485	1
06951	Chromium	7440-47-3	44.3	0.155	1.46	1
06955	Lead	7439-92-1	9.39	0.485	1.46	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-25-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353106
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:55 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2225

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	72.7	0.126	0.971	1
06972	Zinc	7440-66-6	45.1	0.194	1.94	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 18:20	Chelsea B Stong	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:53	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 11:03	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/07/2014 22:37	Laura M Krieger	25.3
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 19:54	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 19:54	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 13:18	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:28	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:28	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:28	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:28	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:28	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-30-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353107
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:57 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2230

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0033	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.95
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	38.0	0.157	1.47	1
06955	Lead	7439-92-1	11.5	0.490	1.47	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-30-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353107
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 11:57 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2230

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	52.2	0.127	0.980	1
06972	Zinc	7440-66-6	52.4	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 18:42	Chelsea B Stong	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:03	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14043SLC026	02/13/2014 03:23	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	2	14043SLC026	02/12/2014 17:30	Nicholas W Shroyer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/07/2014 23:15	Laura M Krieger	24.95
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:04	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 20:37	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 13:40	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:32	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:32	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:32	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:32	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:32	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-S-35-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353108
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 12:05 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2235

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0029	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	0.00083	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.59
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	45.1	0.157	1.47	1
06955	Lead	7439-92-1	8.07	0.490	1.47	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-22-S-35-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353108
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 12:05 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2235

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	45.3	0.127	0.980	1
06972	Zinc	7440-66-6	43.5	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 19:05	Chelsea B Stong	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:08	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 12:05	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/07/2014 23:53	Laura M Krieger	25.59
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:09	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 20:58	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 14:03	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:35	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:35	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:35	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:35	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:35	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-5-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353109
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 08:45 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2305

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.04
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.04
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0021	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.13
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0745	0.490	1
06951	Chromium	7440-47-3	45.0	0.157	1.47	1
06955	Lead	7439-92-1	6.69	0.490	1.47	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-5-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353109
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 08:45 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2305

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06961	Nickel	7440-02-0	20.8	0.127	0.980	1
06972	Zinc	7440-66-6	33.3	0.196	1.96	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 19:27	Chelsea B Stong	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:55	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 20:55	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:23	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 20:24	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201403533755	02/04/2014 20:25	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 12:37	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 02:24	Laura M Krieger	25.13
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:26	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 20:26	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201403533755	02/04/2014 20:28	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201403533755	02/04/2014 20:29	Mitchell R Washel	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201403533755	02/04/2014 20:30	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 21:20	Heather E Williams	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-5-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353109
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 08:45 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2305

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	140370003A	02/11/2014 15:10	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:46	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:46	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:46	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:46	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:46	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-10-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353110
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 09:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2310

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.98
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	0.0017	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	26.01
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	49.3	0.158	1.49	1
06955	Lead	7439-92-1	9.10	0.495	1.49	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-23-S-10-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353110
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 09:20 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2310

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	74.6	0.129	0.990	1
06972	Zinc	7440-66-6	54.6	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 20:34	Chelsea B Stong	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:55	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 20:55	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:45	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/11/2014 13:08	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 00:30	Laura M Krieger	26.01
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:46	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 21:41	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 15:32	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:50	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:50	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:50	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:50	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:50	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-15-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353111
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 09:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2315

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.97
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.97
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.97
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.97
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.97
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00068	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.25
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	37.2	0.154	1.44	1
06955	Lead	7439-92-1	7.22	0.481	1.44	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-23-S-15-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353111
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 09:35 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2315

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	47.4	0.125	0.962	1
06972	Zinc	7440-66-6	39.8	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140371AA	02/06/2014 20:57	Chelsea B Stong	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:55	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 20:55	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:52	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/12/2014 03:10	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 01:08	Laura M Krieger	25.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 20:53	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 22:02	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 15:55	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:53	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:53	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:53	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:53	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:53	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-20-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353112
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 09:37 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.0008	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0012	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	36.7	0.158	1.49	1
06955	Lead	7439-92-1	5.88	0.495	1.49	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-23-S-20-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353112
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 09:37 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	31.8	0.129	0.990	1
06972	Zinc	7440-66-6	40.8	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 05:18	Stephanie A Selis	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:01	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/12/2014 03:41	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 01:46	Laura M Krieger	25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:02	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 22:24	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 16:17	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 07:57	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 07:57	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 07:57	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 07:57	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 07:57	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-25-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353113
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 09:50 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2325

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	0.99
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	0.001	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.00082	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	26.18
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0731	0.481	1
06951	Chromium	7440-47-3	47.2	0.154	1.44	1
06955	Lead	7439-92-1	9.81	0.481	1.44	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-23-S-25-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353113
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 09:50 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2325

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	64.1	0.125	0.962	1
06972	Zinc	7440-66-6	53.1	0.192	1.92	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 05:41	Stephanie A Selis	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:06	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/12/2014 04:13	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 04:55	Laura M Krieger	26.18
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:07	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 22:45	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 16:40	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 08:00	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 08:00	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 08:00	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 08:00	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 08:00	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-30-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353114
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 10:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2330

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00067	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00067	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00067	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00067	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00067	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00067	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00067	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00067	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00067	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00067	0.0017	1
10725	Naphthalene	91-20-3	N.D.	0.00067	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00067	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00067	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.64
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0752	0.495	1
06951	Chromium	7440-47-3	49.3	0.158	1.49	1
06955	Lead	7439-92-1	10.9	0.495	1.49	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-30-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353114
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 10:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2330

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	46.9	0.129	0.990	1
06972	Zinc	7440-66-6	65.2	0.198	1.98	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 06:03	Stephanie A Selis	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:16	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/12/2014 04:45	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 05:32	Laura M Krieger	25.64
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:17	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 23:06	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 17:02	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 08:04	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 08:04	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 08:04	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 08:04	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 08:04	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-S-35-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353115
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 10:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2335

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	1.03
10237	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC/MS Semivolatiles	**SW-846 8270C SIM**		**mg/kg**	**mg/kg**	**mg/kg**	
10725	Acenaphthene	83-32-9	N.D.	0.00066	0.0017	1
10725	Acenaphthylene	208-96-8	N.D.	0.00033	0.0017	1
10725	Anthracene	120-12-7	N.D.	0.00033	0.0017	1
10725	Benzo(a)anthracene	56-55-3	N.D.	0.00066	0.0017	1
10725	Benzo(a)pyrene	50-32-8	N.D.	0.00066	0.0017	1
10725	Benzo(b)fluoranthene	205-99-2	N.D.	0.00066	0.0017	1
10725	Benzo(g,h,i)perylene	191-24-2	N.D.	0.00066	0.0017	1
10725	Benzo(k)fluoranthene	207-08-9	N.D.	0.00066	0.0017	1
10725	Chrysene	218-01-9	N.D.	0.00033	0.0017	1
10725	Dibenz(a,h)anthracene	53-70-3	N.D.	0.00066	0.0017	1
10725	Fluoranthene	206-44-0	N.D.	0.00066	0.0017	1
10725	Fluorene	86-73-7	N.D.	0.00066	0.0017	1
10725	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.00066	0.0017	1
10725	Naphthalene	91-20-3	0.0011	0.00066	0.0017	1
10725	Phenanthrene	85-01-8	N.D.	0.00066	0.0017	1
10725	Pyrene	129-00-0	N.D.	0.00066	0.0017	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.1	1.1	26.8
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
02516	Total TPH	n.a.	N.D.	10	30	1
02516	TPH Motor Oil C16-C36	n.a.	N.D.	10	30	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06949	Cadmium	7440-43-9	N.D.	0.0760	0.500	1
06951	Chromium	7440-47-3	61.4	0.160	1.50	1
06955	Lead	7439-92-1	9.25	0.500	1.50	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: B-23-S-35-140130 Grab Soil
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # SW 7353115
LL Group # 1449826
Account # 10880

