CAMBRIA

Remedial Excavation Report and Closure Request

Former Standard Oil Service Station (Site #30-4291)
3884 First Street
Livermore, Alameda County, California

April 18, 2006

Prepared by:

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Cambria Project No. 31J-2036

Prepared at the request of:

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All work performed by Cambria Environmental Technology, Inc. for the subject site was conducted under my supervision. To the best of my knowledge, the data contained herein are true and accurate and satisfy the scope of work prescribed by the client for this project. The data, findings, recommendations, specifications or professional opinions presented herein were prepared in accordance with generally accepted professional engineering and geologic practice. We make no other warranty, either expressed or implied.

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Table of Contents

Figures

Tables

Attachments

1 INTRODUCTION

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) has prepared this report documenting recent remedial excavation activities at the site of a former Standard Oil Service Station (Chevron Site #30-4291), located at 3884 First Street, Livermore, California (Figure 1). This work was performed in general accordance with Cambria's January 18, 2006 *Soil Management Plan* (SMP). Alameda County Environmental Health Services (ACEHS) approved the SMP with additional comments and recommendations in a letter dated January 14, 2006. A copy of this letter is included as Attachment A for your reference.

As approved in the January 24, 2006 letter from ACEHS (Attachment A), Cambria proposed to remediate the site by removing petroleum hydrocarbon-impacted soil containing residual hydrocarbons above environmental screening levels (ESLs) for residential land use, and to allow natural attenuation of remaining hydrocarbons. In the SMP, Cambria proposed to excavate petroleum hydrocarbon-impacted soil to approximately 20 feet below grade (fbg) where previously identified and to the extent feasible.

The primary objective of excavation at the site was removal of petroleum hydrocarbon impacted soils and to replace the excavated soil with compacted, engineered fill. The following report discusses the project summary, site background, remedial excavation activities, conclusions, and related items.

2 PROJECT SUMMARY

Three areas on the property had been identified by previous investigation as containing elevated hydrocarbon concentrations; the first area was located within the first generation tankpit; the second area was identified as the second generation tankpit and northern dispenser island; the third area was identified in the center of the site in the area of a previously unknown underground storage tank (UST) (Figure 2). The remediation project primarily involved soil excavation (hydrocarbon source removal) and the placement and compaction of clean imported backfill.

The extent of each excavation is depicted on Figure 2. Excavations were extended to a maximum of 20 fbg. Approximately 522 tons, or 370 cubic yards (yd^3), of petroleum hydrocarbon-impacted soil was removed from the area of the first generation USTs (EX-1). Approximately 2,600 tons, or 1,846 yd^3, of soil was removed from the second generation USTs and northern dispenser island (EX-2). Approximately 1,480 tons, or 1,050 yd^3, of soil was removed from the center portion of the site (EX-3) where the orphan UST, oil water separator, and product lines were encountered. Approximately 211

tons or 149 yd^3 was removed during product piping and vent line removal. Excavated soil was transported for disposal to Vasco Road Landfill.

3 SITE BACKGROUND

Site Description: The site is a former gasoline service station, occupying a triangular shaped lot at the intersection of Portola Avenue and First Street in Livermore, California. Local topography is relatively flat, gradually sloping toward the southeast, at an approximate elevation of 520 ft above mean sea level (Figure 1). The surrounding area is comprised of commercial properties to the south, east and west and residential properties to the north and further west.

Site History: According to records acquired from ACEHS, Chevron, doing business as Standard Oil Company, leased the property from approximately 1936 through 1973, and possibly as late as 1975. Although no definite construction date is available, aerial photographs indicate the service station facilities were present on the site from as early as 1939 through, at least, August 1973. During this time two separate service station configurations were observed in aerial photographs (Attachment B). The original facilities were located on the eastern end of the site, with another structure, possibly a residence, on the western portion of the site. This site configuration is seen through the May 1969 aerial photograph and also on Standard Oil Company's 1971 Demolition Plan. Chevron also produced a March 1971 Ground and Grade Plan illustrating the proposed new facilities. The August 1973 photograph shows the reconstructed service station and indicates a reconfiguration of the intersection of Portola Avenue and First Street. The redeveloped facilities incorporated the area previously occupied by the structure mentioned above. A 1978 aerial photograph indicates a vacant lot with all facilities removed. The site appears to have continuously operated as part of an auto dealership from 1979 through 2005.

4 ENVIRONMENTAL HISTORY

December 1999 Soil Boring Investigation: Tom Edwards & Associates prepared a *Preliminary Site Investigation Report,* dated December 1999, in which a series of six soil borings were advanced at locations across the site to investigate the extent of hydrocarbons in soils. It was reported that boring locations were based on surface geophysical surveys. Soil samples were collected and analyzed for total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as motor oil (TPHmo) and total recoverable petroleum hydrocarbons (TRPH). Additionally, three soil samples from one boring were selected for analysis of benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA method 8260B. Analytic results of soil samples indicated low concentrations of TPHg and TPHd in boring B-2, located near the eastern end of the triangular lot, within the area labeled as "SS BLDG" on the original station facilities plan. Boring B-2

contained maximum concentrations of TPHg and TPHd at 10 feet below grade (fbg) at 630 and 280 milligrams per kilogram (mg/kg), respectively. TRPH and TPHmo were detected at maximum concentrations in B-2 in shallow samples collected at 5 fbg at 40,000 and 39,000 mg/kg, respectively. These concentrations decreased to 10,000 and 14,000 mg/kg, respectively, at 10 fbg and were, essentially, below detection limits at 15 fbg. BTEX constituents were detected in boring B-2 in the 5-foot sample from this boring at concentrations of 0.03, 0.62, 1.2 and 6.8 mg/kg, respectively. Low concentrations of ethylbenzene and xylenes were detected in the 10-foot sample from boring B-2 and no BTEX constituents were detected in the 15-foot sample from this boring. Boring locations are presented on Figure 2.

October 2004 Well Survey Report: According to a well survey report submitted by Cambria in October 2004, two clusters of monitoring wells are located approximately 435 feet northeast of the site. A municipal well is located approximately 1,200 feet south of the site. Five wells have been identified between one-quarter to one-half mile from the site. Four of these wells are identified as monitoring wells and one is a well of unknown use. The well of unknown use is located approximately 2,300 feet east of the site and was likely installed for industrial purposes, as its owner was identified as Coast Mfg. & Supply Co. Seven additional wells were identified beyond a one-half mile radius of the site. Two of these are municipal wells, one is a domestic well, one is unknown, and three are monitoring wells.

May 2005 Subsurface Investigation Report: Eighteen borings were completed as SB-7 through SB-24. Seventeen of the borings were completed by direct push technology and one (SB-24) was completed by hollow-stem auger. The first water-bearing zone was encountered, in Geoprobe borings, at depths of 23.5 to 28 fbg. The greatest concentrations of TPHg in soil were detected in the vicinity of the second generation dispenser island located along Portola Avenue (Figure 2). A maximum TPHg concentration of 2,900 mg/kg was detected in boring B-8 at 19.5 fbg. Soil samples obtained from beneath the collected water samples were dry, which suggests a perched water bearing zone. TPHg, benzene and toluene were detected in a grab groundwater sample from boring B-9 at maximum concentrations of 78,000, 13,000 and 20,000 micrograms per liter (ug/L), respectively.

September 2005 Additional Subsurface Investigation Report: Twelve cone petrometer test (CPT) borings were completed as CPT-1 through CPT-12. The first water-bearing zone was encountered, in borings, at depths of 35-40 fbg. TPH-g was detected at maximum concentrations of 3,500 mg/kg in CPT-12 at 16 fbg, located in the area of the first generation USTs. TPH-d was detected at 330 mg/kg in CPT-12 at 16 fbg. However, laboratory notes indicate that the observed sample pattern is not typical of #2 fuel/diesel and may represent weathered gasoline. Volatile constituents were detected at maximum concentrations of 1.3 mg/kg benzene, 0.98 mg/kg toluene, 14 mg/kg total xylenes in CPT-3 at 16 fbg, located in the second generation tankpits. TPH-d and TPH-g were encountered above

RWQCB ESL's for residential soils of 100 mg/kg to a maximum depth of 31 fbg in CPT-12. BTEX constituents were encountered above RWQCB ESL's for residential soils (see table A, pg 11) to a maximum depth of 50.5 fbg in CPT-3 and 31 fbg in CPT-12. MTBE was not detected above method reporting limits in soil samples. Historical analytic data are attached as Attachment C.

Subsurface Lithology: During the excavation, soils at the site were noted to be comprised of a reddish brown, firm, moderately permeable gravelly silt to approximately 6 fbg. This material is underlain by a strong brown (Munsell color chart 7.5 YR 6/3), stiff, low permeability silt and clayey silt to the total excavated depth of 20 fbg. In previous investigations a medium dense clayey silt was encountered between 35-45 fbg. Below 45 fbg, a very stiff silt/clayey silt was encountered across the site to approximately 80 fbg. Below 80 fbg lies stiff, fine-grained cemented sand. Borings logs are attached as Attachment D

Hydrogeology: According to Zone 7 Water Agency's *Draft Groundwater Management Plan for Livermore-Amador Groundwater Basin*, dated August 2005, the Livermore Valley is comprised of two aquifer zones. The upper aquifer zone is comprised of sandy and sandy clayey gravels which are encountered between 20 and 150 fbg. The lower aquifer consists of semi-confined to confined, coarse grained water-bearing units, interbedded with relatively impermeable, fine-grained units. A silty clay aquitard approximately 50 feet thick separates these zones.

During investigations conducted prior to 2006, discontinuous perched water-bearing zones were encountered between 23-28 fbg and 35-45 fbg. Groundwater was not encountered during excavation activities. Neither the upper or lower regional aquifers, as described by the Zone 7 Groundwater Management Plan, were encountered during site investigations or excavation.

5 PRE-EXCAVATION HYDROCARBON DISTRIBUTION IN SOIL

Based on the historic site use and previous laboratory analyses, hydrocarbons in the soil are composed primarily of highly weathered gasoline, diesel and heavier range hydrocarbons. Previous investigations by Cambria (2004 through 2005) indicate there were three areas of significant hydrocarbons in subsurface soil: 1) the first generation tankpit, 2) the second generation tankpit and northern dispenser island, and 3) the center portion of the site in the vicinity of the previously unknown use-oil UST. The highest heavier range hydrocarbon detected in soil was 39,000 mg/kg (December 1999 , Tom Edwards & Associates) TPH-motor oil in B-2 in the vicinity of the former unknown use-oil UST at 5 fbg. Samples collected from boring B-20 contained the highest concentration of TPHd concentration in soil at 1,100 mg/kg, at 11.5 fbg (May 2005, Cambria). The highest TPHg concentration detected in soil was 3,500 mg/kg, in boring CPT-12, located in the vicinity of the first generation tankpit at 16 fbg. The highest benzene concentration detected in soil

was 1.3 mg/kg in boring CPT-3, located in the vicinity of the second generation tankpit at 16 fbg (September 2005, Cambria). MTBE has not been detected in soil samples. Historical soil analytic tables are presented in Attachment C.

6 PRE-EXCAVATION HYDROCARBON DISTRIBUTION IN GRAB GROUNDWATER SAMPLES

The hydrocarbon compounds detected in grab groundwater samples have been primarily diesel, gasoline and BTEX constituents. The maximum concentration of TPHd encountered in groundwater was 15,000 micrograms per liter (ug/L) which was noted in the laboratory report as "The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range", in boring CPT-12 (September 2005, Cambria). The maximum concentration of TPHg encountered in groundwater was 78,000 ug/L in B-9. The maximum concentrations of BTEX encountered in groundwater were 13,000 ug/L benzene, 20,000 ug/L toluene, 2,200 ug/L ethylbenzene, and 6,000 ug/L total xylenes, respectively, in boring B-9 (May 2005, Cambria). MTBE has not been detected in grab groundwater samples. Historical analytic tables are presented in Attachment C.

7 REMEDIAL EXCAVATION ACTIVITIES

To avoid damaging underground utilities during excavation activities, a private utility locating company, California Utility Surveys, conducted an onsite survey on February 13, 2006. Excavation of impacted soil began on February 21, 2006, and all site work, was completed on March 21, 2006. The extent of each site excavation is shown on Figure 2. The entire construction site was surrounded by chain-link fencing to prohibit public access. Cambria personnel were on site during all site activities to monitor excavation progress and air quality for dust and volatile hydrocarbons.

Excavations were kept a safe distance from sidewalks to prevent potential caving. Excavated soil was either direct loaded onto trucks for transport offsite or stockpiled atop and covered with plastic sheeting. Straw waddles, hay bails and sand bags were placed along the driveways on the southern (downslope) portion of the site to prevent runoff during rain. Additionally, sand bags were placed around storm drains and sediment screens were placed in the storm drains to prohibit potential sediment runoff from entering the drains.

All three excavated areas were backfilled and compacted to approximately match the pre-excavation ground surface. The finished grades were covered with approximately 6 inches of gravel to control potential erosion until site redevelopment occurs. Within the excavation limits, petroleum hydrocarbon-impacted soil was removed to a maximum depth of approximately 20 fbg. Approximately 3,400 yd³ (4,800 tons) of petroleum hydrocarbon-impacted soil were hauled from the site (Attachment E). Based on analytic data, Vasco Road Landfill, a Chevron-approved facility in Livermore, California, pre-approved acceptance of the excavated soil.

Excavation 1 (EX-1): The remedial excavation activities were initiated at the corner of Portola Road and First Street (EX-1) in the vicinity of the first generation USTs. The excavation was bounded on the south by First Street and on the north and east by Portola Avenue. EX-1 was approximately 27-feet long, 28-feet wide and 20-feet deep. Confirmation soil samples were collected on February 22, 2006 (Figure 3). The excavated area was encompassed by a 1 to 1 sloped area for slope stability along the top 7 feet of the excavation. An approximate total of 370 yd^3 of hydrocarbon impacted soil was removed from EX-1. Groundwater was not encountered within the excavation.

Excavation 2 (EX-2): On February 24, 2006, soil excavation began in EX-2, encompassing the area of the second generation USTs and northern dispenser island. During soil removal, previous station debris was observed to approximately 12 fbg in the area of the second generation USTs. The debris consisted of concrete footings, asphalt, and old product lines. Cambria removed the debris along with hydrocarbon impacted soil. Confirmation soil samples were collected on February 27-28 and March 1, 2006 (Figure 4). The excavation limits were approximately 36-feet wide, by 26-feet long and 20-feet deep. In the area of the former tank fill, the excavation extended to only 12 fbg because soil was not found to be impacted in the fill area below this depth. An approximate total of 1,846 yd^3 of hydrocarbon impacted soil was removed from EX-2. Groundwater was not encountered within the excavation.

During excavation activities, vent lines from the second generation USTs were located, as well as product distribution lines from the former USTs to the southern dispenser island. The vent and product distribution lines were removed and transported off-site.

Excavation 3 (EX-3): On March 8, 2006, excavation activities began in the vicinity of borings B-2, B-3 and B-20, where analytic data indicated the presence of heavier range hydrocarbons. After removing approximately 2 yd^3 of soil in the vicinity of B-2, an orphan 350-gallon UST was discovered. Work was stopped until the tank removal activity could be properly permitted and the UST removed. An *Underground Storage Tank Removal Report* (Attachment F) was submitted to the Livermore-Pleasanton Fire Department on April 13, 2006. During tank removal, one confirmation sample (EX-3-1) was collected from beneath the UST (Figure 5). Subsequent to the orphan tank removal, an oil

water separator was encountered during over excavation activities. The location of the oil water separator was documented and then transported offsite. A sample (EX-3-2) was collected from beneath the oil-water separator at approximately 4 fbg. An approximate total of 1,050 yd^3 of hydrocarbon impacted soil was removed from EX-2. Groundwater was not encountered within the excavation.

Excavation of In-place Pipeline and Magnetic Anomalies: During excavation of the second generation USTs and northern dispenser island, vent lines and a former product line from the USTs to the former southern dispenser island were discovered in place. The lines were removed on March 8, 2006 and disposed with the orphan UST as requested by John Rigter of the Livermore-Pleasanton Fire Department. The lines were buried approximately 3 fbg. Confirmation samples were collected every 20 feet along the pipelines after removal (Figure 6).

After discovery of the orphan UST, California Utility Surveys was called back to identify other potential USTs or lines. Three magnetic anomalies were identified as possible USTs (Figure 3). These locations were excavated to 5 fbg. No tanks or additional piping were discovered. The magnetic anomalies were likely the result of electrical wires, abandoned sewer laterals, and irrigation piping encountered beneath these areas.

Backfill and Compaction: After the petroleum hydrocarbon-impacted soil was removed from the site or stockpiled onsite, the excavations were backfilled using a layer of ¾-inch Class II aggregate baserock (AB) to provide a consistent layer of base material. The baserock was placed from the bottom of the excavations to approximately 6 fbg. Geotextile (filter) fabric consisting of Mirafi 140N was placed atop the baserock. Clean "fill sand" was imported to the site, placed atop the filter fabric, and compacted in approximately 12- to 18-inch inch lifts with a Bomag sheepsfoot roller until the desired finished grades were achieved.

Michelucci & Associates, Inc. of Santa Rosa, California was retained by the excavation contractor to provide observation and compaction testing services during the project. A copy of the compaction testing report is presented in Attachment G.

Sampling Methodology: Cambria designated impacted soils using: past soil analytic results, photo ionization detector (PID) readings, visual observations, and confirmation samples. Cambria collected confirmation soil samples from the bottom and sidewalls of each excavation to document residual petroleum hydrocarbon-impacted soil left in place. The bottom confirmation samples were collected in roughly a 15-ft square grid pattern, while sidewall samples were collected approximately every 15 linear feet at approximately 8 and 15 fbg.

Confirmation samples were collected by inserting a 6-inch brass tube into soil brought to the surface from the appropriate depth in the excavation bucket. The samples were trimmed, capped with Teflon tape and plastic end caps, labeled, placed on ice, and transported under chain-of-custody to McCampbell Analytical of Pacheco, California, a State-certified analytic laboratory, for 24-hour turnaround. Selected samples were analyzed for:

- TPHg by Modified EPA Method 8015.
- TPHd by Modified EPA Method 8015.
- BTEX by EPA Method 8260B.

Samples collected from EX-3 were additionally analyzed for:

- CAM-17 metals by EPA Method 6010C.

Tabulated soil sample results, representing residual hydrocarbons at the base and sidewalls of the excavations, are presented as Table 1. The laboratory report of soil sample analyses is included as Attachment H.

8 CURRENT HYDROCARBON DISTRIBUTION IN SOIL

Although the remedial excavation activities removed a large quantity of petroleum hydrocarbon-impacted soil, isolated pockets of hydrocarbons are still present in the subsurface. Hydrocarbon-impacted soil remains in place beneath the sidewalk on First Street and below 20 fbg in excavations EX-1 and EX-3.

Hydrocarbon concentrations in EX-1 soil samples exceeded cleanup goals in 3 samples. EX-1-4@17 fbg contained TPHg, benzene and toluene, which exceed cleanup goals at concentrations of 1,100 mg/kg, 0.56 mg/kg and 3.1 mg/kg, respectively. EX-1-5@11 fbg contained TPHg, benzene, toluene, and total xylenes which exceed cleanup goals at concentrations of 1,500 mg/kg, 0.96 mg/kg, 11 mg/kg and 30 mg/kg, respectively. EX-1-8@12 fbg contained TPHg and toluene concentrations which exceed cleanup goals at concentrations of 2,100 mg/kg and 3.7 mg/kg, respectively. Each of the samples that exceed cleanup goals were collected from the southern wall of the excavation which could not be extended due to the proximity of First Street. The excavation bottom sample collected (EX-1-1@18 fbg) contained hydrocarbons below the soil cleanup goals (Table 1).

Hydrocarbon concentrations in EX-2 soil samples originally exceeded cleanup goals in seven sidewall samples on the northern and eastern edges of the excavation. The excavation was extended by 3 feet in both directions. Subsequent samples indicated petroleum hydrocarbons were below soil cleanup

goals, with the exception of the bottom sample EX-2-28 collected at 20 fbg, which contained 0.87 mg/kg benzene.

Hydrocarbon concentrations in EX-3 soil samples did not exceed cleanup goals. EX-3-1 @ 4 fbg was a regulatory compliance sample collected from beneath the orphan UST. EX-3-2 @ 9 fbg was collected from beneath the oil water separator. Both of these locations were excavated. No additional samples contained hydrocarbons above proposed cleanup goals.

Regulatory compliance samples collected from beneath the vent lines and product lines at the site did not contain hydrocarbons above method detection limits.

9 REGULATORY STATUS REVIEW AND RECOMMENDATIONS

The site appears to meet the Regional Water Quality Control Board (RWQCB) San Francisco Bay Region criteria for a low-risk fuel site. As described by the April 1, 1996 RWQCB memorandum, *Regional Board Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites*, a low-risk groundwater case has the following general characteristics:

- The leak has been stopped and ongoing sources, have been removed or remediated;
- The site has been adequately characterized;
- The dissolved hydrocarbon plume is not migrating;
- No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted; and
- The site presents no significant risk to human health or the environment.

Each of the low-risk groundwater case characteristics, as they relate to the site, is discussed below.

The Leak Has Stopped and Ongoing Sources, Including Free Product, Have Been Removed: Both the first and second generation tankpits have been excavated. A third excavation uncovered an orphan tank which was removed and disposed of. No soil samples collected, through several phases of investigation, have contained hydrocarbon concentrations indicative of light non-aqueous phase liquids (LNAPL). LNAPL has never been observed in samples collected from borings and dissolved hydrocarbon concentrations in grab groundwater samples collected from borings across the site do not suggest the presence of LNAPL.

The Site Has Been Adequately Characterized: A total of 36 soil borings to a maximum depth of 90 fbg have been advanced across the site prior to excavation. Additionally, areas with hydrocarbon impact exceeding ESLs located onsite and above 20 fbg have been remediated via excavation. The area of the first generation USTs and dispenser islands have been characterized by samples collected from the May and September 2005 subsurface investigations as well as confirmation samples collected from EX-1. EX-1 confirmation soil samples indicate that soils beneath the First Street sidewalk still contained hydrocarbons above ESLs, with a maximum concentration of 2,100 mg/kg TPH-g at 12 fbg. EX-1 soil samples collected from the north, east and west excavation walls and a bottom sample did not contain petroleum hydrocarbons above ESLs.

Residual hydrocarbon impact around the second generation USTs has been characterized by samples collected from the sidewalls and bottom of EX-2. The final round of confirmation sampling found benzene concentrations above ESLs in three soil samples collected at 20 fbg. The maximum benzene concentration was collected from EX-2-28 located in center of the excavation at 20 fbg at 0.87 mg/kg. No additional samples contained hydrocarbons above residential ESLs. These concentrations will diminish over time.

Residual hydrocarbon impact around the orphan UST has been characterized by samples collected from EX-3 sidewalls. Confirmation soil samples from EX-3 did not contain hydrocarbons above residential ESLs.

The Dissolved Hydrocarbon Plume Is Not Migrating: Groundwater samples collected from open holes often took 1-2 hours to collect due to low formation permeability. Grab groundwater samples were collected when possible and analyzed for TPHg, TPHd, TPHmo, and BTEX constituents. TPHg was detected at a maximum concentration of 13,000 ug/L in a sample collected from CPT-3 at 43 fbg. Volatile constituents were detected at maximum concentrations of 1,600 ug/L benzene, 240 ug/L toluene, 640 ug/L ethylbenzene and 660 ug/L total xylenes in CPT-3 at 43 fbg. CPT-3 was located in the center of EX-2. TPHd was detected at a maximum concentration of 78,000 ug/L in B-9 at 28 fbg, also located in the center of EX-2. TPHd was detected in CPT-3 at 2,900 ug/L at 43 fbg, indicating attenuation with depth. CPT-12, located in EX-1, contained TPH-d and TPH-g at 9,800 ug/L and 15,000 ug/L, respectively. MTBE has not been detected in grab groundwater samples. CPT-6 and CPT-1 water samples, collected in the inferred downgradient direction from EX-1, EX-2 and EX-3 did not contain hydrocarbons above ESLs for residential land use.

Water Wells, Deeper Drinking Water Aquifers, Surface Water, or Other Sensitive Receptors are Not Likely to be Impacted: One municipal well is located approximately 1,200 feet south of the site. Due to low concentrations detected in CPT-6, located downgradient of the former first generation tankpit, offsite migration appears to be limited. During investigations conducted prior to 2006, discontinuous

perched water bearing zones were encountered between 23-28 fbg and 35-45 fbg. Groundwater was not encountered during excavation activities. Neither the upper or lower regional aquifers, as described by the Zone 7 Groundwater Management Plan, were encountered during site investigations.

The Site Presents No Significant Risk to Human Health or the Environment: To assess the potential health risks to occupants of the site and adjacent properties, Cambria compared hydrocarbon concentrations in soil and groundwater with water quality objectives from environmental screening levels (ESLs) developed by the Regional Water Quality Control Board (RWQCB) San Francisco Bay Region[1]. The following table details ESLs for soil in residential areas where groundwater is a current or potential source of drinking water.

Table A							
Summary of Environmental Screening Levels							
Groundwater is a Current or Potential Source of Drinking Water- Residential Land Use							
Ceiling Value ESL Concentrations							
	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylens
Shallow Soils (<3m bgs) in mg/kg	500	100	100	0.044	2.9	3.3	2.3
Deep Soils (>3m bgs) in mg/kg	1000	100	100	0.044	2.9	3.3	2.3

Hydrocarbon impacts in soil have been removed to 20 fbg onsite where accessible. Hydrocarbons above ESLs as indicated by grab groundwater samples have been very localized and are likely to naturally attenuate now that impacted soil has been excavated. Land use in the immediate vicinity will be parking and landscaping, which isolates residuals from surface occupants. MTBE has never been detected in soil or groundwater samples collected from the site. Therefore, the extent of

1 RWQCB *Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater, Volume 1, Summary Tier 1 Lookup Tables, Interim Final February 2005, for Residential Land Use, Where Groundwater is a Current or Potential Source of Drinking Water*

hydrocarbons has been defined to the degree necessary to determine that the site does not presents a threat to human health or the environment.

10 CONCLUSIONS AND RECOMENDATIONS

The majority of petroleum hydrocarbon-impacted soil at the site was removed during the February and March 2006 excavation. Therefore the remediation objectives were achieved. Petroleum hydrocarbon-impacted soil above ESLs for residential land use may still exist beneath the First Street sidewalk and at depths greater than 20 fbg.

Approximately 3,400 yd^3 of petroleum hydrocarbon-impacted soil were removed from the site and transported to Chevron-approved landfill for proper disposal. Because groundwater is not an issue at this site, and proposed development plans indicate the excavated areas are to be used for parking, a community center and a small park, residual hydrocarbons beneath the sidewalk and deeper than 20 fbg will not have a significant impact on future residents or the environment. Additionally, groundwater has not been encountered beneath this site, with the exception of discontinuous perched zones. Therefore, Cambria proposes that the site be reviewed for closure and a "No Further Action" letter be issued for the site.

cc: STRATA (Mark Inglis, Chevron)
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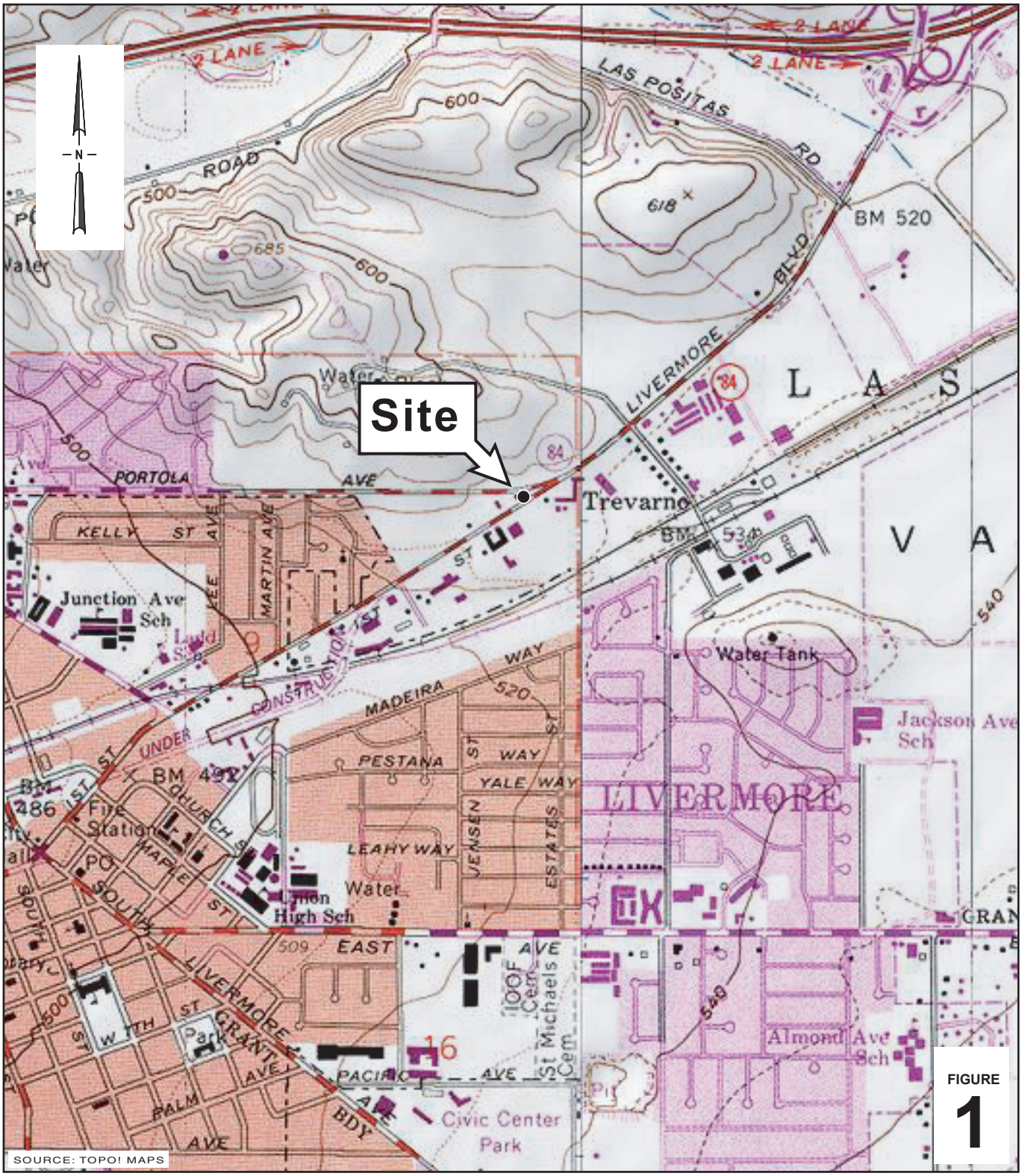
Mr. Steven Clowdsley, Real Estate Consulting, 1561 Ramona Way, Alamo, CA 94507
Alameda County Database