Project Name: 371572

Collected: 01/30/2014 10:00 by BS

Submitted: 02/01/2014 08:55
Reported: 06/16/2014 11:00

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

E2335

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06961	Nickel	7440-02-0	56.7	0.130	1.00	1
06972	Zinc	7440-66-6	50.7	0.200	2.00	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall 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	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	B140391AA	02/08/2014 06:25	Stephanie A Selis	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201403533755	02/04/2014 21:27	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:22	Mitchell R Washel	n.a.
10725	PAH SIM 8270 Soil Microwave	SW-846 8270C SIM	1	14038SLB026	02/12/2014 05:16	Mark A Clark	1
10811	BNA Soil Microwave SIM	SW-846 3546	1	14038SLB026	02/08/2014 08:00	Katheryne V Sponheimer	1
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14038A16A	02/08/2014 06:10	Laura M Krieger	26.8
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201403533755	02/04/2014 21:24	Mitchell R Washel	n.a.
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	140370004A	02/07/2014 23:28	Heather E Williams	1
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	140370003A	02/11/2014 17:24	Christine E Dolman	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3546	1	140370003A	02/06/2014 16:00	David S Schrum	1
11218	TPH Fuels Soils Extraction	SW-846 3550B	1	140370004A	02/06/2014 16:00	David S Schrum	1
06949	Cadmium	SW-846 6010B	1	140375708001	02/10/2014 08:08	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	140375708001	02/10/2014 08:08	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	140375708001	02/10/2014 08:08	Joanne M Gates	1
06961	Nickel	SW-846 6010B	1	140375708001	02/10/2014 08:08	Joanne M Gates	1
06972	Zinc	SW-846 6010B	1	140375708001	02/10/2014 08:08	Joanne M Gates	1
05708	SW SW846 ICP/ICP MS Digest	SW-846 3050B	1	140375708001	02/09/2014 18:19	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A140362AA	Sample number(s): 7353065-7353066								
Benzene	N.D.	0.0005	0.005	mg/kg	102	99	80-120	3	30
1,2-Dibromoethane	N.D.	0.001	0.005	mg/kg	106	105	80-120	1	30
1,2-Dichloroethane	N.D.	0.001	0.005	mg/kg	103	99	72-126	4	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	108	106	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	97	96	69-126	2	30
Toluene	N.D.	0.001	0.005	mg/kg	107	104	80-120	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	108	107	80-120	2	30
Batch number: A140371AA	Sample number(s): 7353069-7353071,7353075-7353080,7353083-7353085,7353087								
Benzene	N.D.	0.0005	0.005	mg/kg	99	89	80-120	10	30
1,2-Dibromoethane	N.D.	0.001	0.005	mg/kg	104	101	80-120	3	30
1,2-Dichloroethane	N.D.	0.001	0.005	mg/kg	107	105	72-126	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	105	96	80-120	9	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	97	95	69-126	2	30
Toluene	N.D.	0.001	0.005	mg/kg	104	95	80-120	9	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	106	98	80-120	9	30
Batch number: B140371AA	Sample number(s): 7353089,7353094-7353096,7353098-7353111								
Benzene	N.D.	0.0005	0.005	mg/kg	102		80-120		
1,2-Dibromoethane	N.D.	0.001	0.005	mg/kg	103		80-120		
1,2-Dichloroethane	N.D.	0.001	0.005	mg/kg	113		72-126		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	102		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	107		69-126		
Toluene	N.D.	0.001	0.005	mg/kg	103		80-120		
Xylene (Total)	N.D.	0.001	0.005	mg/kg	100		80-120		
Batch number: B140391AA	Sample number(s): 7353086,7353088,7353091-7353093,7353097,7353112-7353115								
Benzene	N.D.	0.0005	0.005	mg/kg	95	104	80-120	9	30
1,2-Dibromoethane	N.D.	0.001	0.005	mg/kg	102	101	80-120	1	30
1,2-Dichloroethane	N.D.	0.001	0.005	mg/kg	116	121	72-126	4	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	99	102	80-120	4	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	107	108	69-126	1	30
Toluene	N.D.	0.001	0.005	mg/kg	98	102	80-120	4	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	98	101	80-120	3	30
Batch number: Q140361AA	Sample number(s): 7353067-7353068,7353072-7353074,7353081-7353082,7353090								
Benzene	N.D.	0.025	0.25	mg/kg	107	104	80-120	3	30
1,2-Dibromoethane	N.D.	0.050	0.25	mg/kg	99	98	80-120	1	30
1,2-Dichloroethane	N.D.	0.050	0.25	mg/kg	103	102	72-126	1	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	93	91	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	106	104	69-126	2	30
Toluene	N.D.	0.050	0.25	mg/kg	96	94	80-120	2	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	93	90	80-120	2	30

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14035SLH026	Sample number(s): 7353065-7353075								
Acenaphthene	N.D.	0.00067	0.0017	mg/kg	106		77-116		
Acenaphthylene	N.D.	0.00033	0.0017	mg/kg	109		78-120		
Anthracene	N.D.	0.00033	0.0017	mg/kg	109		80-116		
Benzo(a)anthracene	N.D.	0.00067	0.0017	mg/kg	105		83-119		
Benzo(a)pyrene	N.D.	0.00067	0.0017	mg/kg	112		80-122		
Benzo(b)fluoranthene	N.D.	0.00067	0.0017	mg/kg	122		82-135		
Benzo(g,h,i)perylene	N.D.	0.00067	0.0017	mg/kg	112		79-121		
Benzo(k)fluoranthene	N.D.	0.00067	0.0017	mg/kg	113		79-123		
Chrysene	N.D.	0.00033	0.0017	mg/kg	104		84-113		
Dibenz(a,h)anthracene	N.D.	0.00067	0.0017	mg/kg	115		78-124		
Fluoranthene	N.D.	0.00067	0.0017	mg/kg	108		85-116		
Fluorene	N.D.	0.00067	0.0017	mg/kg	103		81-126		
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	0.0017	mg/kg	113		77-124		
Naphthalene	N.D.	0.00067	0.0017	mg/kg	103		79-113		
Phenanthrene	N.D.	0.00067	0.0017	mg/kg	109		72-110		
Pyrene	N.D.	0.00067	0.0017	mg/kg	106		79-112		
Batch number: 14037SLA026	Sample number(s): 7353076-7353095								
Acenaphthene	N.D.	0.00067	0.0017	mg/kg	108		77-116		
Acenaphthylene	N.D.	0.00033	0.0017	mg/kg	105		78-120		
Anthracene	N.D.	0.00033	0.0017	mg/kg	99		80-116		
Benzo(a)anthracene	N.D.	0.00067	0.0017	mg/kg	96		83-119		
Benzo(a)pyrene	N.D.	0.00067	0.0017	mg/kg	95		80-122		
Benzo(b)fluoranthene	N.D.	0.00067	0.0017	mg/kg	104		82-135		
Benzo(g,h,i)perylene	N.D.	0.00067	0.0017	mg/kg	102		79-121		
Benzo(k)fluoranthene	N.D.	0.00067	0.0017	mg/kg	98		79-123		
Chrysene	N.D.	0.00033	0.0017	mg/kg	94		84-113		
Dibenz(a,h)anthracene	N.D.	0.00067	0.0017	mg/kg	109		78-124		
Fluoranthene	N.D.	0.00067	0.0017	mg/kg	107		85-116		
Fluorene	N.D.	0.00067	0.0017	mg/kg	108		81-126		
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	0.0017	mg/kg	109		77-124		
Naphthalene	N.D.	0.00067	0.0017	mg/kg	97		79-113		
Phenanthrene	N.D.	0.00067	0.0017	mg/kg	98		72-110		
Pyrene	N.D.	0.00067	0.0017	mg/kg	107		79-112		
Batch number: 14038SLB026	Sample number(s): 7353096-7353106,7353108-7353115								
Acenaphthene	N.D.	0.00067	0.0017	mg/kg	105		84-118		
Acenaphthylene	N.D.	0.00033	0.0017	mg/kg	105		78-120		
Anthracene	N.D.	0.00033	0.0017	mg/kg	96		85-118		
Benzo(a)anthracene	N.D.	0.00067	0.0017	mg/kg	95		83-119		
Benzo(a)pyrene	N.D.	0.00067	0.0017	mg/kg	94		80-122		
Benzo(b)fluoranthene	N.D.	0.00067	0.0017	mg/kg	105		82-135		
Benzo(g,h,i)perylene	N.D.	0.00067	0.0017	mg/kg	102		79-121		
Benzo(k)fluoranthene	N.D.	0.00067	0.0017	mg/kg	91		79-123		
Chrysene	N.D.	0.00033	0.0017	mg/kg	92		84-113		
Dibenz(a,h)anthracene	N.D.	0.00067	0.0017	mg/kg	103		83-123		
Fluoranthene	N.D.	0.00067	0.0017	mg/kg	96		85-116		
Fluorene	N.D.	0.00067	0.0017	mg/kg	106		84-120		
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	0.0017	mg/kg	101		82-123		
Naphthalene	N.D.	0.00067	0.0017	mg/kg	96		79-113		
Phenanthrene	N.D.	0.00067	0.0017	mg/kg	95		72-110		
Pyrene	N.D.	0.00067	0.0017	mg/kg	99		80-119		
Batch number: 14043SLC026	Sample number(s): 7353107								

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acenaphthene	N.D.	0.00067	0.0017	mg/kg	116		84-118		
Acenaphthylene	N.D.	0.00033	0.0017	mg/kg	118		78-120		
Anthracene	N.D.	0.00033	0.0017	mg/kg	98		85-118		
Benzo(a)anthracene	N.D.	0.00067	0.0017	mg/kg	98		83-119		
Benzo(a)pyrene	N.D.	0.00067	0.0017	mg/kg	97		80-122		
Benzo(b)fluoranthene	N.D.	0.00067	0.0017	mg/kg	99		82-135		
Benzo(g,h,i)perylene	N.D.	0.00067	0.0017	mg/kg	105		79-121		
Benzo(k)fluoranthene	N.D.	0.00067	0.0017	mg/kg	100		79-123		
Chrysene	N.D.	0.00033	0.0017	mg/kg	96		84-113		
Dibenz(a,h)anthracene	N.D.	0.00067	0.0017	mg/kg	106		83-123		
Fluoranthene	N.D.	0.00067	0.0017	mg/kg	102		85-116		
Fluorene	N.D.	0.00067	0.0017	mg/kg	119		84-120		
Indeno(1,2,3-cd)pyrene	N.D.	0.00067	0.0017	mg/kg	105		82-123		
Naphthalene	N.D.	0.00067	0.0017	mg/kg	103		79-113		
Phenanthrene	N.D.	0.00067	0.0017	mg/kg	99		72-110		
Pyrene	N.D.	0.00067	0.0017	mg/kg	107		80-119		
Batch number: 14037A31A	Sample number(s): 7353065-7353067,7353069-7353071,7353073-7353080,7353083-7353084								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	101	93	67-119	9	30
Batch number: 14037B31A	Sample number(s): 7353085-7353103								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	93	107	67-119	13	30
Batch number: 14038A16A	Sample number(s): 7353068,7353072,7353081-7353082,7353104-7353115								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	93		67-119		
Batch number: 140340021A	Sample number(s): 7353065-7353084								
Total TPH	N.D.	10.	30	mg/kg	90		59-120		
TPH Motor Oil C16-C36	N.D.	10.	30	mg/kg					
Batch number: 140360008A	Sample number(s): 7353085-7353101								
Total TPH	N.D.	10.	30	mg/kg	94		59-120		
TPH Motor Oil C16-C36	N.D.	10.	30	mg/kg					
Batch number: 140370004A	Sample number(s): 7353102-7353115								
Total TPH	N.D.	10.	30	mg/kg	93		59-120		
TPH Motor Oil C16-C36	N.D.	10.	30	mg/kg					
Batch number: 140340020A	Sample number(s): 7353065-7353084								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	99		59-120		
Batch number: 140360007A	Sample number(s): 7353085-7353101								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	96		59-120		
Batch number: 140370003A	Sample number(s): 7353102-7353115								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	70		59-120		
Batch number: 140355708001	Sample number(s): 7353065-7353066								
Cadmium	N.D.	0.0760	0.500	mg/kg	104		80-120		
Chromium	N.D.	0.160	1.50	mg/kg	102		80-120		
Lead	N.D.	0.500	1.50	mg/kg	110		80-120		
Nickel	N.D.	0.130	1.00	mg/kg	110		80-120		
Zinc	0.219	0.200	2.00	mg/kg	105		80-120		
Batch number: 140355708004	Sample number(s): 7353067-7353075								

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Cadmium	N.D.	0.0760	0.500	mg/kg	104		80-120		
Chromium	N.D.	0.160	1.50	mg/kg	100		80-120		
Lead	N.D.	0.500	1.50	mg/kg	109		80-120		
Nickel	N.D.	0.130	1.00	mg/kg	108		80-120		
Zinc	0.348	0.200	2.00	mg/kg	104		80-120		
Batch number: 140365708002	Sample number(s): 7353076-7353080,7353083-7353084,7353087-7353093,7353095								
Cadmium	N.D.	0.0760	0.500	mg/kg	102		80-120		
Chromium	N.D.	0.160	1.50	mg/kg	99		80-120		
Lead	N.D.	0.500	1.50	mg/kg	103		80-120		
Nickel	N.D.	0.130	1.00	mg/kg	107		80-120		
Zinc	0.402	0.200	2.00	mg/kg	102		80-120		
Batch number: 140375708001	Sample number(s): 7353096-7353115								
Cadmium	N.D.	0.0760	0.500	mg/kg	102		80-120		
Chromium	N.D.	0.160	1.50	mg/kg	102		80-120		
Lead	N.D.	0.500	1.50	mg/kg	105		80-120		
Nickel	N.D.	0.130	1.00	mg/kg	106		80-120		
Zinc	0.214	0.200	2.00	mg/kg	101		80-120		
Batch number: 140415708002	Sample number(s): 7353081-7353082,7353085-7353086,7353094								
Cadmium	N.D.	0.0760	0.500	mg/kg	106		80-120		
Chromium	0.213	0.160	1.50	mg/kg	98		80-120		
Lead	N.D.	0.500	1.50	mg/kg	109		80-120		
Nickel	N.D.	0.130	1.00	mg/kg	110		80-120		
Batch number: 140435708001	Sample number(s): 7353081-7353082,7353085-7353086,7353094								
Zinc	N.D.	0.200	2.00	mg/kg	99		80-120		

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: A140362AA	Sample number(s): 7353065-7353066 UNSPK: P351777								
Benzene	102		55-143						
1,2-Dibromoethane	106		54-129						
1,2-Dichloroethane	117		54-143						
Ethylbenzene	104		44-141						
Methyl Tertiary Butyl Ether	101		55-129						
Toluene	107		50-146						
Xylene (Total)	102		44-136						
Batch number: B140371AA	Sample number(s): 7353089,7353094-7353096,7353098-7353111 UNSPK: 7353109								
Benzene	105	92	55-143	2	30				
1,2-Dibromoethane	100	92	54-129	2	30				
1,2-Dichloroethane	115	110	54-143	6	30				
Ethylbenzene	102	66	44-141	31*	30				
Methyl Tertiary Butyl Ether	100	101	55-129	12	30				
Toluene	106	81	50-146	16	30				
Xylene (Total)	101	65	44-136	33*	30				

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 14035SLH026	Sample number(s): 7353065-7353075 UNSPK: 7353065								
Acenaphthene	104	105	48-127	2	30				
Acenaphthylene	106	108	49-121	2	30				
Anthracene	107	107	52-126	2	30				
Benzo(a)anthracene	102	101	44-143	0	30				
Benzo(a)pyrene	107	108	44-140	2	30				
Benzo(b)fluoranthene	114	110	26-142	3	30				
Benzo(g,h,i)perylene	108	109	33-141	1	30				
Benzo(k)fluoranthene	106	109	54-142	4	30				
Chrysene	99	99	29-148	1	30				
Dibenz(a,h)anthracene	112	114	20-137	3	30				
Fluoranthene	104	106	40-148	2	30				
Fluorene	100	101	51-137	2	30				
Indeno(1,2,3-cd)pyrene	111	112	17-136	2	30				
Naphthalene	100	102	31-148	3	30				
Phenanthrene	104	107	29-142	3	30				
Pyrene	102	101	37-136	0	30				
Batch number: 14037SLA026	Sample number(s): 7353076-7353095 UNSPK: 7353079								
Acenaphthene	118	108	48-127	10	30				
Acenaphthylene	100	95	49-121	7	30				
Anthracene	98	95	52-126	4	30				
Benzo(a)anthracene	99	96	44-143	4	30				
Benzo(a)pyrene	93	91	44-140	4	30				
Benzo(b)fluoranthene	99	98	26-142	2	30				
Benzo(g,h,i)perylene	104	100	33-141	5	30				
Benzo(k)fluoranthene	97	97	54-142	2	30				
Chrysene	95	93	29-148	3	30				
Dibenz(a,h)anthracene	114	109	20-137	6	30				
Fluoranthene	105	104	40-148	3	30				
Fluorene	106	99	51-137	8	30				
Indeno(1,2,3-cd)pyrene	115	110	17-136	6	30				
Naphthalene	102	98	31-148	5	30				
Phenanthrene	98	96	29-142	4	30				
Pyrene	121	117	37-136	5	30				
Batch number: 14038SLB026	Sample number(s): 7353096-7353106,7353108-7353115 UNSPK: 7353096								
Acenaphthene	126	128*	48-127	1	30				
Acenaphthylene	92	99	60-128	7	30				
Anthracene	84	86	52-126	2	30				
Benzo(a)anthracene	85	88	44-143	3	30				
Benzo(a)pyrene	79	83	49-137	4	30				
Benzo(b)fluoranthene	92	96	26-142	4	30				
Benzo(g,h,i)perylene	78	77	33-141	1	30				
Benzo(k)fluoranthene	79	83	49-144	4	30				
Chrysene	82	85	43-141	3	30				
Dibenz(a,h)anthracene	81	81	25-145	1	30				
Fluoranthene	86	88	38-153	2	30				
Fluorene	90	97	57-130	7	30				
Indeno(1,2,3-cd)pyrene	81	81	26-139	1	30				
Naphthalene	100	105	52-136	5	30				

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Phenanthrene	90	92	50-137	1	30				
Pyrene	90	96	37-136	6	30				
Batch number: 14043SLC026	Sample number(s): 7353107 UNSPK: 7353107								
Acenaphthene	120	104	48-127	14	30				
Acenaphthylene	106	105	60-128	1	30				
Anthracene	96	95	52-126	1	30				
Benzo(a)anthracene	96	93	44-143	4	30				
Benzo(a)pyrene	92	90	49-137	3	30				
Benzo(b)fluoranthene	95	98	26-142	4	30				
Benzo(g,h,i)perylene	102	83	33-141	21	30				
Benzo(k)fluoranthene	98	99	49-144	1	30				
Chrysene	95	92	43-141	4	30				
Dibenz(a,h)anthracene	105	78	25-145	29	30				
Fluoranthene	97	99	38-153	2	30				
Fluorene	106	105	57-130	1	30				
Indeno(1,2,3-cd)pyrene	104	82	26-139	24	30				
Naphthalene	96	94	52-136	2	30				
Phenanthrene	96	96	50-137	0	30				
Pyrene	111	108	37-136	3	30				
Batch number: 14038A16A	Sample number(s): 7353068,7353072,7353081-7353082,7353104-7353115 UNSPK: 7353109								
TPH-GRO N. CA soil C6-C12	90	90	39-118	4	30				
Batch number: 140340021A	Sample number(s): 7353065-7353084 UNSPK: 7353065 BKG: 7353065								
Total TPH	81		31-131			N.D.	N.D.	0 (1)	20
TPH Motor Oil C16-C36						N.D.	N.D.	0 (1)	20
Batch number: 140360008A	Sample number(s): 7353085-7353101 UNSPK: 7353085 BKG: 7353085								
Total TPH	89		31-131			N.D.	N.D.	0 (1)	20
TPH Motor Oil C16-C36						N.D.	N.D.	0 (1)	20
Batch number: 140370004A	Sample number(s): 7353102-7353115 UNSPK: 7353102 BKG: 7353102								
Total TPH	96		31-131			N.D.	N.D.	0 (1)	20
TPH Motor Oil C16-C36						N.D.	N.D.	0 (1)	20
Batch number: 140340020A	Sample number(s): 7353065-7353084 UNSPK: 7353065 BKG: 7353065								
TPH-DRO soil C10-C28 w/Si Gel	93		30-159			N.D.	N.D.	0 (1)	20
Batch number: 140360007A	Sample number(s): 7353085-7353101 UNSPK: 7353085 BKG: 7353085								
TPH-DRO soil C10-C28 w/Si Gel	85		30-159			N.D.	N.D.	0 (1)	20
Batch number: 140370003A	Sample number(s): 7353102-7353115 UNSPK: 7353102 BKG: 7353102								
TPH-DRO soil C10-C28 w/Si Gel	74		30-159			N.D.	N.D.	0 (1)	20
Batch number: 140355708001	Sample number(s): 7353065-7353066 UNSPK: P352330 BKG: P352330								
Cadmium	97	96	75-125	0	20	N.D.	N.D.	0 (1)	20
Chromium	121	84	75-125	15	20	28.8	42.8	39*	20
Lead	158*	207*	75-125	11	20	39.0	55.7	35*	20
Nickel	103	99	75-125	3	20	7.40	6.73	9	20
Zinc	91	92	75-125	1	20	38.2	26.4	36*	20