FIGURES

09/03/04



I:\304291 LIVERMORE\FIGURES\VICINITY-MAP.AI

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SCALE : 1" = 1/4 MILE

FIGURE
1

Former Standard Oil Service Station 9-0261 (Site No. 304291)

3884 First Street

Livermore, California

CAMBRIA

Vicinity Map

04/13/06

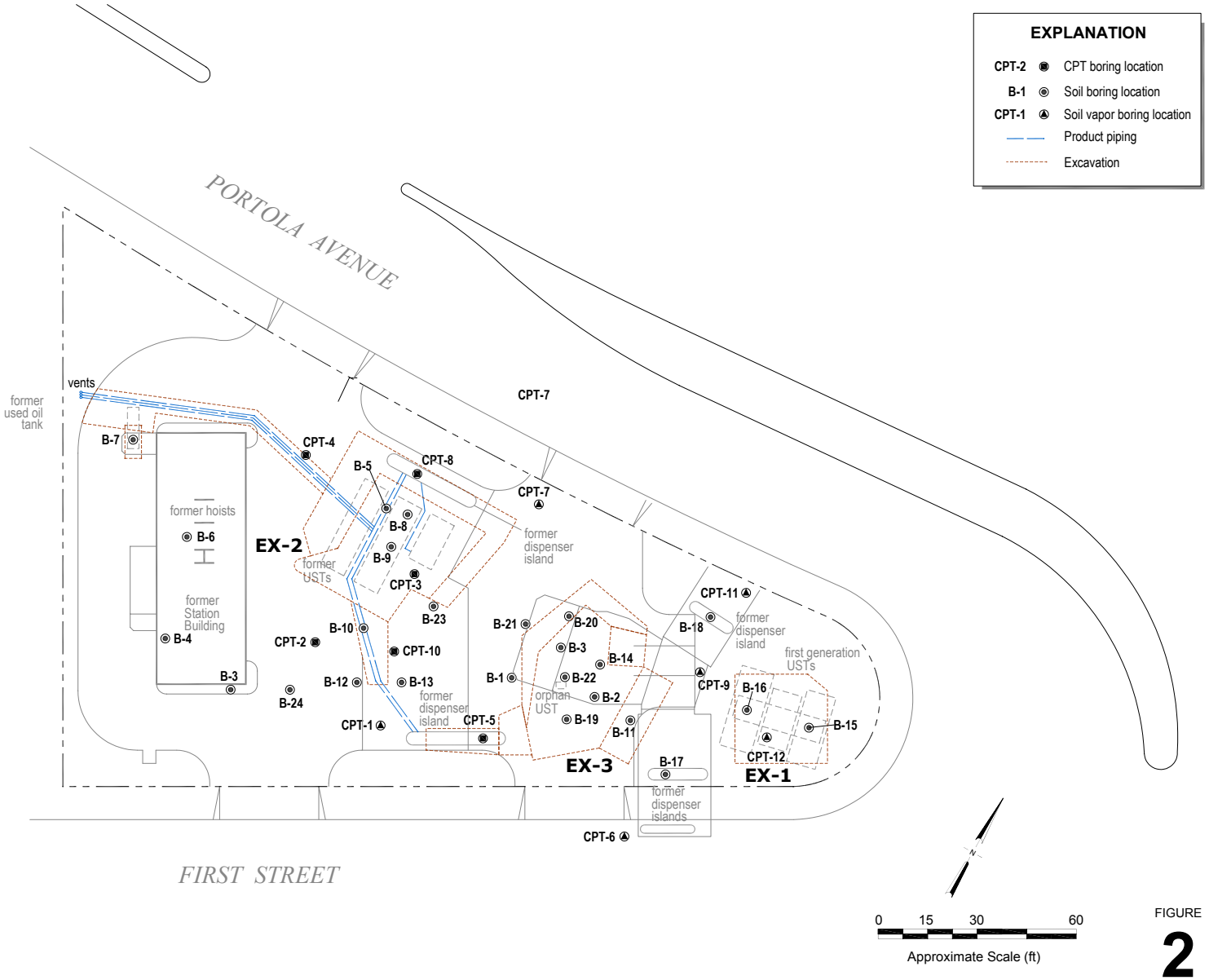

FIGURE
2

Site Plan with Excavation Locations

Former Standard Oil Service Station 9-0261
(Site No. 304291)
3884 First Street
Livermore, California

CAMBRIA

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04/12/06

EX-1 Soil Sample Locations with Analytical Results

EXPLANATION

- CPT-2 — CPT boring location
- B-1 — Soil boring location
- CPT-1 — Soil vapor boring location
- EX-1-1 — Soil sample location
- Product piping
- Excavation

Sample	Depth	TPHg	TPHd	Benzene
EX-1-1	18.0'	25	6.2	0.012

Sample	Depth	TPHg	TPHd	Benzene
EX-1-12	6.0'	<1.0	<1.0	<0.005
EX-1-11	12.0'	<1.0	<1.0	<0.005
EX-1-10	17.0'	57	13	<0.010

Sample	Depth	TPHg	TPHd	Benzene
EX-1-3	17.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-1-2	17.0'	2.7	2.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-1-14	12.0'	<1.0	<1.0	<0.005
EX-1-13	17.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-1-16	12.0'	<1.0	<1.0	<0.005
EX-1-15	17.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-1-17	6.0'	<1.0	1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-1-5	11.0'	**1,500**	**590**	**0.96**

Sample	Depth	TPHg	TPHd	Benzene
EX-1-6	5.0'	**43**	**14**	0.019

Sample	Depth	TPHg	TPHd	Benzene
EX-1-9	9.0'	<1.0	<1.0	<0.005
EX-1-8	12.0'	**2,100**	**250**	<0.10
EX-1-7	17.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-1-4	17.0'	**1,100**	95	**0.56**

PORTOLA AVENUE

FIRST STREET

vents

former used oil tank

former hoists

former Station Building

former USTs

former dispenser island

first generation USTs

orphan UST

former dispenser islands

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10 B-11 B-12 B-13 B-14 B-15 B-16 B-17 B-18 B-19 B-20 B-21 B-22 B-23 B-24

CPT-1 CPT-2 CPT-3 CPT-4 CPT-5 CPT-6 CPT-7 CPT-8 CPT-9 CPT-10 CPT-11 CPT-12

EX-1 EX-2 EX-3

Detail Area

0 15 30 60

Approximate Scale (ft)

FIGURE 3

Former Standard Oil Service Station 9-0261
(Site No. 304291)
3884 First Street
Livermore, California

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04/12/06

EX-2 Soil Sample Locations with Analytical Results

EXPLANATION

- CPT-2 — CPT boring location
- B-1 — Soil boring location
- CPT-1 — Soil vapor boring location
- EX-2-1 — Soil sample location
- Product piping
- Excavation

Sample	Depth	TPHg	TPHd	Benzene
EX-2-41A	18.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-1	12.0'	<1.0	<1.0	<0.005
EX-2-2	6.0'	<1.0	<1.0	<0.005
EX-2-27	20.0'	**1,300**	**220**	**1.5**

Sample	Depth	TPHg	TPHd	Benzene
EX-2-35A	20.0'	<1.0	<1.0	<0.005
EX-2-36A	15.0'	<1.0	<1.0	<0.005
EX-2-37A	10.0'	HOLD		

Sample	Depth	TPHg	TPHd	Benzene
EX-2-38A	20.0'	<1.0	<1.0	<0.005
EX-2-39A	15.0'	<1.0	<1.0	<0.005
EX-2-40A	10.0'	HOLD		

Sample	Depth	TPHg	TPHd	Benzene
EX-2-29	20.0'	<1.0	<1.0	<0.005
EX-2-30	15.0'	<1.0	<1.0	<0.005
EX-2-31	10.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-24	20.0'	<1.0	<1.0	<0.005
EX-2-25	12.0'	<1.0	<1.0	<0.005
EX-2-26	6.0'	43	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-3	12.0'	<1.0	<1.0	<0.005
EX-2-4	6.0'	<1.0	<1.0	<0.005
EX-2-7	20.0'	**2,000**	**580**	**8.2**

Sample	Depth	TPHg	TPHd	Benzene
EX-2-21	20.0'	<1.0	<1.0	<0.005
EX-2-22	12.0'	<1.0	<1.0	<0.005
EX-2-23	6.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-32A	20.0'	<1.0	<1.0	<0.005
EX-2-33A	15.0'	<1.0	<1.0	<0.005
EX-2-34A	10.0'	HOLD		

Sample	Depth	TPHg	TPHd	Benzene
EX-2-18	20.0'	<1.0	<1.0	<0.005
EX-2-19	12.0'	<1.0	<1.0	<0.005
EX-2-20	6.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-32	20.0'	<1.0	<1.0	**0.077**
EX-2-33	15.0'	<1.0	<1.0	<0.005
EX-2-34	10.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-15	20.0'	<1.0	<1.0	<0.005
EX-2-16	12.0'	<1.0	<1.0	<0.005
EX-2-17	6.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-5	12.0'	**17,000**	**1,600**	**68**
EX-2-6	6.0'	<1.0	<1.0	<0.005
EX-2-8	20.0'	**2,300**	84	**28**

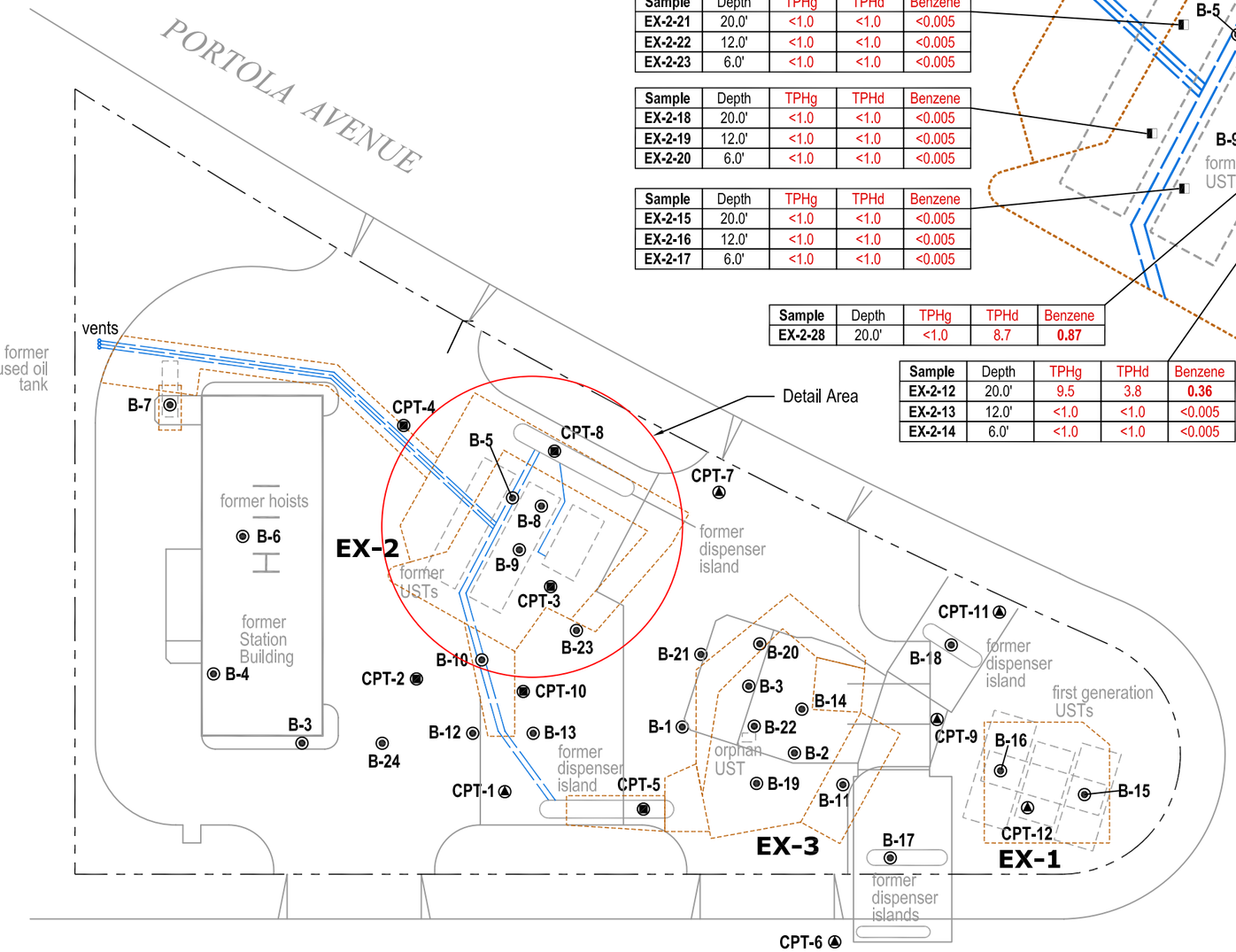
Sample	Depth	TPHg	TPHd	Benzene
EX-2-35	20.0'	2.5	<1.0	**0.25**
EX-2-36	15.0'	<1.0	<1.0	<0.005
EX-2-37	10.0'	<1.0	<1.0	<0.005

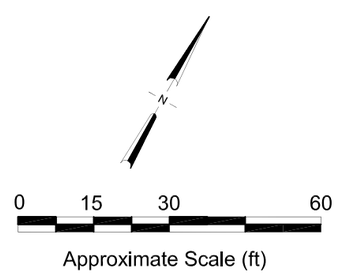
Sample	Depth	TPHg	TPHd	Benzene
EX-2-28	20.0'	<1.0	8.7	**0.87**

Sample	Depth	TPHg	TPHd	Benzene
EX-2-12	20.0'	9.5	3.8	**0.36**
EX-2-13	12.0'	<1.0	<1.0	<0.005
EX-2-14	6.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-9	20.0'	1.8	<1.0	**0.12**
EX-2-10	12.0'	<1.0	<1.0	<0.005
EX-2-11	6.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-2-29A	20.0'	<1.0	<1.0	<0.005
EX-2-30A	15.0'	<1.0	<1.0	<0.005
EX-2-31A	10.0'	HOLD		





FIGURE

4

Former Standard Oil Service Station 9-0261

(Site No. 304291)

3884 First Street

Livermore, California

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04/13/06

EX-3 Soil Sample Locations with Analytical Results

EXPLANATION

- CPT-2 — CPT boring location
- B-1 — Soil boring location
- CPT-1 — Soil vapor boring location
- EX-3-1 — Soil sample location
- Product piping
- Excavation

Sample	Depth	TPHg	TPHd	Benzene
EX-3-18	12.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-17	18.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-19	8.0'	<1.0	1.4	<0.005
EX-3-20	14.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-16	8.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-23	18.0'	<1.0	1.3	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-15	12.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-21	8.0'	<1.0	<1.0	<0.005
EX-3-22	14.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-14	8.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-30	9.0'	Sampled for Metals only		
EX-3-31	18.0'			

Sample	Depth	TPHg	TPHd	Benzene
EX-3-1	5.5'	**16**	**170**	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-2	9.0'	**1,200**	**1,800**	<0.5

Sample	Depth	TPHg	TPHd	Benzene
EX-3-24	16.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-32	9.0'	Sampled for Metals only		
EX-3-33	18.0'			

Sample	Depth	TPHg	TPHd	Benzene
EX-3-25	7.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-12	10.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-28	9.0'	Sampled for Metals only		
EX-3-29	18.0'			

Sample	Depth	TPHg	TPHd	Benzene
EX-3-11	14.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-13	10.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-3	12.0'	<1.0	<1.0	<0.005
EX-3-4	17.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-8	7.0'	<1.0	<1.0	<0.005
EX-3-9	12.0'	<1.0	<1.0	<0.005
EX-3-10	14.0'	<1.0	3.3	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-5	14.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-6	7.0'	<1.0	<1.0	<0.005
EX-3-7	14.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EX-3-26	9.0'	Sampled for Metals only		
EX-3-27	18.0'			

Sample	Depth	TPHg	TPHd	Benzene
EX-3-34	18.0'	Sampled for Metals only		

PORTOLA AVENUE

FIRST STREET

vents

former used oil tank

former hoists

former Station Building

former USTs

former dispenser island

former dispenser island

former dispenser islands

first generation USTs

orphan UST

orphan UST

Detail Area

EX-1

EX-2

EX-3

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10 B-11 B-12 B-13 B-14 B-15 B-16 B-17 B-18 B-19 B-20 B-21 B-22 B-23 B-24

CPT-1 CPT-2 CPT-3 CPT-4 CPT-5 CPT-6 CPT-7 CPT-8 CPT-9 CPT-10 CPT-11 CPT-12

0 15 30 60

Approximate Scale (ft)

FIGURE 5

Former Standard Oil Service Station 9-0261
(Site No. 304291)
3884 First Street
Livermore, California

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04/13/06

Pipeline Excavation Soil Sample Locations with Analytical Results

EXPLANATION

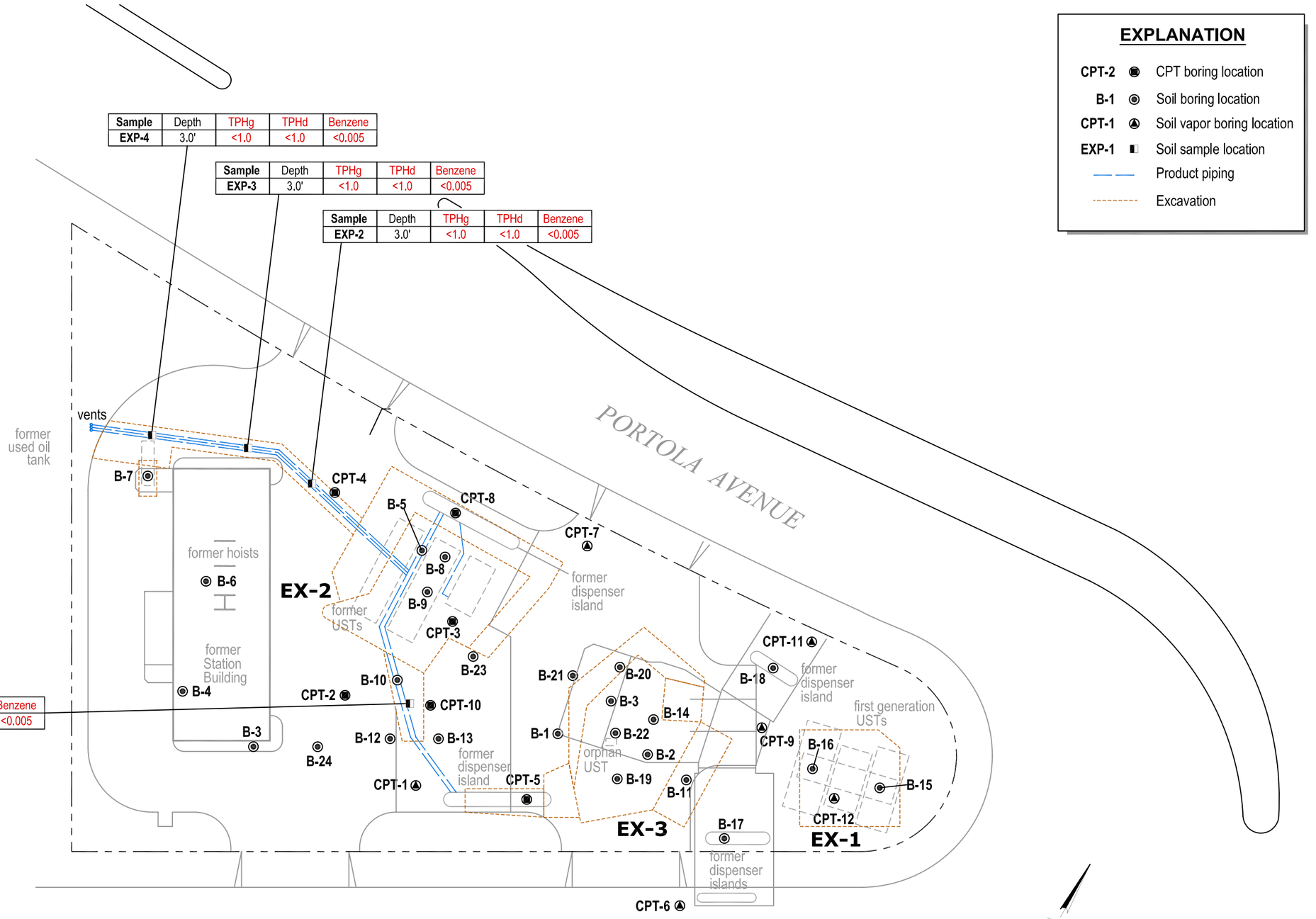
- CPT-2 — CPT boring location
- B-1 — Soil boring location
- CPT-1 — Soil vapor boring location
- EXP-1 — Soil sample location
- Product piping
- Excavation

Sample	Depth	TPHg	TPHd	Benzene
EXP-4	3.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EXP-3	3.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EXP-2	3.0'	<1.0	<1.0	<0.005

Sample	Depth	TPHg	TPHd	Benzene
EXP-1	3.5'	<1.0	<1.0	<0.005



FIGURE

6

Former Standard Oil Service Station 9-0261
(Site No. 304291)
3884 First Street
Livermore, California

CAMBRIA

I:\304291 LIVERMORE\FIGURES\304291_EX-SAMPLE-4.DWG

TABLES

Table 1. Analytical Results for Excavation Activities - Former Standard Oil Station 30-4291, 3884 First St., Livermore, California

Sample ID	Sample Date	Sample Depth	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	O+G
			<---------- (concentrations reported in mg/kg) ---------->						
EX-1-1	2/24/2006	18	**25[am]**	**6.2[n]**	0.012	**0.012**	<0.005	<0.005	NA
EX-1-2	2/24/2006	17	**2.7[g]**	**2.0[n]**	<0.005	<0.005	<0.005	<0.005	NA
EX-1-3	2/24/2006	17	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-4	2/24/2006	17	**1100[am]**	**95[n]**	**0.56**	**3.1**	<0.10	**2.1**	NA
EX-1-5	2/24/2006	11	**1500[bm]**	**590[db]**	**0.96**	**11**	<0.50	**30**	NA
EX-1-6	2/24/2006	5	43[bm]	14[dg]	0.019	**0.23**	<0.010	**0.78**	NA
EX-1-7	2/24/2006	17	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-8	2/24/2006	12	**2100[bm]**	250[nb]	<0.10	**3.7**	<0.10	**1.1**	NA
EX-1-9	2/24/2006	9	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-10	2/24/2006	17	57[gm]	13[n]	<0.010	<0.010	<0.010	<0.010	NA
EX-1-11	2/24/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-12	2/24/2006	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-13	2/24/2006	17	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-14	2/24/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-15	2/24/2006	17	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-16	2/24/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-1-17	2/24/2006	6	<1.0	1.0[fb]	<0.005	<0.005	<0.005	<0.005	NA
EX-2-1	2/24/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-2	2/24/2006	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-3	2/24/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-4	2/24/2006	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-5	2/24/2006	12	**17,000[a]**	**1,600[d]**	**68**	**800**	**230**	**1,000**	NA
EX-2-6	2/24/2006	6	<1.0	<1.0	<0.005	**0.011**	<0.005	**0.011**	NA
EX-2-7	2/27/2006	20	**2,000[a]**	**580[d,b]**	**8.2**	**77**	**33**	**140**	NA
EX-2-8	2/27/2006	20	**2,300[a]**	**84[d]**	**28**	**40**	**190**	**170**	NA
EX-2-9	2/27/2006	20	**1.8[a]**	<1.0	**0.12**	**0.017**	<0.005	**0.014**	NA
EX-2-10	2/27/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-11	2/27/2006	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-12	2/27/2006	20	**9.5[a]**	**3.8[d]**	**0.36**	**0.13**	<.02	**0.4**	NA
EX-2-13	2/27/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-14	2/27/2006	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-15	2/27/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-16	2/27/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA

Table 1. Analytical Results for Excavation Activities - Former Standard Oil Station 30-4291, 3884 First St., Livermore, California

Sample ID	Sample Date	Sample Depth	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	O+G
			<---------- (concentrations reported in mg/kg) ---------->						
EX-2-17	2/27/2006	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-18	2/27/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-19	2/27/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-20	2/27/2006	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-21	2/27/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-22	2/27/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-23	2/27/2006	6	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-24	2/27/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-25	2/27/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-26	2/27/2006	6	**43**[a]	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-27	2/27/2006	20	**1,300**[a]	**220** [d,b]	**1.5**	**9.9**	**14**	**82**	NA
EX-2-28	2/27/2006	20	<1.0	**8.7** [d]	**0.87**	**0.36**	**2.1**	**1.7**	NA
EX-2-29	2/28/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-30	2/28/2006	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-31	2/28/2006	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-32	2/28/2006	20	<1.0	<1.0	**0.077**	**0.017**	<0.005	<0.005	NA
EX-2-33	2/28/2006	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-34	2/28/2006	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-35	2/28/2006	20	**2.5**[a]	<1.0	**0.25**	**0.06**	<0.01	<0.01	NA
EX-2-36	2/28/2006	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-37	2/28/2006	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-29A	3/1/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-30A	3/1/2006	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-31A	3/1/2006	10	HOLD						
EX-2-32A	3/1/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-33A	3/1/2006	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-34A	3/1/2006	10	HOLD						
EX-2-35A	3/1/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-36A	3/1/2006	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-37A	3/1/2006	10	HOLD						
EX-2-38A	3/1/2006	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-39A	3/1/2006	15	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EX-2-40A	3/1/2006	10	HOLD						
EX-2-41A	3/1/2006	18	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA

Table 1. Analytical Results for Excavation Activities - Former Standard Oil Station 30-4291, 3884 First St., Livermore, California

Sample ID	Sample Date	Sample Depth	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	O+G
			<---------- (concentrations reported in mg/kg) ---------->						
EX3-1	3/8/2006	5.5	**16** [g,m]	**170** [g,b]	<0.005	<0.005/0.11	--	**0.18**[p]**/0.11**[q]	**1,300**
EX3-2	3/15/2006	9	**1,200** [g,m]	**1,800** [k,g]	<0.5	<0.5	<0.5	<0.5	<50
EX3-3	3/15/2006	5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-4	3/15/2006	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-5	3/15/2006	14	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-6	3/15/2006	7	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-7	3/15/2006	14	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-8	3/15/2006	7	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-9	3/15/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-10	3/15/2006	14	<1.0	**3.3** [k,g]	<0.005	<0.005	<0.005	<0.005	<50
EX3-11	3/15/2006	14	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-12	3/15/2006	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-13	3/15/2006	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-14	3/15/2006	8	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-15	3/15/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-16	3/15/2006	8	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-17	3/15/2006	18	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-18	3/15/2006	12	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-19	3/15/2006	8	<1.0	**1.4** [g,b]	<0.005	<0.005	<0.005	<0.005	<50
EX3-20	3/15/2006	14	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-21	3/15/2006	8	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-22	3/15/2006	14	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-23	3/15/2006	18	<1.0	**1.3** [g]	<0.005	<0.005	<0.005	<0.005	<50
EX3-24	3/15/2006	16	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EX3-25	3/15/2006	7	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<50
EXP1	3/8/2006	3.5	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EXP2	3/8/2006	3	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EXP3	3/8/2006	3	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
EXP4	3/8/2006	3	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA
ESL's for soils <3fbg (Residential)			100	100	0.044	2.9	3.3	2.3	
ESL's for soils >3fbg (Residential)			100	100	0.044	2.9	3.3	2.3	

Table 1. Analytical Results for Excavation Activities - Former Standard Oil Station 30-4291, 3884 First St., Livermore, California

Sample ID	Sample Date	Sample Depth	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	O+G
			<---------- (concentrations reported in mg/kg) ---------->						