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 140355708004	Sample number(s): 7353067-7353075 UNSPK: P351770 BKG: P351770								
Cadmium	94	93	75-125	0	20	0.329	0.344	4 (1)	20
Chromium	127*	112	75-125	6	20	22.0	24.2	9	20
Lead	110	93	75-125	10	20	10.2	11.3	11	20
Nickel	96	95	75-125	1	20	8.79	9.25	5	20
Zinc	114	109	75-125	3	20	39.4	42.1	7	20
Batch number: 140365708002	Sample number(s): 7353076-7353080,7353083-7353084,7353087-7353093,7353095 UNSPK: 7353080 BKG: 7353080								
Cadmium	90	89	75-125	1	20	N.D.	N.D.	0 (1)	20
Chromium	158*	141*	75-125	4	20	51.0	49.6	3	20
Lead	90	92	75-125	1	20	10.0	8.96	11	20
Nickel	91	98	75-125	2	20	88.3	82.9	6	20
Zinc	102	98	75-125	2	20	46.2	46.5	1	20
Batch number: 140375708001	Sample number(s): 7353096-7353115 UNSPK: 7353100 BKG: 7353100								
Cadmium	88	89	75-125	1	20	N.D.	N.D.	0 (1)	20
Chromium	162*	152*	75-125	3	20	39.7	34.9	13	20
Lead	83	80	75-125	2	20	9.49	9.27	2	20
Nickel	91	88	75-125	2	20	50.9	46.6	9	20
Zinc	92	93	75-125	0	20	52.5	51.0	3	20
Batch number: 140415708002	Sample number(s): 7353081-7353082,7353085-7353086,7353094 UNSPK: P335556 BKG: P335556								
Cadmium	101	102	75-125	1	20	0.345	0.326	6 (1)	20
Chromium	107	135*	75-125	14	20	16.0	18.3	13	20
Lead	-52 (2)	110 (2)	75-125	26*	20	88.1	96.5	9	20
Nickel	107	113	75-125	6	20	3.77	5.47	37* (1)	20
Batch number: 140435708001	Sample number(s): 7353081-7353082,7353085-7353086,7353094 UNSPK: P358215 BKG: P358215								
Zinc	105	101	75-125	2	20	52.6	49.4	6	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: 8260 Ext. Soil Master w/GRO
Batch number: A140362AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7353065	107	99	99	91
7353066	104	100	97	97
Blank	101	104	98	95
LCS	100	101	102	99
LCSD	100	101	102	98
MS	105	104	102	102

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Surrogate Quality Control

Limits: 50-141 54-135 52-141 50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: A140371AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7353069	104	97	98	99
7353070	109	97	97	92
7353071	108	102	94	99
7353075	108	105	97	95
7353076	109	101	99	93
7353077	109	101	96	92
7353078	110	103	98	92
7353079	110	105	97	94
7353080	105	99	98	100
7353083	103	101	98	98
7353084	109	106	96	93
7353085	108	97	97	92
7353087	110	103	98	95
Blank	106	104	98	93
LCS	103	105	102	101
LCSD	103	102	101	99
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: B140371AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7353089	105	101	129	102
7353094	103	97	101	99
7353095	105	105	100	101
7353096	105	104	99	99
7353098	104	99	101	108
7353099	106	105	102	101
7353100	105	103	97	98
7353101	104	100	99	97
7353102	107	105	96	99
7353103	106	105	99	100
7353104	105	101	101	99
7353105	106	105	100	102
7353106	104	99	99	99
7353107	106	105	99	100
7353108	102	97	101	98
7353109	105	104	99	99
7353110	104	99	100	98
7353111	103	96	101	98
Blank	104	100	99	99
LCS	105	103	100	101
MS	105	100	102	101
MSD	105	104	102	100
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: B140391AA

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7353086	111	113	97	102
7353088	109	105	100	103
7353091	106	100	95	107
7353092	109	104	97	102
7353093	109	105	98	102
7353097	108	102	111	104
7353112	106	101	101	104
7353113	111	104	99	103
7353114	107	96	97	98
7353115	110	103	101	101
Blank	107	103	99	97
LCS	108	103	103	104
LCSD	109	105	99	101
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: Q140361AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7353067	81	84	78	90
7353068	88	90	90	90
7353072	87	87	92	106
7353073	86	88	81	85
7353074	89	90	82	83
7353081	85	85	85	87
7353082	84	87	79	80
7353090	86	89	82	85
Blank	100	102	90	89
LCS	103	105	92	92
LCSD	102	102	90	90
Limits:	50-141	54-135	52-141	50-131

Analysis Name: SIM SVOA (microwave)
Batch number: 14035SLH026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7353065	81	82	87
7353066	80	84	87
7353067	84	87	94
7353068	84	87	96
7353069	83	84	88
7353070	86	86	91
7353071	80	88	90
7353072	84	88	93
7353073	85	88	90
7353074	80	83	90
7353075	83	85	88
Blank	83	87	91
LCS	83	86	89
MS	82	84	87
MSD	82	84	89

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Surrogate Quality Control

Limits: 54-129 59-125 61-125

Analysis Name: SIM SVOA (microwave)
Batch number: 14037SLA026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7353076	87	78	97
7353077	92	83	101
7353078	87	82	99
7353079	87	83	100
7353080	86	84	99
7353081	92	83	95
7353082	87	82	98
7353083	90	85	102
7353084	86	85	101
7353085	92	87	106
7353086	88	83	101
7353087	85	82	99
7353088	83	82	97
7353089	85	77	99
7353090	88	84	102
7353091	95	87	81
7353092	92	86	104
7353093	86	81	101
7353094	80	82	92
7353095	86	86	104
Blank	91	87	102
LCS	89	84	101
MS	91	86	103
MSD	93	87	101

Limits: 54-129 59-125 61-125

Analysis Name: SIM SVOA (microwave)
Batch number: 14038SLB026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7353096	77	77	90
7353097	76	79	92
7353098	77	78	95
7353099	79	80	96
7353100	75	75	96
7353101	81	80	97
7353102	77	79	92
7353103	73	65	91
7353104	81	80	96
7353105	76	77	92
7353106	78	77	94
7353108	81	80	98
7353109	77	78	96
7353110	78	78	93
7353111	78	77	94
7353112	79	78	95

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Surrogate Quality Control

7353113	77	75	93
7353114	77	74	95
7353115	79	75	98
Blank	82	82	99
LCS	81	84	98
MS	74	73	93
MSD	74	76	100
Limits:	59-115	61-118	70-127

Analysis Name: SIM SVOA (microwave)
Batch number: 14043SLC026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7353107	82	79	97
Blank	85	87	101
LCS	84	86	100
MS	85	84	101
MSD	87	83	99
Limits:	59-115	61-118	70-127

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 14037A31A

	Trifluorotoluene-F
7353065	79
7353066	83
7353067	91
7353069	74
7353070	82
7353071	68
7353073	115
7353074	106
7353075	81
7353076	76
7353077	81
7353078	76
7353079	77
7353080	80
7353083	77
7353084	75
Blank	100
LCS	94
LCSD	84
Limits:	50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 14037B31A

	Trifluorotoluene-F
7353085	81
7353086	70
7353087	76

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Surrogate Quality Control

7353088	76
7353089	89
7353090	115
7353091	97
7353092	78
7353093	71
7353094	79
7353095	77
7353096	79
7353097	86
7353098	78
7353099	73
7353100	72
7353101	84
7353102	73
7353103	74
Blank	85
LCS	83
LCSD	94

Limits: 50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 14038A16A

Trifluorotoluene-F

7353068	153*
7353072	99
7353081	173*
7353082	136
7353104	81
7353105	79
7353106	80
7353107	84
7353108	87
7353109	78
7353110	84
7353111	76
7353112	82
7353113	81
7353114	82
7353115	86
Blank	102
LCS	88
MS	84
MSD	81

Limits: 50-142

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 140340020A

Orthoterphenyl

7353065	73
7353066	86
7353067	80

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Surrogate Quality Control

7353068	88
7353069	87
7353070	90
7353071	87
7353072	95
7353073	74
7353074	80
7353075	85
7353076	77
7353077	91
7353078	77
7353079	89
7353080	96
7353081	80
7353082	90
7353083	82
7353084	64
Blank	83
DUP	85
LCS	97
MS	92
Limits:	52-136

Analysis Name: TPH Fuels by GC (Soils)
Batch number: 140340021A

	Chlorobenzene	Orthoterphenyl
7353065	94	75
7353066	95	86
7353067	109	75
7353068	110	91
7353069	93	80
7353070	98	92
7353071	92	80
7353072	114	82
7353073	112	79
7353074	103	84
7353075	96	86
7353076	97	77
7353077	98	89
7353078	87	72
7353079	103	90
7353080	103	88
7353081	135*	77
7353082	114	86
7353083	99	85
7353084	82	59
Blank	96	92
DUP	95	80
LCS	99	93
MS	96	83
Limits:	46-131	51-127

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Surrogate Quality Control

Batch number: 140360007A

	Orthoterphenyl
7353085	89
7353086	93
7353087	103
7353088	86
7353089	67
7353090	89
7353091	105
7353092	86
7353093	90
7353094	96
7353095	94
7353096	104
7353097	99
7353098	91
7353099	77
7353100	78
7353101	92
Blank	102
DUP	95
LCS	100
MS	91
Limits:	52-136

Analysis Name: TPH Fuels by GC (Soils)
Batch number: 140360008A

	Chlorobenzene	Orthoterphenyl
7353085	97	91
7353086	101	92
7353087	101	96
7353088	96	89
7353089	89	88
7353090	123	88
7353091	146*	104
7353092	107	99
7353093	96	88
7353094	95	89
7353095	100	96
7353096	98	93
7353097	103	93
7353098	100	94
7353099	95	85
7353100	90	85
7353101	96	89
Blank	103	99
DUP	98	93
LCS	86	99
MS	101	92
Limits:	46-131	51-127