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) analyzed using modified EPA Method 8015.
Total petroleum hydrocarbons as diesel (TPHd) analyzed using modified EPA Method 8015.
Benzene, toluene, ethylbenzene, xylenes (BTEX) and Volatile Organic Compounds (VOCs) analyzed using EPA Method 8260B.
Semi-volatile organics (SVOCs) analyzed by EPA Method 8270C.
Polychlorinated biphenyls (PCBs) analyzed by EPA Method 8082.
Oil and Grease (O+G) analyzed by EPA Method SM 5520E/F.
mg/kg = milligrams per kilogram.
<n = Results not detected above method detection limits n.
NA = Not analyzed.
a =unmodified or weakly modified diesel is significant
b = diesel range compounds are significant; no recognizable pattern
d = gasoline range compounds are significant
g = oil range compounds are significant
k = kerosene/kerosene range
m = fuel oil
n = stoddard solvent/mineral spirit
p = Analytical Method SW8260B
q = Analytical Method SW8021B/8015Cm

Table 2. Analytical Results for Metals - Former Standard Oil Station 30-4291, 3884 First St., Livermore, California

Sample ID	Sample Date	Sample Depth	Cadmium	Chromium	Lead	Mercury	Nickel	Zinc
EX3-1	3/8/2006	5.5	<1.5	**64**	**34**	NA	**200**	**45**
EX3-2	3/15/2006	9	<1.5	**67**	**6.2**	NA	**120**	**59**
EX3-3	3/15/2006	5	<1.5	**66**	**5.6**	NA	**170**	**74**
EX3-4	3/15/2006	10	<1.5	**76**	**8.8**	NA	**200**	**58**
EX3-5	3/15/2006	14	<1.5	**67**	**7.6**	NA	**180**	**50**
EX3-6	3/15/2006	7	NA	NA	NA	NA	NA	NA
EX3-7	3/15/2006	14	NA	NA	NA	NA	NA	NA
EX3-8	3/15/2006	7	NA	NA	NA	NA	NA	NA
EX3-9	3/15/2006	12	NA	NA	NA	NA	NA	NA
EX3-10	3/15/2006	14	NA	NA	NA	NA	NA	NA
EX3-11	3/15/2006	14	NA	NA	NA	NA	NA	NA
EX3-12	3/15/2006	10	NA	NA	NA	NA	NA	NA
EX3-13	3/15/2006	10	<1.5	**69**	**8.1**	NA	**180**	**48**
EX3-14	3/15/2006	8	NA	NA	NA	NA	NA	NA
EX3-15	3/15/2006	12	NA	NA	NA	NA	NA	NA
EX3-16	3/15/2006	8	NA	NA	NA	NA	NA	NA
EX3-17	3/15/2006	18	NA	NA	NA	NA	NA	NA
EX3-18	3/15/2006	12	NA	NA	NA	NA	NA	NA
EX3-19	3/15/2006	8	NA	NA	NA	NA	NA	NA
EX3-20	3/15/2006	14	NA	NA	NA	NA	NA	NA
EX3-21	3/15/2006	8	NA	NA	NA	NA	NA	NA
EX3-22	3/15/2006	14	NA	NA	NA	NA	NA	NA
EX3-23	3/15/2006	18	NA	NA	NA	NA	NA	NA
EX3-24	3/15/2006	16	NA	NA	NA	NA	NA	NA
EX3-25	3/15/2006	7	NA	NA	NA	NA	NA	NA
EX3-26	3/17/2006	8	NA	**84**	NA	NA	NA	NA
EX3-27	3/17/2006	18	NA	**100**	NA	NA	NA	NA
EX3-28	3/17/2006	9	NA	**84**	NA	NA	NA	NA
EX3-29	3/17/2006	18	NA	**78**	NA	NA	NA	NA
EX3-30	3/17/2006	9	NA	**96**	NA	NA	NA	NA
EX3-31	3/17/2006	18	NA	**92**	NA	NA	NA	NA
EX3-32	3/17/2006	9	NA	**78**	NA	NA	NA	NA
EX3-33	3/17/2006	18	NA	**96**	NA	NA	NA	NA
EX3-34	3/17/2006	18	NA	**74**	NA	NA	NA	NA

Abbreviations/Notes:

Luft 5 metals analyzed by EPA method 6010C

mg/kg = milligrams per kilogram.

<n = Results not detected above method detection limits n.

NA = Not analyzed.

ATTACHMENT A

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

JAN 26 2006

January 24, 2006

J. Mark Inglis
ChevronTexaco
6001 Bollinger Canyon Rd., K2256
P.O. Box 6012
San Ramon, CA 94583-2324

Mary Harvey
Hexcel Corporation
75 N. Mines Road
Livermore, CA 94550

Bruce Qvale
First Street LLC
3800 First Street
Livermore, CA 94550

Subject: Fuel Leak Case No. RO0002611, Livermore Honda, 3884 First Street, Livermore, CA

Dear Mr. Inglis, Mr. Qvale, and Ms. Harvey:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the subject site and the document entitled, "Workplan for Site Excavation," dated January 18, 2006. The work plan was prepared on behalf of Chevron Environmental Management Company by Cambria Environmental Technology, Inc and presents plans to excavate petroleum-impacted soil within three areas of the site. ACEH concurs with the proposed plan to excavate petroleum-impacted soil within three proposed areas of the site. However, high concentrations of petroleum hydrocarbons were also detected in shallow soil in the area of boring B-2. Therefore, soil excavation of the area around boring B-2 is required in addition to the three areas proposed in the Work Plan (please see technical comment 1).

We request that you address the following technical comments, perform the proposed work, and send us the reports requested below.

TECHNICAL COMMENTS

1. **Area of Boring B-2.** The boring log for boring B-2 describes petroleum odor in the soil from 2 to 15 feet below ground surface (bgs). The soil sample collected from a depth of 5 feet bgs in boring B-2 contained an estimated concentration of 40,000 milligrams per kilogram (mg/kg) of total recoverable petroleum hydrocarbons (TRPH). The soil sample collected from a depth of 10 feet bgs had an estimated concentration of 14,000 mg/kg of TRPH. Petroleum hydrocarbons were not detected in the soil sample collected at a depth of 15 feet bgs in boring B-2. Due to the elevated concentrations of petroleum hydrocarbons detected in shallow soil in the area of boring B-2, excavation is to be conducted to remove visibly stained and odorous shallow soil in the area surrounding boring B-2. Please present the results of soil excavation, removal, and confirmation sampling in the area of boring B-2 in the report requested below.

2. **Soil Confirmation Sampling.** The Work Plan indicates that, "Confirmation soil samples from sidewalls and the excavation base will be collected where soils appear clean." This statement is ambiguous and should be revised to, "*when* soils appear clean." In no case shall confirmation soil samples be collected preferentially from locations within the excavation where soils appear clean. The excavations are to be continued to remove areas of visibly stained and odorous soils to an extent that does not jeopardize worker or public safety prior to confirmation sampling. Confirmation soil samples are to be collected from the sidewalls at horizontal intervals no greater than 15 feet at approximate depths where soil contamination was previously observed in the excavation. The number of soil samples collected from the bottom of the excavation is to be based on the size of the excavation but should be no less than a minimum of four confirmation soil samples from the base of each excavation. Please present results of the soil confirmation sampling in the report requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Mr. Jerry Wickham), according to the following schedule:

- **May 3, 2006** – Soil Removal and Confirmation Sampling Report

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.

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) 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. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail

addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at jerry.wickham@acgov.org.

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, 6835, 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, later 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.

If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham, P.G.
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Laura Genin, Cambria Environmental Technology, Inc., 5900 Hollis Street, Suite A Emeryville, CA 94608

Robert Foss, Cambria Environmental Technology, Inc., 5900 Hollis Street, Suite A Emeryville, CA 94608

Matt Katen, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway Livermore, CA 94551

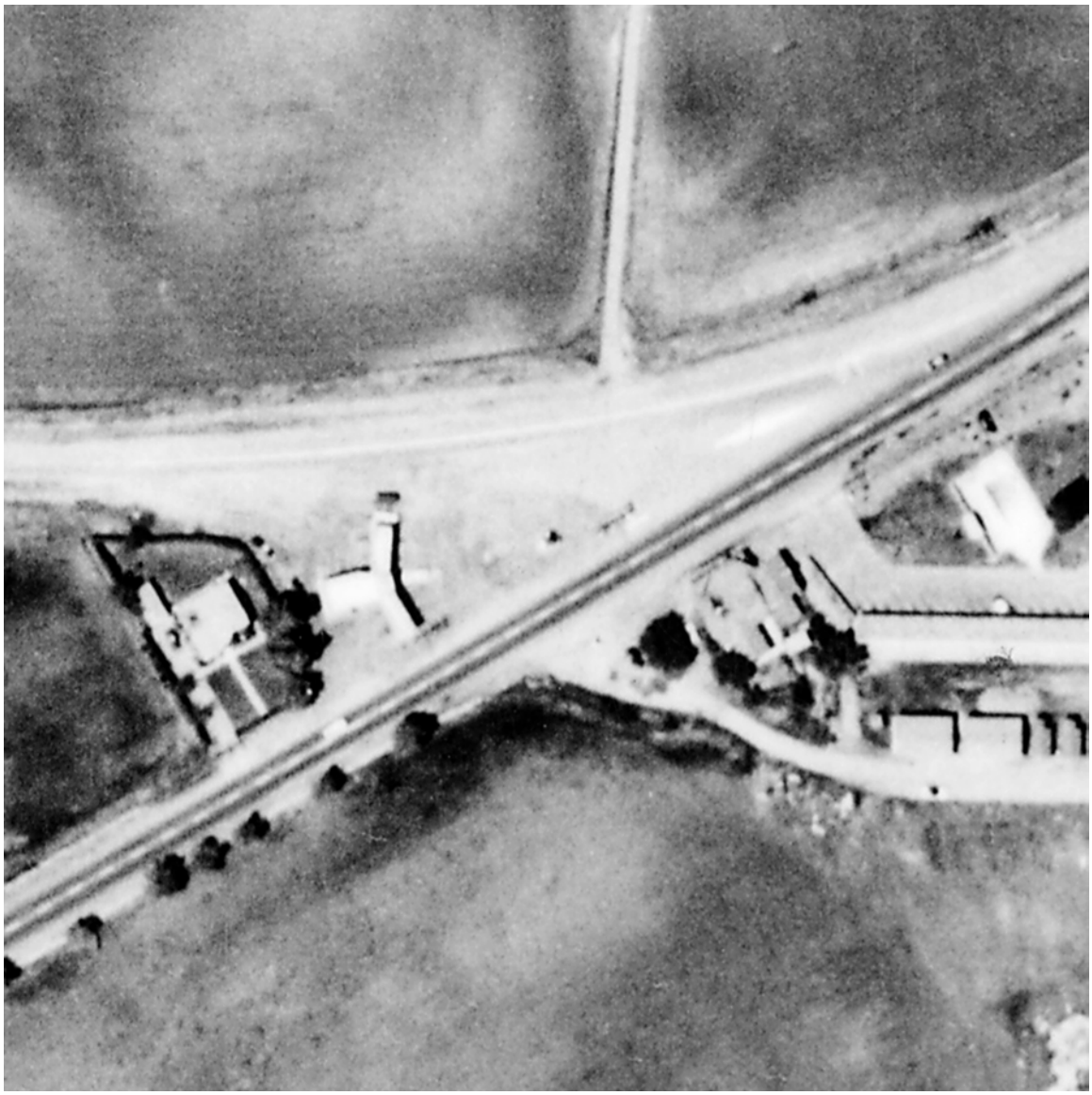
Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street Pleasanton, CA 9456

Stephen Clowdsley, Real Estate Consulting, 1561 Ramona Way, Alamo, CA 94507

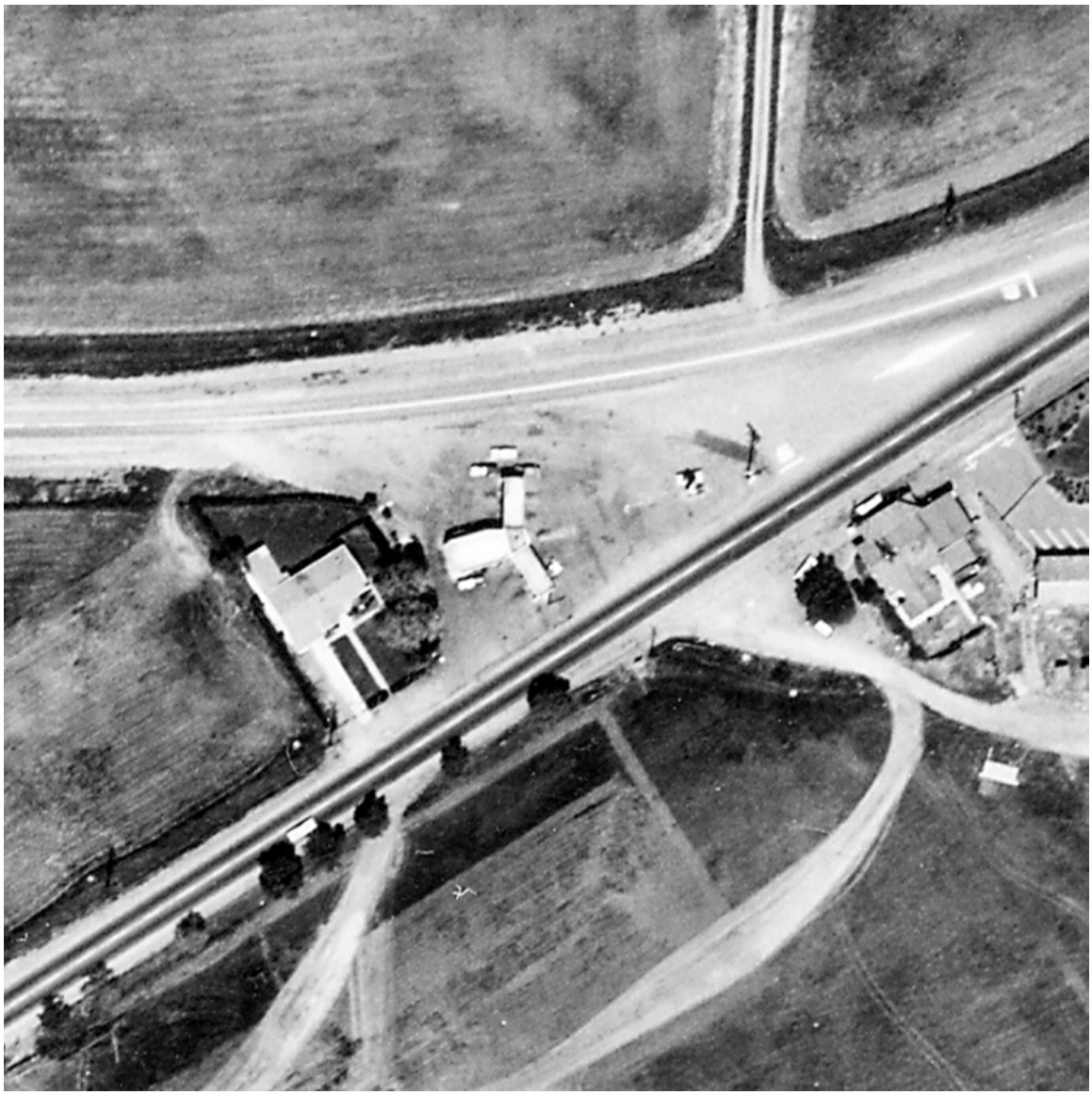
Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ATTACHMENT B

AEIRAL PHOTOGRAPHS

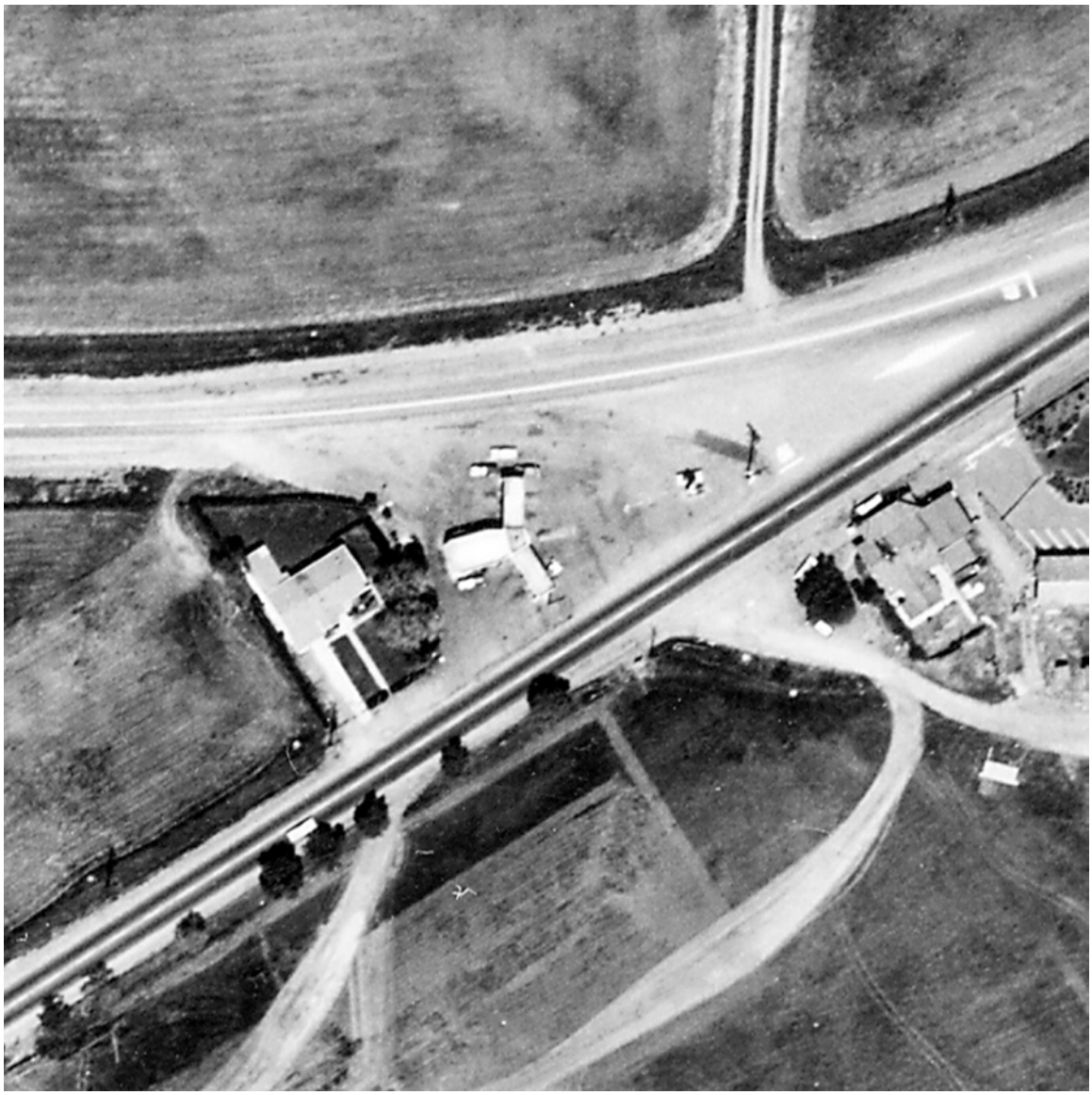


5/16/1957



4/16/1959

4/25/1966



5/16/1969

8/24/1973

5/5/1978

4/30/1980

5/7/1984

ATTACHMENT C

Historical Analytic Data

CAMBRIA

Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
B-7	4/4/2005	5.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
B-7	4/4/2005	15.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-7	4/4/2005	19.5	<10	NA	<1.0	0.001	0.003	<0.001	0.002	<0.0005	
B-7	4/4/2005	23.5									HOLD
B-7	4/4/2005	27.5									HOLD
B-8	4/4/2005	5.0	<10	NA	<1.0	<0.0005	**0.002**	**0.001**	**0.004**	<0.0005	disturbed
B-8	4/4/2005	11.5	**440**	NA	**1400**	<0.063	**2.5**	**6.8**	**35**	<0.063	
B-8	4/4/2005	15.5									HOLD
B-8	4/4/2005	19.5	26	NA	**2900**	**0.98**	**19**	7.7	**37**	<0.062	
B-8	4/4/2005	23.5									HOLD
B-8	4/4/2005	27.5	<10	NA	<1.0	**0.014**	**0.027**	**0.006**	**0.025**	<0.0005	
B-9	4/4/2005	5.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
B-9	4/4/2005	11.5	**1100**	NA	**1300**	**0.12**	**14**	**14**	**85**	<0.063	
B-9	4/4/2005	15.5									HOLD
B-9	4/4/2005	23.5									HOLD
B-9	4/4/2005	27.5	<10	NA	17	0.005	0.003	0.002	0.004	<0.0005	
B-10	4/4/2005	5.0									HOLD
B-10	4/4/2005	15.5	<10	NA	<1.0	0.002	0.005	<0.001	0.002	<0.0005	
B-10	4/4/2005	19.5	<10	NA	<1.0	0.0007	0.003	0.001	0.003	<0.0005	
B-10	4/4/2005	23.5									HOLD
B-10	4/4/2005	27.5									HOLD
B-11	4/4/2005	5.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
B-11	4/21/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-11	4/21/2005	15.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	

CAMBRIA

Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
B-11	4/21/2005	19.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-11	4/21/2005	23.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-12	4/4/2005	5.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	0.001	<0.0005	disturbed
B-12	4/4/2005	11.5	<10	NA	<1.0	0.0009	0.002	<0.001	0.001	<0.0005	
B-12	4/4/2005	15.5									HOLD
B-12	4/4/2005	19.5									HOLD
B-13	4/4/2005	5.0	<10	NA	<1.0	<0.0005	0.001	<0.001	0.001	<0.0005	disturbed
B-13	4/4/2005	11.5	<10	NA	<1.0	<0.0005	0.001	<0.001	0.001	<0.0005	
B-13	4/4/2005	15.5									HOLD
B-13	4/4/2005	19.5	<10	NA	<1.0	0.0005	0.001	<0.001	0.001	<0.0005	
B-13	4/4/2005	23.5									HOLD
B-13	4/4/2005	27.5									HOLD
B-13	4/4/2005	29.5									HOLD
B-14	4/4/2005	5.0	83	NA	<1.0	<0.0005	0.001	0.001	0.004	<0.0005	disturbed
B-14	4/21/2005	15.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-15	4/21/2005	5.0	15	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
B-15	4/21/2005	11.5	19	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-15	4/21/2005	19.0	69	NA	6.4	<0.0005	<0.001	0.22	<0.001	<0.0005	
B-16	4/21/2005	5.0	30	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
B-16	4/21/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-16	4/21/2005	15.5	74	NA	94	0.09	<0.001	2.8	0.8	<0.0005	
B-17	4/21/2005	5.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed

CAMBRIA

Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
B-17	4/21/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-17	4/21/2005	15.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-17	4/21/2005	19.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-17	4/21/2005	23.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-17	4/21/2005	27.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-17	4/21/2005	31.5	11	NA	44	0.007	<0.005	0.073	<0.008	<0.003	
B-18	4/21/2005	5.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
B-18	4/21/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-18	4/21/2005	15.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-18	4/21/2005	19.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-18	4/21/2005	23.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-18	4/21/2005	27.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-19	4/21/2005	5.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
B-19	4/21/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-19	4/21/2005	15.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-20	4/21/2005	5.0	**400**	NA	**66**	<0.003	<0.005	<0.005	<0.005	<0.003	disturbed
B-20	4/21/2005	11.5	**1100**	NA	**160**	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-20	4/21/2005	15.0	**820**	NA	**1900**	<0.0005	<0.001	<0.001	**0.006**	<0.0005	
B-21	4/22/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-21	4/22/2005	15.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-22	4/21/2005	5.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
B-22	4/22/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-22	4/22/2005	15.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	

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Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
B-23	4/22/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-23	4/22/2005	15.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-24	4/22/2005	11.5	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-24	4/22/2005	16.5									HOLD
B-24	4/22/2005	21.0									HOLD
B-24	4/22/2005	26.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-24	4/22/2005	31.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
B-24	4/22/2005	36.0									HOLD
B-24	4/22/2005	41.0	<10	NA	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	5-5.5	<10	<23d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-1	9/8/2005	10.0-10.5	<10	<26d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	15.0-15.5	<10	<21d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	20.0-20.5	<10	<24d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	25.0-25.5	<10	<24d	11	<0.002	<0.005	<0.005	<0.005	<0.002	
CPT-1	9/8/2005	30.0-30.5	<10	<26d	<1.0a	0.0008	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	40.0-40.5	<10	<25d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	50.0-50.5	<10	<26d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	60.0-60.5	<10	<24d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	70.0-70.5	<10	<28d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-1	9/8/2005	80.0-80.5	<20d	<30d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-2	9/8/2005	5.0-5.5	23	220	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-2	9/12/2005	10.5-11.0	<10	<10	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-2	9/12/2005	15.5-16.0	<10	<14d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-2	9/12/2005	20.5-21.0									HOLD
CPT-2	9/12/2005	25.5-26.0	<10	<13d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	

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Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
CPT-2	9/12/2005	31.5-32.0									HOLD
CPT-2	9/12/2005	40.5-41.0	<10	<11d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-2	9/12/2005	50.5-51.0									HOLD
CPT-3	9/8/2005	5.0-5.5	<10	<35d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-3	9/8/2005	11.5-12.0	40	79	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-3	9/8/2005	15.5-16.0	24c	<200d	59ab	**1.3**	0.98	**4.0**	**14**	<0.062	
CPT-3	9/8/2005	20.5-21.0	<10	<30d	55ab	0.015	0.017	0.16	0.62	<0.003	
CPT-3	9/8/2005	30.0-30.5	<10	<30d	1.6a	0.001	<0.001	<0.001	<0.001	<0.0005	
CPT-3	9/8/2005	40.0-40.5	<10	<30d	3.0a	**0.12**	0.038	0.038	0.14	<0.0005	
CPT-3	9/8/2005	50.0-50.5	<20d	<30d	<1.0a	**0.052**	<0.001	<0.001	<0.001	<0.0005	
CPT-3	9/8/2005	60.0-60.5	<10	<30d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-4	9/8/2005	5.0-5.5	<10	<27d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-4	9/12/2005	10.5-11.0	<10	<12d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-4	9/12/2005	15.5-16.0	<10	<13d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-4	9/12/2005	20.5-21.0									HOLD
CPT-4	9/12/2005	25.5-26.0	<10	<17d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-4	9/12/2005	30.5-31.0									HOLD
CPT-4	9/12/2005	39.5-40.0									HOLD
CPT-4	9/12/2005	50.5-51.0									HOLD
CPT-4	9/12/2005	60.5-61.0									HOLD
CPT-5	9/8/2005	4.5-5.0	<10	<30d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-5A	9/15/2005	9.5-10.0									HOLD
CPT-5A	9/15/2005	14.5-15.0	<10	<10	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-5A	9/15/2005	19.5-20.0									HOLD
CPT-5A	9/15/2005	24.5-25.0	<13d	<10	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-5A	9/15/2005	29.5-30.0									HOLD

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Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
CPT-5A	9/15/2005	39.5-40.0	<10	<10	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-5A	9/15/2005	54.5-55.0									HOLD
CPT-6	9/15/2005	3.5-4.0	44c	160	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-6	9/15/2005	9.5-10.0	<10	<41d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-6	9/15/2005	14.5-15.0	<10	<16d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-6	9/15/2005	19.5-20.0									HOLD
CPT-6	9/13/2005	24.5-25.0	<10	<63d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-6	9/13/2005	29.5-30.0									HOLD
CPT-6	9/13/2005	40.5-41.0	<10	<67d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-7	9/12/2005	5.0-5.5	<10	<35d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-7	9/13/2005	10.0-10.5	<10	<13d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-7	9/13/2005	15.0-15.5									HOLD
CPT-7	9/13/2005	20.5-21.0	<10	<18d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-7	9/13/2005	25.5-26.0									HOLD
CPT-7	9/13/2005	30.5-31.0									HOLD
CPT-7	9/13/2005	39.5-40.0									HOLD
CPT-7	9/13/2005	49.5-50.0									HOLD
CPT-8	9/8/2005	4.5-5.0	<10	<30d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-8	9/13/2005	10.0-10.5	<10	<11d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-8	9/13/2005	15.0-15.5	<10	<18d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-8	9/13/2005	20.0-20.5	<10	<10	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-8	9/13/2005	25.0-25.5									HOLD
CPT-8	9/13/2005	30.0-30.5	<10	<21d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-8	9/13/2005	40.0-40.5	<10	<12d	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-8	9/13/2005	50.5-51.0									HOLD

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Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
CPT-9	9/8/2005	5.0-5.5	<10	34	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-9	9/16/2005	10.5-11.0	<10	NA	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-9	9/16/2005	15.5-16.0									HOLD
CPT-9	9/16/2005	20.5-21.0	<10	NA	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-9	9/16/2005	25.5-26.0	<10	NA	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-9	9/16/2005	30.5-31.0									HOLD
CPT-9	9/16/2005	40.5-41.0	<10	NA	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-10	9/14/2005	10.0-10.5	<10	<10	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-10	9/14/2005	15.0-15.5	<10e	NA	<1.0e	<0.0005e	<0.001e	<0.001e	<0.001e	<0.0005e	
CPT-10	9/14/2005	20.0-20.5	<10e	NA	<1.0e	<0.0005e	<0.001e	<0.001e	<0.001e	<0.0005e	
CPT-10	9/14/2005	25.0-25.5	<10	<10	<1.0a	0.029	<0.001	<0.001	<0.001	<0.0005	
CPT-10	9/14/2005	30.0-30.5									HOLD
CPT-10	9/14/2005	40.0-40.5	<10	<10	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-11	9/14/2005	4.5-5.0	27c	170	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-11	9/19/2005	10.5-11.0									HOLD
CPT-11	9/19/2005	15.5-16.0									HOLD
CPT-11	9/19/2005	19.5-20.0	<10		<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-11	9/19/2005	25.5-26.0									HOLD
CPT-11	9/19/2005	30.5-31.0									HOLD
CPT-11	9/19/2005	40.5-41.0	<10		<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-11	9/19/2005	48.5-49.0									HOLD
CPT-11	9/19/2005	60.5-61.0									HOLD
CPT-11	9/19/2005	71.5-72.0									HOLD
CPT-12	9/14/2005	4.5-5.0	**22c**	**62**	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	disturbed
CPT-12	9/16/2005	10.0-10.5	**120c**	NA	**1,000ab**	<0.062	<0.12	<0.12	<0.12	<0.062	
CPT-12	9/16/2005	15.5-16.0	**330c**	NA	**3,500ab**	**0.13**	<0.13	**9.4**	**4.7**	<0..063	