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449826
Reported: 06/16/14 at 11:00 AM

Surrogate Quality Control

Batch number: 140370003A

	Orthoterphenyl
7353102	74
7353103	74
7353104	82
7353105	72
7353106	81
7353107	85
7353108	75
7353109	70
7353110	72
7353111	73
7353112	70
7353113	72
7353114	75
7353115	70
Blank	83
DUP	71
LCS	76
MS	83
Limits:	52-136

Analysis Name: TPH Fuels by GC (Soils)
Batch number: 140370004A

	Chlorobenzene	Orthoterphenyl
7353102	95	94
7353103	96	92
7353104	98	94
7353105	95	91
7353106	93	89
7353107	98	95
7353108	94	90
7353109	96	91
7353110	94	91
7353111	92	85
7353112	97	94
7353113	104	101
7353114	97	93
7353115	95	92
Blank	103	100
DUP	96	95
LCS	102	98
MS	119	104
Limits:	46-131	51-127

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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

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2 of 5

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 735306S-115 SCR#:

253239

C# 1449826

Facility #: Chevron 371572
Site Address: 3645 San Pablo Ave. Emeryville, CA
Chevron PM: Carol Macleod Lead Consultant: CRA
Consultant/Office: 10969 Trade Center Dr. Ste 107 Rancho Cordova, CA 95670
Consultant Prj. Mgr.: Brian Silva
Consultant Phone #: 916-889-8908 Fax #: 916 889-8999
Sampler: Bryan Sandor
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☑ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	Metals * 6010/6020	TPHmo 8015	16 PAH 8270 SIM	Chlorinated Solvents 8260B**
B-17-5	S			2014-1-28	1000		X		1	X	X	X				X	X	X	X
B-17-10	S			2014-1-28	1020		X		1	X	X	X				X	X	X	X
B-17-15	S			2014-1-28	1024		X		1	X	X	X				X	X	X	X
B-17-20	S			2014-1-28	1030		X		1	X	X	X				X	X	X	X
B-17-25	S			2014-1-28	1035		X		1	X	X	X				X	X	X	X
B-17-30	S			2014-1-28	1110		X		1	X	X	X				X	X	X	X
B-18-5	S			2014-1-28	1200		X		1	X	X	X				X	X	X	X
B-18-10	S			2014-1-28	1320		X		1	X	X	X				X	X	X	X
B-18-15	S			2014-1-28	1330		X		1	X	X	X				X	X	X	X
B-18-20	S			2014-1-28	1335		X		1	X	X	X				X	X	X	X
B-18-25	S			2014-1-28	1340		X		1	X	X	X				X	X	X	X
B-18-30	S			2014-1-28	1350		X		1	X	X	X				X	X	X	X
B-18-35	S			2014-1-28	1500		X		1	X	X	X				X	X	X	X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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
* cadmium chromium nickel lead zinc
** Chlorinated Solvents 8260 B/C for EDB and EDC

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

		Date	Time		Date	Time
Relinquished by:	Bryan Sandor	1/31/14	1500	Received by:		
Relinquished by:				Received by:		
Relinquished by:				Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other				Received by:	2/1/14	0895
Temperature Upon Receipt 0.5-3.° C°				Custody Seals Intact? (Yes) No		

Chevron California Region Analysis Request/Chain of Custody

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3 of 5

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 733030065-115 SCR#:

253241

G# 1449826

Analyses Requested

Preservation Codes

Facility #: Chevron 371572
Site Address: 3645 San Pablo Ave Emeryville, CA
Chevron PM: Caryl Macleod Lead Consultant: CRA
Consultant/Office: 10969 Trade Center Dr. Ste 107 Rancho Cordova, CA
Consultant Prj. Mgr.: Brian Silver
Consultant Phone #: 916 859 8908 Fax #: 916 859 8909
Sampler: Bryan Sandor
Service Order #: ☐ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + ~~MTBE~~ 8260 ☐ 8021 ☑	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	Metals* 6010/6020	TPHmo 8015	16 PAH 8270 SIM	Chlorinated Solvents 8260 B/C**
B-18-40	S			2014-1-28	1510		X		1	X	X	X				X	X	X	X
B-19-5	S			2014-1-29	830		X		1	X	X	X				X	X	X	X
B-19-10	S			2014-1-29	835		X		1	X	X	X				X	X	X	X
B-19-15	S			2014-1-29	840		X		1	X	X	X				X	X	X	X
B-19-20	S			2014-1-29	845		X		1	X	X	X				X	X	X	X
B-19-25	S			2014-1-29	850		X		1	X	X	X				X	X	X	X
B-19-30	S			2014-1-29	855		X		1	X	X	X				X	X	X	X
B-19-35	S			2014-1-29	900		X		1	X	X	X				X	X	X	X
B-19-40	S			2014-1-29	930		X		1	X	X	X				X	X	X	X
B-19-43	S			2014-1-29	935		X		1	X	X	X				X	X	X	X
B-20-5	S			2014-1-29	855		X		1	X	X	X				X	X	X	X
B-20-10	S			2014-1-29	900		X		1	X	X	X				X	X	X	X
B-20-15	S			2014-1-29	905		X		1	X	X	X				X	X	X	X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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
* cadmium chromium nickel lead zinc
** chlorinated Solvents 8260 B/C for EDB and EDC

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:	Date	Time	Received by:	Date	Time
Bryan Sandor	1/31/14	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date 2/1/14	Time 0855
Temperature Upon Receipt 0.5-3.° C°			Custody Seals Intact? Yes No		

Chevron California Region Analysis Request/Chain of Custody

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4 of 5

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 7353065-115 SCR#:

253242

C# 1449826

Facility #: Chevron 371522
Site Address: 3645 San Pablo Ave Emeryville, CA
Chevron PM: Carryl Macleod Lead Consultant: CRA
Consultant/Office: 10969 Trade Center Dr. St. 107 Rancho Cordova, CA
Consultant Prj. Mgr.: Bryan Silva
Consultant Phone #: 916 889 8903 Fax #: 916 889 8999
Sampler: Bryan Sandor
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + ~~MTBE~~ 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	Metals 6010/6020	TPHmo 8015	16 PAH 8270 SIM	Chlorinated Solvents 8260 B/C**
B-20-20	S			2014-1-29	910		X		1	X	X	X				X	X	X	X
B-20-25	S			2014-1-29	915		X		1	X	X	X				X	X	X	X
B-20-30	S			2014-1-29	920		X		1	X	X	X				X	X	X	X
B-20-35	S			2014-1-29	925		X		1	X	X	X				X	X	X	X
B-21-5	S			2014-1-29	1230		X		1	X	X	X				X	X	X	X
B-21-10	S			2014-1-29	1255		X		1	X	X	X				X	X	X	X
B-21-15	S			2014-1-29	1300		X		1	X	X	X				X	X	X	X
B-21-20	S			2014-1-29	1305		X		1	X	X	X				X	X	X	X
B-~~22~~21-25	S			2014-1-29	1310		X		1	X	X	X				X	X	X	X
B-21-30	S			2014-1-29	1315		X		1	X	X	X				X	X	X	X
B-21-35	S			2014-1-29	1320		X		1	X	X	X				X	X	X	X
B-22-5	S			2014-1-30	1059		X		1	X	X	X				X	X	X	X
B-22-10	S			2014-1-30	1125		X		1	X	X	X				X	X	X	X

Comments / Remarks
* cadmium chromium nickel lead zinc
* * chlorinated Solvents 8260 B/C for EDB and EDC

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:	Date	Time	Received by:	Date	Time
Bryan Sandor	1/31/14	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date 2/1/14	Time 0855
Temperature Upon Receipt 0.5-3.0 C°			Custody Seals Intact? Yes No		

Chevron California Region Analysis Request/Chain of Custody

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5 of 5

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 73530165-115 SCR#:

253243

C# 1449826

Facility #: Chevron 371572
Site Address: 3645 San Pablo Ave. Emeryville, CA
Chevron PM: Carryl Macleod Lead Consultant: CRA
Consultant/Office: 1051 Terra Center Dr Ste. 107 Rancho Cordova, CA
Consultant Prj. Mgr.: Bryan Silva
Consultant Phone #: 916 889 8908 Fax #: 916 889-8999
Sampler: Bryan Sandar
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐	Metals * 6010/6020	TPHmo 8015	16 PAH 8270 sim	Chlorinated Solvents 8260B/C **
B-22-15	S			2014-1-30	1127		X		1	X	X	X				X	X	X	X
B-22-20	S			2014-1-30	1131		X		1	X	X	X				X	X	X	X
B-22-25	S			2014-1-30	1155		X		1	X	X	X				X	X	X	X
B-22-30	S			2014-1-30	1157		X		1	X	X	X				X	X	X	X
B-22-35	S			2014-1-30	1205		X		1	X	X	X				X	X	X	X
B-23-5	S			2014-1-30	845		X		1	X	X	X				X	X	X	X
B-23-10	S			2014-1-30	920		X		1	X	X	X				X	X	X	X
B-23-15	S			2014-1-30	935		X		1	X	X	X				X	X	X	X
B-23-20	S			2014-1-30	937		X		1	X	X	X				X	X	X	X
B-23-25	S			2014-1-30	950		X		1	X	X	X				X	X	X	X
B-23-30	S			2014-1-30	1000		X		1	X	X	X				X	X	X	X
B-23-35	S			2014-1-30	1000		X		1	X	X	X				X	X	X	X

Comments / Remarks
* cadmium chromium nickel lead zinc
** chlorinated Solvents 8260 B/C for EDB and EDC

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:	Date	Time	Received by:	Date	Time
Bryan Sandar	1/31/14	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date 2/1/14	Time 0855
Temperature Upon Receipt 0.5-3.0 C°			Custody Seals Intact? Yes No		

acct#10880 Cp#1449826 Sample#7353065-115

062056-Sampling Plan

Soil Chemical Analyses

Select soil samples will be analyzed per the SWRCB's September 2012 *Leaking Underground Fuel Tank Guidance (LUFT) Manual* to characterize petroleum hydrocarbons (gasoline, diesel, and motor oil) in soil:

- Total petroleum hydrocarbons as diesel (TPHd) by Environmental Protection Agency (EPA) Method 8015B modified with silica gel clean up
- Total Petroleum hydrocarbons as Motor Oil (TPHmo)
- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B modified
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) by EPA Method 8260B
- 16 priority pollutant polycyclic aromatic hydrocarbon (PAHs) by EPA Method 8270 SIM: 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, benzo(g,h,i)perylene
- Chlorinated solvents by EPA Method 8260B/C for 1,2-dibromoethane (EDB) and 1,2-dichloroethane (EDC)
- Metals: cadmium chromium, nickel, lead and zinc by EPA 6010/6020

Groundwater Chemical Analyses

Grab-groundwater samples will be analyzed per the SWRCB's September 2012 Leaking Underground Fuel Tank Guidance Manual to characterize petroleum hydrocarbons (gasoline, diesel, and motor oil) in groundwater:

- TPHd by EPA Method 8015B modified with silica gel clean up
- Total Petroleum hydrocarbons as Motor Oil (TPHmo)
- TPHg by EPA Method 8015B modified
- BTEX by EPA Method 8260B
- 16 priority pollutant polycyclic aromatic hydrocarbon (PAHs) by EPA Method 8270 SIM: 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, benzo(g,h,i)perylene
- Chlorinated Solvents by EPA Method 8260B/C for 1,2-dibromoethane (EDB) and 1,2-dichloroethane (EDC)

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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 - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> 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.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC 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.

REVISED

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

May 28, 2014

Project: 371572

Submittal Date: 02/01/2014
Group Number: 1449830
PO Number: 0015141332
Release Number: HOPKINS/CMACLEO
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
B-17-W-140128 Grab Water	7353161
B-18-W-140128 Grab Water	7353162
B-19-W-140129 Grab Water	7353163
B-20-W-140129 Grab Water	7353164
B-21-W-140129 Grab Water	7353165
B-22-W-140130 Grab Water	7353166
B-23-W-140130 Grab Water	7353167
QA-T-140128 NA Water	7353168

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

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Brian Silva
ELECTRONIC COPY TO	CRA	Attn: Bryan Sandor

REVISED

Respectfully Submitted,

Natalie R. Luciano
Senior Specialist

(717) 556-7258

REVISED

Sample Description: **B-17-W-140128 Grab Water**
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353161
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10943	1,2-Dichloroethane	107-06-2	0.5	0.5	1	1
10943	Ethylbenzene	100-41-4	1	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	0.8	0.5	1	1
10943	Toluene	108-88-3	0.9	0.5	1	1
10943	Xylene (Total)	1330-20-7	1	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.011	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	0.017	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	0.20	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,900	50	100	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
02500	Total TPH	n.a.	N.D.	200	600	1
02500	TPH Motor Oil C16-C36	n.a.	N.D.	200	600	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Reporting limits were raised due to interference from the sample matrix.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	240	160	500	1
	The reverse surrogate, capric acid, is present at <1%.					

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-17-W-140128 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353161
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB17

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Z140362AA	02/05/2014 21:44	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z140362AA	02/05/2014 21:44	Daniel H Heller	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14034WAA026	02/05/2014 03:52	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	14034WAA026	02/04/2014 02:30	Sherry L Morrow	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14034A20A	02/03/2014 16:46	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14034A20A	02/03/2014 16:46	Marie D Beamenderfer	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	140340006A	02/04/2014 17:34	Heather E Williams	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	140340007A	02/10/2014 22:53	Christine E Dolman	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	140340007A	02/04/2014 04:15	Sherry L Morrow	1
11191	TPH Fuels Waters Extraction	SW-846 3510C	1	140340006A	02/04/2014 04:15	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **B-18-W-140128 Grab Water**
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353162
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10943	1,2-Dichloroethane	107-06-2	4	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.10	0.50	1
08357	Acenaphthylene	208-96-8	N.D.	0.10	0.50	1
08357	Anthracene	120-12-7	N.D.	0.10	0.50	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.10	0.50	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.10	0.50	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.10	0.50	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.10	0.50	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.10	0.50	1
08357	Chrysene	218-01-9	N.D.	0.10	0.50	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.10	0.50	1
08357	Fluoranthene	206-44-0	N.D.	0.10	0.50	1
08357	Fluorene	86-73-7	N.D.	0.10	0.50	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.10	0.50	1
08357	Naphthalene	91-20-3	0.33	0.30	0.50	1
08357	Phenanthrene	85-01-8	N.D.	0.30	0.50	1
08357	Pyrene	129-00-0	N.D.	0.10	0.50	1
	Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	84	50	100	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Z140362AA	02/05/2014 22:08	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z140362AA	02/05/2014 22:08	Daniel H Heller	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14034WAA026	02/05/2014 04:20	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	14034WAA026	02/04/2014 02:30	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-18-W-140128 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353162
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/28/2014 13:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14034A20A	02/03/2014 17:08	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14034A20A	02/03/2014 17:08	Marie D Beamenderfer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **B-19-W-140129 Grab Water**
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353163
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/29/2014 14:00 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	31	0.5	1	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10943	1,2-Dichloroethane	107-06-2	4	0.5	1	1
10943	Ethylbenzene	100-41-4	46	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	6	0.5	1	1
10943	Xylene (Total)	1330-20-7	19	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.10	0.50	1
08357	Acenaphthylene	208-96-8	N.D.	0.10	0.50	1
08357	Anthracene	120-12-7	N.D.	0.10	0.50	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.10	0.50	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.10	0.50	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.10	0.50	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.10	0.50	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.10	0.50	1
08357	Chrysene	218-01-9	N.D.	0.10	0.50	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.10	0.50	1
08357	Fluoranthene	206-44-0	N.D.	0.10	0.50	1
08357	Fluorene	86-73-7	N.D.	0.10	0.50	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.10	0.50	1
08357	Naphthalene	91-20-3	2.7	0.30	0.50	1
08357	Phenanthrene	85-01-8	N.D.	0.30	0.50	1
08357	Pyrene	129-00-0	N.D.	0.10	0.50	1
	Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,800	50	100	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	320	50	130	1
	The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-19-W-140129 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353163
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/29/2014 14:00 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB19

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Z140362AA	02/05/2014 22:32	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z140362AA	02/05/2014 22:32	Daniel H Heller	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14034WAA026	02/05/2014 04:48	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	14034WAA026	02/04/2014 02:30	Sherry L Morrow	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14035B20A	02/06/2014 00:37	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14035B20A	02/06/2014 00:37	Marie D Beamenderfer	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	140350010A	02/06/2014 10:56	Christine E Dolman	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	140350010A	02/04/2014 21:10	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-W-140129 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353164
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/29/2014 14:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	0.18	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	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.					
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
02500	Total TPH	n.a.	N.D.	400	1,200	1
02500	TPH Motor Oil C16-C36	n.a.	N.D.	400	1,200	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Reporting limits were raised due to interference from the sample matrix.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	470	320	1,000	1
	The reverse surrogate, capric acid, is present at <1%.					

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-20-W-140129 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353164
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/29/2014 14:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB20

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	Z140362AA	02/05/2014 22:56	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z140362AA	02/05/2014 22:56	Daniel H Heller	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14034WAA026	02/05/2014 05:16	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	14034WAA026	02/04/2014 02:30	Sherry L Morrow	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14035B20A	02/05/2014 23:31	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14035B20A	02/05/2014 23:31	Marie D Beamenderfer	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	140340006A	02/04/2014 17:55	Heather E Williams	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	140340007A	02/10/2014 23:15	Christine E Dolman	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	140340007A	02/04/2014 04:15	Sherry L Morrow	1
11191	TPH Fuels Waters Extraction	SW-846 3510C	1	140340006A	02/04/2014 04:15	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **B-21-W-140129 Grab Water**
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353165
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/29/2014 15:00 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.10	0.50	1
08357	Acenaphthylene	208-96-8	N.D.	0.10	0.50	1
08357	Anthracene	120-12-7	N.D.	0.10	0.50	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.10	0.50	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.10	0.50	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.10	0.50	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.10	0.50	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.10	0.50	1
08357	Chrysene	218-01-9	N.D.	0.10	0.50	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.10	0.50	1
08357	Fluoranthene	206-44-0	N.D.	0.10	0.50	1
08357	Fluorene	86-73-7	N.D.	0.10	0.50	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.10	0.50	1
08357	Naphthalene	91-20-3	N.D.	0.30	0.50	1
08357	Phenanthrene	85-01-8	N.D.	0.30	0.50	1
08357	Pyrene	129-00-0	N.D.	0.10	0.50	1
	Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
02500	Total TPH	n.a.	740	400	1,200	1
02500	TPH Motor Oil C16-C36	n.a.	740	400	1,200	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Reporting limits were raised due to interference from the sample matrix.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	350	320	1,000	1
	The reverse surrogate, capric acid, is present at <1%.					