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Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
CPT-12	9/16/2005	20.5-21.0	70c	NA	**580ab**	<0.063	<0.13	1.5	<0.13	<0.063	
CPT-12	9/16/2005	25.5-26.0	49c	NA	**550ab**	<0.0005	<0.001	0.021	<0.001	<0.0005	
CPT-12	9/16/2005	30.5-31.0	**150cd**	NA	**1,600ab**	**0.067**	<0.13	0.94	0.14	<0.063	
CPT-12	9/16/2005	40.5-41.0	<10	NA	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	
CPT-12	9/16/2005	50.5-51.0	<10d	NA	<1.0a	0.001	<0.001	0.002	<0.001	<0.0005	
CPT-12	9/16/2005	60.5-61.0	<10	NA	<1.0a	<0.0005	<0.001	<0.001	<0.001	<0.0005	

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Groundwater Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Sample	Date Sampled	Depth (feet)	TPHd (ug/L)	TPHd with Silica Gel (ug/L)	TPHmo (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)
B-7	4/4/2005	--	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5
B-9	4/4/2005	--	NA	NA	NA	**78000**	**13000**	**20000**	**2200**	**6000**	<25
B-10	4/4/2005	--	**2600**	NA	NA	**1900**	**7700**	**46**	**360**	**270**	<10
B-15	4/21/2005	--	**920**	NA	NA	**82**	**1**	**1**	**2**	**3**	<0.5
B-16	4/20/2005	--	**410**	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5
B-17	4/20/2005	--	**2200**	NA	NA	**4300**	**17**	**2**	**41**	**64**	<0.5
B-18	4/20/2005	--	**380**	NA	NA	<100	<0.5	**9**	**0.6**	**3**	<0.5
B-24	4/20/2005	--	<290	NA	NA	**180**	<0.5	<0.5	<0.5	<0.5	<0.5
CPT-1-W-45	9/8/2005	43-45	**420**	**370**	NA	**66**	**4**	<0.5	<0.5	<0.5	<0.5
CPT-3-W-43	9/9/2005	41-43	**3,300**	**2,900**	NA	**13,000**	**1,600**	**240**	**640**	**660**	<3.0
CPT-4-W-44	9/12/2005	40-44	**210bc**	**220bc**	**210e**	<50a	<0.5	<0.5	<0.5	<0.5	<0.5
CPT-6-W-48	9/13/2005	44-48	**80bc**	**92bc**	**85e**	<50a	**2**	<0.5	<0.5	<0.5	<0.5
CPT-7-W-35	9/13/2005	31-35	**340cf**	**NA**	**410e**	<50ad	<0.5	<0.5	<0.5	<0.5	<0.5
CPT-7-W-55	9/13/2005	51-55	NA	NA	NA	<50	NA	NA	NA	NA	NA
CPT-8-W-56	9/14/2005	51-56	**160bc**	**100bc**	**170e**	<50a	<0.5	<0.5	<0.5	<0.5	<0.5
CPT-9-W-45	9/16/2005	41-45	NA	NA	NA	<50a	<2	<2	<2	<2	<2
CPT-11-W-45	9/16/2005	41-45	**330f**	NA	**190e**	<50a	<2	<2	<2	<2	<2
CPT-12-W-26	9/16/2005	26-30	**14000e**	**15000ce**	**4500e**	**9800a**	**73**	**4**	**110**	**6**	<2
CPT-12-W-40	9/16/2005	36-40	NA	NA	NA	**6600a**	**120**	<2	**51**	**5**	<2

Abbreviations / Notes

TPHg - Total petroleum hydrocarbons
TPHd - Total petroleum hydrocarbons
TPHmo - Total petroleum
MTBE - Methyl tertiary butyl ether
MTBE by EPA Method 8260B
ND<X = not detected at or above laboratory detection limit
NA = not applicable. Samples not analyzed for the choosen constituent due to slow recharge of groundwater.
a - The reported concentrations of TPHg does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPHg range start time.
b - Due to the nature of the sample matrxi, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.
c - The observed sample pattern includes #2 fuel/diesel and an additional pattern which eludes later in the DRO range.
d - The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the Analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of the sample was pH = 7.
e - Due to insufficent sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits obtainable.
f - Due to limited sample volume, the sample was not analyzed with a silica gel cleanup.

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Table 1. Soil Vapor Analytic Results - Former Chevron Station 30-4291, 3884 1st Street, Livermore CA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg uG/m3	B uG/m3	T uG/m3	E uG/m3	m,p-X uG/m3	o-X uG/m3	MTBE uG/m3	2-Propanol uG/m3
CPT-5A	9/15/2005	9.5	960	<26	<31	<36	<36	<36	<30	<20
CPT-5A	9/15/2005	15	1,100	<25	38	<38	<38	<38	<32	<22
CPT-5A	9/15/2005	20	1,100	<25	40	<34	<34	<34	<28	<19
CPT-8*	9/14/2005	9.5	**460,000**	**<16,000**	<19,000	<22,000	<22,000	<22,000	**<18,000**	920,000
CPT-8	9/14/2005	15	1,000	<28	<33	<38	<38	<38	<32	62
CPT-8	9/14/2005	20	4,700	<27	<32	<37	<37	<37	<31	<21
CPT-10	9/14/2005	9.5	1,400	<25	<29	<34	<34	<34	<28	350
CPT-10	9/14/2005	15	830	<26	<30	<35	<35	<35	<26	170
CPT-10	9/14/2005	20	2,300	<26	<31	<36	<36	<36	<30	41
CPT-2	9/14/2005	9.5	3,200	40	48	<39	<39	<39	<32	<22
CPT-2	9/14/2005	15	1,100	<26	<31	<36	<36	<36	<30	<20
CPT-2	9/14/2005	20	900	<28	<34	<39	<39	<39	<32	<22
CPT-3	9/9/2005	9.5	4,200	<30	68	<40	<41	<41	<34	<23
CPT-3	9/9/2005	15	**410,000**	**220,000**	3,800	4,900	8,800	1,200	<37	<25
CPT-3	9/9/2005	20	**640,000**	**58,000**	7,500	3,600	6,200	860	<120	<81
CPT-4	9/12/2005	9.5	2,600	<29	<34	<40	<40	<40	<33	<22
CPT-4	9/12/2005	15	1,100	<25	<30	<34	<34	<34	<28	<19
CPT-4	9/12/2005	20	1,100	<25	<29	<34	<34	<34	<28	<19
Shallow Soil Gas Screening Levels		Residential	26000	85	63,000	420,000	150,000	150,000	9,400	--
		Commercial	72000	290	180,000	1,200,000	410,000	410,000	31,000	--

Abbreviations/Notes:

ug/m3 - micrograms per meter cubed.

* Reporting limits were raised due to exceeding amount of field equipment check 2-Propanol.

Shallow Soil Gas Screening Levels based on *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* , Table E-2. Shallow Soil Gas Screening levels for Evaluation of Potential Vapor Intrusion Concerns, Regional Water Quality Control Board San Francisco Bay Region, February 2005.

Bold annalytes were detected above the Shallow Soil Gas Screening Levels for Residential Use.

<x.xxx = Not detected above method detection limit

fbg = Feet below grade

CAMBRIA

Soil Analytical Data - Former Chevron Station 30-4291 3884 First Street, Livermore, California

Boring	Date Sampled	Depth Sampled	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	Notes
ESL's for soils <3fbg (Residential)			100	500	100	0.044	2.9	3.3	2.3	0.023	
ESL's for soils >3fbg (Residential)			100	500	100	0.044	2.9	3.3	2.3	0.023	

Abbreviations / Notes

TPHg - Total petroleum hydrocarbons as gasoline
TPHd - Total petroleum hydrocarbons as diesel
TPHmo - Total petroleum hydrocarbons as motor oil
MTBE - Methyl tertiary butyl ether
TPHg by EPA Method 8015
TPHd by EPA Method 8015
BTEX by EPA Methods 8060B
MTBE by EPA Methods 8260B
ND<X = not detected at or above laboratory reporting limit
NA = not analyzed for constituent.
Sample depths listed in approximate feet below grade (fbg).
a - The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. The reported concentration of TPHg does not include MTBE or ther gasoline constituents eluting prior C6 (n-hexane) TPHg range start time.
b - A poor surrogate recovery was observed due to the dilution needed to perform the analysis.
c - The observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.
d - Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits possible.
e - Samples were analyzed outside of holding time.
HOLD - Samples were collected and sent to the laboratory, but no analysis was performed.

ATTACHMENT D

Boring Logs

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-10
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	04-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	05-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	26.0 ft (05-Apr-05) ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt; cleared to 8 fbg with air knife.	0.4	
					ML		**Sandy SILT with Gravel** Brown; dry; 70% silt, 15% sand, 10% gravel, 5% clay; low plasticity; moderate estimated permeability.		
		B10@5		5	ML		**Gravelly Sandy SILT** Dark brown; dry; 50% silt, 30% sand, 20% gravel; low plasticity; high estimated permeability.	5.0	
					ML		No recovery from 8-12 fbg.	8.0	
				10	ML		**Sandy Gravelly SILT** Light brown; dry; 50% silt, 25% sand, 25% gravel; high estimated permeability.	10.0	
					ML		**Clayey SILT**: Brown; dry; 80% silt, 20% clay; low-moderate plasticity; moderate estimated permeability.	14.5	Portland Type I/II
		B10@ 15.5		15	ML		**SILT with Clay and Sand** Brown; dry; 80% silt, 10% clay, 10% coarse sand; low plasticity; low estimated permeability.	18.0	
		B10@ 19.5		20	ML		**Clayey SILT with Sand** Gray brown; dry; very stiff; 70% silt, 20% clay, 10% coarse sand; low plasticity; low estimated permeability.	23.0	
		B10@ 23.5		25	ML				
							▽	26.0	
					CL		**Sandy Silty CLAY** Gray brown; wet; 40% clay, 35% silt, 25% sand; medium plastic; high estimated permeability.	27.5	
		B10@ 27.5			ML		**Clayey SILT with Sand** Brown; dry; 70% silt, 20% clay, 10% sand; low plasticity; moderate estimated permeability.	28.0	Bottom of Boring @ 28 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-11
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	05-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	05-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt; cleared to 8 fbg with air knife.	0.4	
		B11@5		5	ML		**SILT with Clay and Gravel**: Brown; dry; 80% silt, 10% clay, 10% gravel; moderate plasticity; moderate estimated permeability.		
					CL		**Silty CLAY**: Brown; dry; 60% clay, 40% silt; moderate plasticity; moderate estimated permeability.	8.0	
		B11@ 11.5		10			**Clayey SILT**: Brown; dry; moderately stiff; 60% silt, 40% clay; moderate plasticity; moderate estimated permeability.	10.0	Portland Type I/II
		B11@ 15.5		15	ML				
		B11@ 19.5		20					
		B11@ 23.5						24.0	Bottom of Boring @ 24 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-12
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	05-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	05-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt; cleared to 8 fbg with air knife.	0.4	
							SILT with Clay and Gravel: Brown; dry; 80% silt, 10% clay, 10% gravel; low plasticity; moderate estimated permeability.		
		B12@5		5	ML				
							Clayey SILT: Tan; dry; 80% silt, 20% clay; low plasticity; moderate estimated permeability.	8.0	Portland Type I/II
		B12@ 11.5		10	ML				
							Clayey SILT: Medium brown; moist; soft; 75% silt, 25% clay; low plasticity; moderate estimated permeability.	13.0	
		B12@ 15.5		15	ML				
		B12@ 19.5		20				20.0	Bottom of Boring @ 20 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-13
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	0.4	
					ML		**Clayey SILT with Gravel** Brown; moist; 80% silt, 15% clay, 5% gravel; low plasticicity, moderate estimated permiablility.		
		B13@5		5					
					ML		**SILT with Clay and Gravel** Brown; dry; 80% silt, 10% clay, 10% gravel; moderate plasticity; moderate estimated permeability.	8.0	
				10			**Clayey SILT with Sand** Brown; dry, 60% silt, 30% clay, 10% gravel, low plastic, moderate estimated permiability.	10.0	
		B13@ 11.5							
		B13@ 15.5		15					Portland Type I/II
					ML				
		B13@ 19.5		20					
		B13@ 23.5		25					
		B13@ 27.5						29.0	
		B13@ 29.5		30	ML		**SILT**: Orange Brown; dry; 95% silt, trace clay; non plastic to low plastic, very low estimated permiablility.	30.0	Bottom of Boring @ 30 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-14
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	05-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	05-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt; cleared to 8 fbg with air knife.	0.4	
		B14@5		5	ML		**SILT with Clay and Gravel**: Brown; dry; 80% silt, 10% clay, 10% gravel; low plasticity; moderate estimated permeability.		
				10			No recovery from 8-12 fbg.	8.0	Portland Type I/II
								12.0	
		B14@1 5		15	ML		**Clayey SILT**: Brown; slightly moist; moderately stiff; 50% silt, 50% clay; moderate plasticity; moderate estimated permeability.		
							Refusal @ 16 fbg	16.0	Bottom of Boring @ 16 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-15
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	20-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	21-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	6.0 ft (20-Apr-05)
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	16.00ft (21-Apr-05)
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Boring located in area landscaped with sand, large rocks and shrubs; cleared to 8 fbg with air knife.		
							Gravelly SILT: Brown; dry; some asphalt chunks; 70% silt, 20% gravel, 10% clay; moderate estimated permeability.	1.0	
		B15@5		5	ML				
					ML		**Clayey SILT**: Gray; dry; 60% silt, 40% clay; low plasticity; moderate estimated permeability.	8.0	
				10	CL		**Silty CLAY**: Brown; dry; 60% clay, 40% silt; moderate plasticity; moderate estimated permeability.	9.5	Portland Type I/II
		B15@ 11.5			SC		**SAND with Clay and Silt**: Brown; wet; 80% coarse sand, 10% silt, 10% interbedded clay; high estimated permeability.	11.0	
		B15@1 4		15	ML		**Clayey SILT**: Gray green; moist; 50% silt, 50% clay; moderate plasticity; moderate estimated permeability.	14.0	
							Stopped @ 19 fbg -- water in hole.	19.0	Bottom of Boring @ 19 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-16
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	20-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	21-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	8.0 ft (20-Apr-05)
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	16.00ft (21-Apr-05)
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Boring located in area landscaped with sand, large rocks and shrubs; cleared to 8 fbg with air knife.	1.0	
					ML		**Sandy SILT with Clay** Brown orange; dry; soft; 60% silt, 20% sand, 10% clay, 10% gravel; moderate estimated permeability.	3.0	
							Clayey SILT with Gravel Orange; dry; 70% silt, 20% clay, 10% gravel; low plasticity; moderate estimated permeability.		
		B16@5		5	ML				
							Very little recovery from 8-12 fbg; mostly silt; very wet.	8.0	Portland Type I/II
				10	ML				
		B16@ 11.5						12.0	
					CL		**Silty CLAY**: Dark gray; moist; 75% clay, 25% silt; moderate plasticity; moderate estimated permeability.		
		B16@ 15.5		15					
								16.0	
							Stopped @ 16 fbg -- water in hole.		Bottom of Boring @ 16 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-17
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	20-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	21-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	26.0 ft (21-Apr-05) ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Boring located in area landscaped with sand, large rocks and shrubs; cleared to 8 fbg with air knife.	1.0	
					ML		**Clayey SILT with Gravel** Dark brown; dry; 70% silt, 15% clay, 10% gravel, 5% sand; low plasticity; moderate estimated permeability.	2.0	
					ML		**Sandy SILT**: Light brown; dry; crumbly; 80% silt, 15% sand, 5% clay; moderate estimated permeability.	4.0	
		B17@5		5	ML		**Clayey SILT with Gravel** Dark brown; dry; 70% silt, 20% clay, 10% gravel, moderate estimated permeability.		
								8.0	
					ML		**SILT with Sand, Clay and Gravel** Dark brown; dry; 70% silt, 10% sand, 10% clay, 10% gravel; moderate estimated permeability.		
				10				11.0	
		B17@ 11.5			ML		**Sandy Gravelly SILT** Light brown; dry; 45% silt, 25% sand, 25% gravel, 5% clay; high estimated permeability.		
					ML		**Clayey, Gravelly SILT with Sand** Brown; dry; 50% silt, 25% gravel, 15% clay, 10% sand; moderate estimated permeability.	13.0	
					ML		**Clayey SILT**: Olive; dry; 75% silt, 20% clay, 5% coarse sand; low plasticity; moderate estimated permeability.	14.5	
				15	ML		**SILT**: Gray; dry; 95% silt, 5% clay; low plasticity; moderate estimated permeability.	15.0	
		B17@ 15.5					**Clayey SILT**: Light gray; dry; smooth; 75% silt, 25% clay; low plasticity; moderate estimated permeability.	16.0	◄ Portland Type I/II
		B17@ 19.5		20	ML				
		B17@ 23.5		25					
								26.0 ▽	
					SM		**Silty SAND**: Gray brown; wet; 50% sand, 50% silt; high estimated permeability.	27.0	
		B17@ 27.5					**Clayey SILT**: Light brown; dry; stiff; 50% silt, 45% clay, 5% sand; low plasticity; low estimated permeability.		
				30	ML				
		B17@ 31.5						32.0	Bottom of Boring @ 32 ft