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-21-W-140129 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353165
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/29/2014 15:00 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB21

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	F140362AA	02/05/2014 15:30	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F140362AA	02/05/2014 15:30	Anita M Dale	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14034WAA026	02/05/2014 05:43	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	14034WAA026	02/04/2014 02:30	Sherry L Morrow	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14035B20A	02/05/2014 23:53	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14035B20A	02/05/2014 23:53	Marie D Beamenderfer	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	140340006A	02/04/2014 18:17	Heather E Williams	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	140340007A	02/10/2014 23:38	Christine E Dolman	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	140340007A	02/04/2014 04:15	Sherry L Morrow	1
11191	TPH Fuels Waters Extraction	SW-846 3510C	1	140340006A	02/04/2014 04:15	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-W-140130 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353166
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/30/2014 14:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	0.7	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.10	0.50	1
08357	Acenaphthylene	208-96-8	N.D.	0.10	0.50	1
08357	Anthracene	120-12-7	N.D.	0.10	0.50	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.10	0.50	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.10	0.50	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.10	0.50	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.10	0.50	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.10	0.50	1
08357	Chrysene	218-01-9	N.D.	0.10	0.50	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.10	0.50	1
08357	Fluoranthene	206-44-0	N.D.	0.10	0.50	1
08357	Fluorene	86-73-7	N.D.	0.10	0.50	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.10	0.50	1
08357	Naphthalene	91-20-3	N.D.	0.30	0.50	1
08357	Phenanthrene	85-01-8	N.D.	0.30	0.50	1
08357	Pyrene	129-00-0	N.D.	0.10	0.50	1
	Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
02500	Total TPH	n.a.	N.D.	400	1,200	1
02500	TPH Motor Oil C16-C36	n.a.	N.D.	400	1,200	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Reporting limits were raised due to interference from the sample matrix.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	N.D.	320	1,000	1
	The reverse surrogate, capric acid, is present at <1%. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-22-W-140130 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353166
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/30/2014 14:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB22

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	F140362AA	02/05/2014 15:52	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F140362AA	02/05/2014 15:52	Anita M Dale	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14034WAA026	02/05/2014 06:11	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	14034WAA026	02/04/2014 02:30	Sherry L Morrow	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14037A20A	02/06/2014 14:41	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14037A20A	02/06/2014 14:41	Marie D Beamenderfer	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	140340006A	02/04/2014 18:38	Heather E Williams	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	140340007A	02/11/2014 00:01	Christine E Dolman	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	140340007A	02/04/2014 04:15	Sherry L Morrow	1
11191	TPH Fuels Waters Extraction	SW-846 3510C	1	140340006A	02/04/2014 04:15	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **B-23-W-140130 Grab Water**
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353167
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/30/2014 13:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.10	0.50	1
08357	Acenaphthylene	208-96-8	N.D.	0.10	0.50	1
08357	Anthracene	120-12-7	N.D.	0.10	0.50	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.10	0.50	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.10	0.50	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.10	0.50	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.10	0.50	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.10	0.50	1
08357	Chrysene	218-01-9	N.D.	0.10	0.50	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.10	0.50	1
08357	Fluoranthene	206-44-0	N.D.	0.10	0.50	1
08357	Fluorene	86-73-7	N.D.	0.10	0.50	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.10	0.50	1
08357	Naphthalene	91-20-3	N.D.	0.30	0.50	1
08357	Phenanthrene	85-01-8	N.D.	0.30	0.50	1
08357	Pyrene	129-00-0	N.D.	0.10	0.50	1
	Reporting limits were raised due to interference from the sample matrix.					
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
02500	Total TPH	n.a.	N.D.	400	1,200	1
02500	TPH Motor Oil C16-C36	n.a.	N.D.	400	1,200	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Reporting limits were raised due to interference from the sample matrix.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	N.D.	320	1,000	1
	The reverse surrogate, capric acid, is present at <1%. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: B-23-W-140130 Grab Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353167
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/30/2014 13:30 by BS

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPB23

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	F140362AA	02/05/2014 16:14	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F140362AA	02/05/2014 16:14	Anita M Dale	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14034WAA026	02/05/2014 06:39	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	14034WAA026	02/04/2014 02:30	Sherry L Morrow	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14037A20A	02/06/2014 15:03	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14037A20A	02/06/2014 15:03	Marie D Beamenderfer	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	140340006A	02/04/2014 19:00	Heather E Williams	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	140340007A	02/11/2014 00:24	Christine E Dolman	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	140340007A	02/04/2014 04:15	Sherry L Morrow	1
11191	TPH Fuels Waters Extraction	SW-846 3510C	1	140340006A	02/04/2014 04:15	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: QA-T-140128 NA Water
Facility# 371572 CRAW
3645 San Pablo-Emeryville T10000002518

LL Sample # WW 7353168
LL Group # 1449830
Account # 10880

Project Name: 371572

Collected: 01/28/2014

Submitted: 02/01/2014 08:55
Reported: 05/28/2014 16:46

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SPBTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	8260 BTEX/MTBE/EDC/EDB	SW-846 8260B	1	F140362AA	02/05/2014 11:30	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F140362AA	02/05/2014 11:30	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14034A20A	02/03/2014 12:00	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14034A20A	02/03/2014 12:00	Marie D Beamenderfer	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1449830
Reported: 05/28/14 at 04:46 PM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F140362AA	Sample number(s): 7353165-7353168								
Benzene	N.D.	0.5	1	ug/l	96		78-120		
1,2-Dibromoethane	N.D.	0.5	1	ug/l	96		76-120		
1,2-Dichloroethane	N.D.	0.5	1	ug/l	97		71-130		
Ethylbenzene	N.D.	0.5	1	ug/l	94		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	98		75-120		
Toluene	N.D.	0.5	1	ug/l	94		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	99		80-120		
Batch number: Z140362AA	Sample number(s): 7353161-7353164								
Benzene	N.D.	0.5	1	ug/l	88		78-120		
1,2-Dibromoethane	N.D.	0.5	1	ug/l	95		76-120		
1,2-Dichloroethane	N.D.	0.5	1	ug/l	90		71-130		
Ethylbenzene	N.D.	0.5	1	ug/l	87		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	83		75-120		
Toluene	N.D.	0.5	1	ug/l	95		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	92		80-120		
Batch number: 14034WAA026	Sample number(s): 7353161-7353167								
Acenaphthene	N.D.	0.010	0.050	ug/l	109	111	77-118	2	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	117	118	80-123	1	30
Anthracene	N.D.	0.010	0.050	ug/l	111	113	78-123	2	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	104	104	73-127	0	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	106	108	72-120	2	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	112	115	79-136	3	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	122	130	64-130	6	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	106	108	73-131	2	30
Chrysene	N.D.	0.010	0.050	ug/l	104	109	76-125	5	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	106	119	58-131	12	30
Fluoranthene	N.D.	0.010	0.050	ug/l	101	101	79-124	1	30
Fluorene	N.D.	0.010	0.050	ug/l	111	112	74-115	1	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	112	120	62-130	8	30
Naphthalene	N.D.	0.030	0.050	ug/l	110	113	75-120	3	30
Phenanthrene	N.D.	0.030	0.050	ug/l	105	107	75-120	2	30
Pyrene	N.D.	0.010	0.050	ug/l	113	115	71-130	1	30
Batch number: 14034A20A	Sample number(s): 7353161-7353162,7353168								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	116	116	75-135	0	30
Batch number: 14035B20A	Sample number(s): 7353163-7353165								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	125	126	75-135	1	30
Batch number: 14037A20A	Sample number(s): 7353166-7353167								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	125	127	75-135	1	30

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449830
Reported: 05/28/14 at 04:46 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 140340006A	Sample number(s): 7353161,7353164-7353167								
Total TPH	N.D.	40.	120	ug/l	75	106	52-120	34*	20
TPH Motor Oil C16-C36	N.D.	40.	120	ug/l					
Batch number: 140340007A	Sample number(s): 7353161,7353164-7353167								
TPH-DRO water C10-C28 w/Si Gel	N.D.	32.	100	ug/l	73	72	43-120	1	20
Batch number: 140350010A	Sample number(s): 7353163								
TPH-DRO water C10-C28 w/Si Gel	N.D.	32.	100	ug/l	70	70	43-120	0	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: F140362AA	Sample number(s): 7353165-7353168 UNSPK: P349408								
Benzene	100	98	72-134	2	30				
1,2-Dibromoethane	98	96	77-116	2	30				
1,2-Dichloroethane	99	100	68-131	0	30				
Ethylbenzene	97	96	71-134	2	30				
Methyl Tertiary Butyl Ether	95	95	72-126	0	30				
Toluene	98	98	80-125	1	30				
Xylene (Total)	101	99	79-125	1	30				
Batch number: Z140362AA	Sample number(s): 7353161-7353164 UNSPK: P353061								
Benzene	100	96	72-134	3	30				
1,2-Dibromoethane	99	99	77-116	0	30				
1,2-Dichloroethane	97	95	68-131	2	30				
Ethylbenzene	96	95	71-134	1	30				
Methyl Tertiary Butyl Ether	88	87	72-126	1	30				
Toluene	105	105	80-125	1	30				
Xylene (Total)	101	101	79-125	0	30				

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: UST VOCs by 8260B - Water
Batch number: F140362AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7353165	107	101	95	94
7353166	108	103	97	93
7353167	104	107	98	93
7353168	105	101	95	93
Blank	104	98	96	92

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449830
Reported: 05/28/14 at 04:46 PM

Surrogate Quality Control

LCS	103	105	96	95
MS	104	105	96	97
MSD	104	103	97	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z140362AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7353161	99	95	99	97
7353162	104	101	98	90
7353163	100	94	100	99
7353164	105	101	99	90
Blank	109	101	98	87
LCS	102	98	98	100
MS	104	99	97	100
MSD	105	100	97	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PAHs in waters by SIM
Batch number: 14034WAA026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7353161	84	42*	112
7353162	75	30*	110
7353163	86	38*	113
7353164	88	31*	114
7353165	88	36*	110
7353166	88	23*	113
7353167	93	29*	114
Blank	103	109	119
LCS	100	107	116
LCSD	99	107	117
Limits:	44-137	62-141	51-136

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 14034A20A

	Trifluorotoluene-F
7353161	82
7353162	81
7353168	81
Blank	85
LCS	88
LCSD	86
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 14035B20A

	Trifluorotoluene-F

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449830
Reported: 05/28/14 at 04:46 PM

Surrogate Quality Control

7353163	102
7353164	93
7353165	93
Blank	97
LCS	100
LCSD	99
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 14037A20A

	Trifluorotoluene-F
7353166	92
7353167	94
Blank	91
LCS	98
LCSD	99
Limits:	63-135

Analysis Name: TPH Fuels by GC (Waters)
Batch number: 140340006A

	Chlorobenzene	Orthoterphenyl
7353161	112	117
7353164	101	106
7353165	88	86
7353166	91	91
7353167	82	83
Blank	76	73
LCS	82	86
LCSD	79	116
Limits:	28-152	52-131

Analysis Name: TPH-DRO water C10-C28 w/Si Gel
Batch number: 140340007A

	Orthoterphenyl
7353161	91
7353164	95
7353165	81
7353166	93
7353167	92
Blank	79
LCS	91
LCSD	88
Limits:	46-131

Analysis Name: TPH-DRO water C10-C28 w/Si Gel
Batch number: 140350010A

	Orthoterphenyl
7353163	64

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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 Group Number: 1449830
Reported: 05/28/14 at 04:46 PM

Surrogate Quality Control

Blank	98
LCS	93
LCSD	93
Limits:	46-131

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(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

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Where quality is a science.

1 of 5

*(3) entered under new group # mk2 2/3/14

For Lancaster Laboratories use only 253245

Acct. #: 10880 Sample #: ~~735,3154-60~~ 735,3161-68 * SCR#:

G# ~~1449529~~ 1449830*

Facility #: Chevron 371572
Site Address: 3645 San Pablo Ave Emeryville, CA
Chevron PM: Cheryl Macleod Lead Consultant: CRA
Consultant/Office: 10969 Trade Center Dr. ste 107 Rancho Cordova, CA
Consultant Prj. Mgr.: Brian Silva
Consultant Phone #: 916 889-8908 Fax #: 916 889-8999
Sampler: Bryan Sendor
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + ~~MTBE~~ 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	TPHmo 8015	16 PAH - 8270 SIM	Chlorinated Solvents 8260B/C
B-17-W	W			2014-1-28	1330		X		13	X	X	X				X	X	X
B-18-W	W			2014-1-28	1330		X		9	X	X						X	X
B-19-W	W			2014-1-29	1400		X		11	X	X						X	X
B-20-W	W			2014-1-29	1430		X		13	X	X	X				X	X	X
B-21-W	W			2014-1-29	1500		X		13	X	X	X				X	X	X
B-22-W	W			2014-1-30	1430		X		11	X	X	X				X	X	X
B-23-W	W			2014-1-30	1330		X		11	X	X	X				X	X	X

Comments / Remarks

If there is extra water left in B-18-W, B-19-W please run for TPHd and TPHmo

Chlorinated Solvents 8260 B/C for EDB and EDC

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 VI (Raw Data)
WIP (RWQCB)
Disk
Type I – Full
☐ Coelt Deliverable not needed

Relinquished by:	Date	Time	Received by:	Date	Time
Bryan Sendor	1/31/14	1500			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
				2/1/14	0855
Temperature Upon Receipt 0.5-3.6 C°			Custody Seals Intact? Yes No		

acct# 10880 Ap# ~~1449529~~ 1449530* Sample# ~~7353154-60~~ 7353161-68*

*⑧ Entered under new group # MA 2/3/14

062056-Sampling Plan

Soil Chemical Analyses

Select soil samples will be analyzed per the SWRCB's September 2012 *Leaking Underground Fuel Tank Guidance (LUFT) Manual* to characterize petroleum hydrocarbons (gasoline, diesel, and motor oil) in soil:

- Total petroleum hydrocarbons as diesel (TPHd) by Environmental Protection Agency (EPA) Method 8015B modified with silica gel clean up
- Total Petroleum hydrocarbons as Motor Oil (TPHmo)
- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B modified
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) by EPA Method 8260B
- 16 priority pollutant polycyclic aromatic hydrocarbon (PAHs) by EPA Method 8270 SIM: 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, benzo(g,h,i)perylene
- Chlorinated solvents by EPA Method 8260B/C for 1,2-dibromoethane (EDB) and 1,2-dichloroethane (EDC)
- Metals: cadmium chromium, nickel, lead and zinc by EPA 6010/6020

Groundwater Chemical Analyses

Grab-groundwater samples will be analyzed per the SWRCB's September 2012 Leaking Underground Fuel Tank Guidance Manual to characterize petroleum hydrocarbons (gasoline, diesel, and motor oil) in groundwater:

- TPHd by EPA Method 8015B modified with silica gel clean up
- Total Petroleum hydrocarbons as Motor Oil (TPHmo)
- TPHg by EPA Method 8015B modified
- BTEX by EPA Method 8260B
- 16 priority pollutant polycyclic aromatic hydrocarbon (PAHs) by EPA Method 8270 SIM: 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, benzo(g,h,i)perylene
- Chlorinated Solvents by EPA Method 8260B/C for 1,2-dibromoethane (EDB) and 1,2-dichloroethane (EDC)

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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 - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> 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.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC 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.

ATTACHMENT E

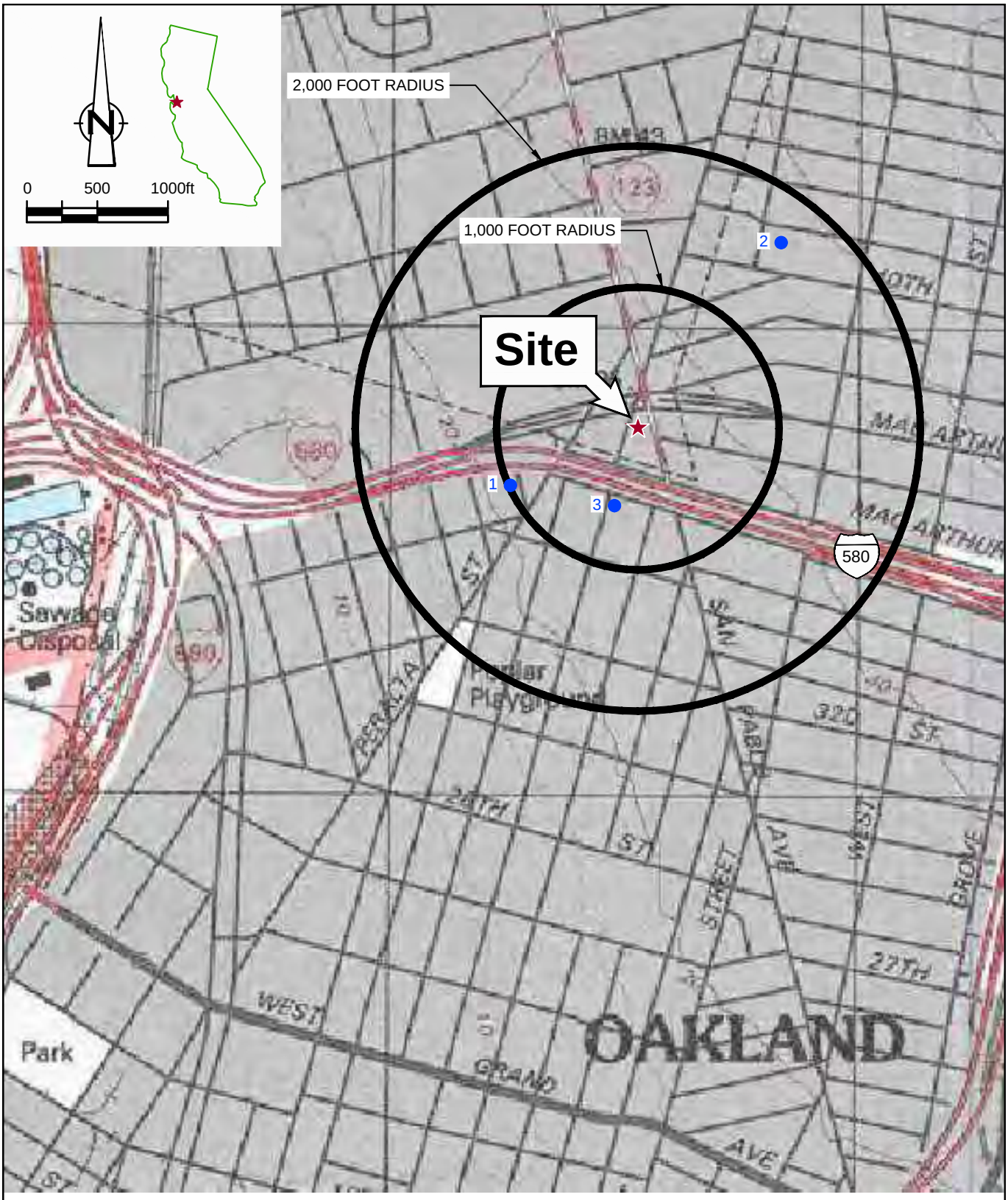
WELL SURVEY

WATER WELL SEARCH TABLE

FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO AVENUE
EMERYVILLE, CALIFORNIA

Figure 1 I.D.	*Well Number*	*Name/Owner*	*Location*	*Well Type*	*Date Installed*	*Status*	*Depth (fbg)*	*Screen Interval (fbg)*	*Approximate Distance from Site (feet)*	*Approximate Direction from Site*
1	--	E.E Costollo	3423 Harlan Street, Oakland	Unknown	1929	Abandoned	163	Unknown	1,088	southwest
2	--	California Linen Supply	989 41 Street, Oakland	Unknown	1927	Abandoned	575	Unknown	1,645	northeast
3	--	Frank Champion	3516 Adeline Street, Oakland	Industrial	1936	Unknown	97	Unknown	624	south

Abbreviations & Notes
NA = not applicable
- - = No Data
fbg = feet below grade
Abandoned = Abandoned and not being used (has not been destroyed through Alameda County Public Works Agency permit process)
Well Locations provided by the Alameda County Public Works Agency



LEGEND

1 ● APPROXIMATE LOCATION OF GROUNDWATER WELL

WELL SURVEY MAP
FORMER UNION OIL SERVICE STATION (CEMC 371572)
3645 SAN PABLO AVENUE
Emeryville, California

CRA

62056-2013.2(004)GN-WA003 APR 2/2014