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-18
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	20-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	21-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	24.0 ft (21-Apr-05) ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Boring located in area landscaped with sand, large rocks and shrubs; cleared to 8 fbg with air knife.	1.0	
					ML		**Gravelly, Sandy SILT** Tan; dry; 60% silt, 20% gravel, 20% sand; high estimated permeability.	3.0	
		B18@5		5	ML		**Clayey SILT with Gravel** Orange; dry; stiff; 60% silt, 30% clay, 10% gravel; low plasticity; moderate estimated permeability.	8.0	
				10	CL		**Silty CLAY**: Medium brown; dry; moderately stiff; 60% clay, 40% silt; moderate plasticity; low estimated permeability.	12.0	
		B18@ 11.5					**Clayey SILT**: Dark brown; dry; 60% silt, 40% clay; low plasticity; low estimated permeability.		Portland Type I/II
		B18@ 15.5		15	ML				
		B18@ 19.5		20					
		B18@ 23.5					▽	24.0	
				25	CL		**Silty CLAY with Sand** Gray brown; wet; soft; 50% clay, 40% silt, 10% sand; low-moderate plasticity; moderate estimated permeability.		
		B18@ 27.5						28.0	Bottom of Boring @ 28 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-19
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	21-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	21-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt; cleared to 8 fbg with air knife.	0.4	
							Gravelly, Sandy SILT Brown; dry; 60% silt, 20% gravel, 20% sand; high estimated permeability.		
					ML				
		B19@5		5					
								8.0	Portland Type I/II
							Clayey SILT: Brown; dry; 50% silt, 45% clay, 5% sand; low- medium plasticity; moderate estimated permeability.		
				10	ML				
		B19@ 11.5						12.0	
							Clayey SILT: Brown; dry; very stiff; 75% silt, 25% clay; low plasticity; low estimated permeability.		
					ML				
				15					
		B19@ 15.5						16.0	Bottom of Boring @ 16 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-20
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	21-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	21-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt; cleared to 8 fbg with air knife.	0.4	
							Gravelly SILT: Orange brown; dry; 70% silt, 25% gravel, 5% clay; high estimated permeability.		
					ML				
		B20@5		5					
							Clayey SILT: Gray brown; dry; very stiff; 50% silt, 50% clay; low plasticity; low estimated permeability.	8.0	Portland Type I/II
				10					
		B20@ 11.5			ML				
							Change in color at 13.5 fbg to Dark Gray.		
		B20@1 5		15				16.0	Bottom of Boring @ 16 ft

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-21
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	22-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	22-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Dan Glaze	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt.	0.4	
							Gravelly SILT: Orange brown; dry; 70% silt, 25% gravel, 5% clay; high estimated permeability.		
		B21@5		5	ML				
								8.0	Portland Type I/II
							Gravelly, Silty CLAY with Sand Reddish brown; dry; stiff; 40% clay, 25% silt, 20% gravel, 15% sand; moderate estimated permeability.		
				10	CL				
		B21@ 11.5					**Silty CLAY**: Reddish brown; dry; stiff; 60% clay, 40% silt; moderate plasticity; low estimated permeability.	11.0	
					CL				
					CL			14.0	
				15			**Gravelly Silty CLAY with Sand** Brown; dry; stiff; 40% clay, 25% silt, 20% gravel, 15% sand; high estimated permeability.	15.0	
					CL				
		B21@ 15.5					**Silty CLAY**: Brown; dry; stiff; 60% clay, 40% silt; moderate plasticity; low estimated permeability.	16.0	Bottom of Boring @ 16 ft

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-22
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	22-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	22-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Dan Glaze	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt.	0.4	
							Gravelly SILT: Orange brown; dry; 70% silt, 25% gravel, 5% clay; high estimated permeability.		
					ML				
		B22@5		5					
								8.0	Portland Type I/II
					CL		**Gravelly, Silty CLAY with Sand** Reddish brown; dry; stiff; 40% clay, 25% silt, 20% gravel, 15% sand; moderate estimated permeability.		
				10					
								11.0	
		B22@ 11.5			CL		**Silty CLAY**: Reddish brown; dry; stiff; 60% clay, 40% silt; low-moderate plasticity; low estimated permeability.		
								13.0	
					CL		**Gravelly, Silty CLAY with Sand** Brown; dry; stiff; 40% clay, 30% silt, 20% gravel, 10% sand; high estimated permeability.	14.0	
				15	CL		**Silty CLAY**: Brown; dry; stiff; 60% clay, 40% silt; moderate plasticity; low estimated permeability.		
		B22@ 15.5						16.0	Bottom of Boring @ 16 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-23
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	22-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	22-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Dan Glaze	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt. Cleared to 8 fbg with air knife.	0.4	
				5					
								8.0	Portland Type I/II
					CL		**Gravelly, Silty CLAY with Sand** Brown; dry; stiff; 40% clay, 25% silt, 20% gravel, 15% sand; low estimated permeability.	10.0	
				10	CL		**Gravelly, Silty CLAY** Brown; dry; stiff; 45% clay, 30% silt, 25% gravel; low plasticity; high estimated permeability.	11.0	
		B23@ 11.5			CL		**Gravelly, Silty CLAY** Brown; dry; stiff; 40% clay, 30% silt, 25% gravel, 5% sand; low plasticity; high estimated permeability.		
				15				15.0	
		B23@ 15.5			CL		**Silty CLAY**: Brown; dry; stiff; 65% clay, 35% silt; moderate plasticity; low estimated permeability.	16.0	Bottom of Boring @ 16 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-24
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	22-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	22-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	8"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Dan Glaze	**DEPTH TO WATER (First Encountered)**	30.0 ft (22-Apr-05)
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	33.00ft (22-Apr-05)
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt.	0.4	
					ML		**Gravelly SILT**: Orange brown; dry; 70% silt, 25% gravel, 5% clay; high estimated permeability.		
				5					
							Clayey SILT: Light brown; dry; stiff; 70% silt, 30% clay; low plasticity; moderate estimated permeability.	8.0	
				10					
		B24@ 11.5							
				15	ML				
		B24@1 6							
				20					Portland Type I/II
		B24@2 1					**Clayey SILT with Gravel**: Light brown; dry; stiff; 60% silt, 30% clay, 10% gravel; low-medium plasticity; moderate estimated permeability.	22.0	
				25	ML				
		B24@ 25.5					**Silty Gravelly CLAY**: Brown gray; dry; stiff; 50% clay, 30% silt, 20% gravel; moderate estimated permeability.	26.0	
				30	CL		▽		
		B24@3 1					**Silty CLAY**: Brown; moist; stiff; 60% clay, 40% silt; moderate plasticity; low estimated permeability.	31.0	
				35			▼		

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-24
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	22-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	22-Apr-05

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
		B24@3 6			CL				
				40					
		B24@4 1						41.5	Bottom of Boring @ 41.5 ft

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-7
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	04-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	04-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	23.5 ft (04-Apr-05) ▽
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt; cleared to 8 fbg with hand auger.	0.4	
							Gravelly Sandy SILT Brown; dry; 50% silt, 25% sand; 25% gravel; moderate estimated permeability.		
					ML				
		B7@5		5					
								8.0	
							No recovery from 8'-12' due to rock in shoe of geoprobe.		
				10					
								12.0	
							SILT with Clay Brown; dry; 90% silt, 10% clay; low plasticity; low estimated permeability; stiffer w/slightly more clay from 14'-16'.		
					ML				Portland Type I/II
		B7@15		15					
								16.0	
							Clayey SILT Brown; dry; very stiff; 80% silt, 20% clay; low-moderate plasticity; low estimated permeability.		
					ML				
		B7@19 .5		20				20.0	
					ML		**SILT with Clay** Brown; dry; 90% silt, 10% clay; low plasticity; low estimated permeability.		
								22.0	
					ML		**Gravelly SILT** Light gray; moist; 80% silt, 15% gravel; 5% clay; moderate estimated permeability.	23.5 ▽	
		B7@23 .5					**Sandy SILT** Light gray; wet; 75% silt, 20% fine sand; 5% clay; moderate estimated permeability.		
				25	ML				
								27.0	
		B7@27 .5			ML		**SILT with Clay** Light gray; dry; very stiff; 90% silt, 10% clay; low plasticity; low estimated permeability.	28.0	Bottom of Boring @ 28 ft

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-8
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	04-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	05-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							Asphalt; cleared to 8 fbg with hand auger.	0.4	
					ML		**Gravelly Sandy SILT**: Brown; dry; 50% silt, 25% sand; 25% gravel; moderate estimated permeability.		
		B8@5		5					
								8.0	
					GW		**Silty Sandy GRAVEL**: Brown; dry; 50% gravel, 25% sand, 20% silt, 5% clay; no plasticity; high estimated permeability.	10.0	
				10	ML		**Clayey SILT**: Brown; dry; 70% silt, 30% clay; moderate plasticity; moderate estimated permeability.	12.0	
		B8@11 .5			GW		**Silty Sandy GRAVEL**: Brown; dry; 50% gravel, 25% sand, 20% silt, 5% clay; no plasticity; high estimated permeability.	13.5	Portland Type I/II
				15	ML		**Clayey SILT**: Brown; dry; 70% silt, 30% clay; moderate plasticity; moderate estimated permeability.		
		B8@15 .5							
							Clayey SILT: Brown; dry; 60% silt, 40% clay; moderate plasticity; low estimated permeability.	18.0	
		B8@19 .5		20	ML				
								23.0	
		B8@23 .5					**Sandy SILT**: Light brown; wet; 50% silt, 45% fine sand, 5% clay; moderate estimated permeability.		
				25	ML				
					ML		**Clayey SILT**: Tan; moist; 65% silt, 35% clay; moderate plasticity; low estimated permeability.	26.0 27.0	
		B8@27 .5			CL		**Silty CLAY**: Brown orange; dry; very stiff; 60% clay, 40% silt; moderate plasticity; low estimated permeability.	28.0	Bottom of Boring @ 28 ft

WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

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BORING/WELL LOG

CLIENT NAME	Chevron Envrionmental Management Co.	**BORING/WELL NAME**	B-9
JOB/SITE NAME	Site #304291	**DRILLING STARTED**	04-Apr-05
LOCATION	3884 First Street, Livermore, CA	**DRILLING COMPLETED**	05-Apr-05
PROJECT NUMBER	31H-2036	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA; NA
LOGGED BY	M. Terry	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG # 7445	**DEPTH TO WATER (Static)**	NA
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT:	0.4	
							Gravelly SILT: Light Brown; dry; 70% silt, 25% gravel, 5% clay; moderate estimated permiablility, petrolium odor.		
		B8@5		5	ML				
				10					
		B8@11 .5					**SILT with Clay**: Brown; dry; 90% silt, 10% clay; low plastic, moderate estimated permiablility, petrolium odor.	12.0	
		B8@15 .5		15	ML		@15-16 fbg: As above but stiff, odor and black streaking.	16.0	
		B8@19 .5		20					
		B8@23 .5					@23-24 fbg: As above with increase in silt to 95% silt, 5% clay, low plasticity, moderate estimated permiablility.	24.0	
				25	CL		**Silty Sandy CLAY**: Olive Brown; moist; 55% clay, 25% sand, 20% silt, moderate estimated permability,	26.0	
					SC		**Silty SAND with Clay** Olive Brown; wet; 65% sand, 25% silt, 10% clay; high estimated permiability, no odor.	27.5	
		B8@27 .5			ML		**Clayey SILT**: Orange Brown; moist; 60% silt, 40% clay, medium plastic, low estimated permiablility.	28.0	Bottom of Boring @ 28 ft

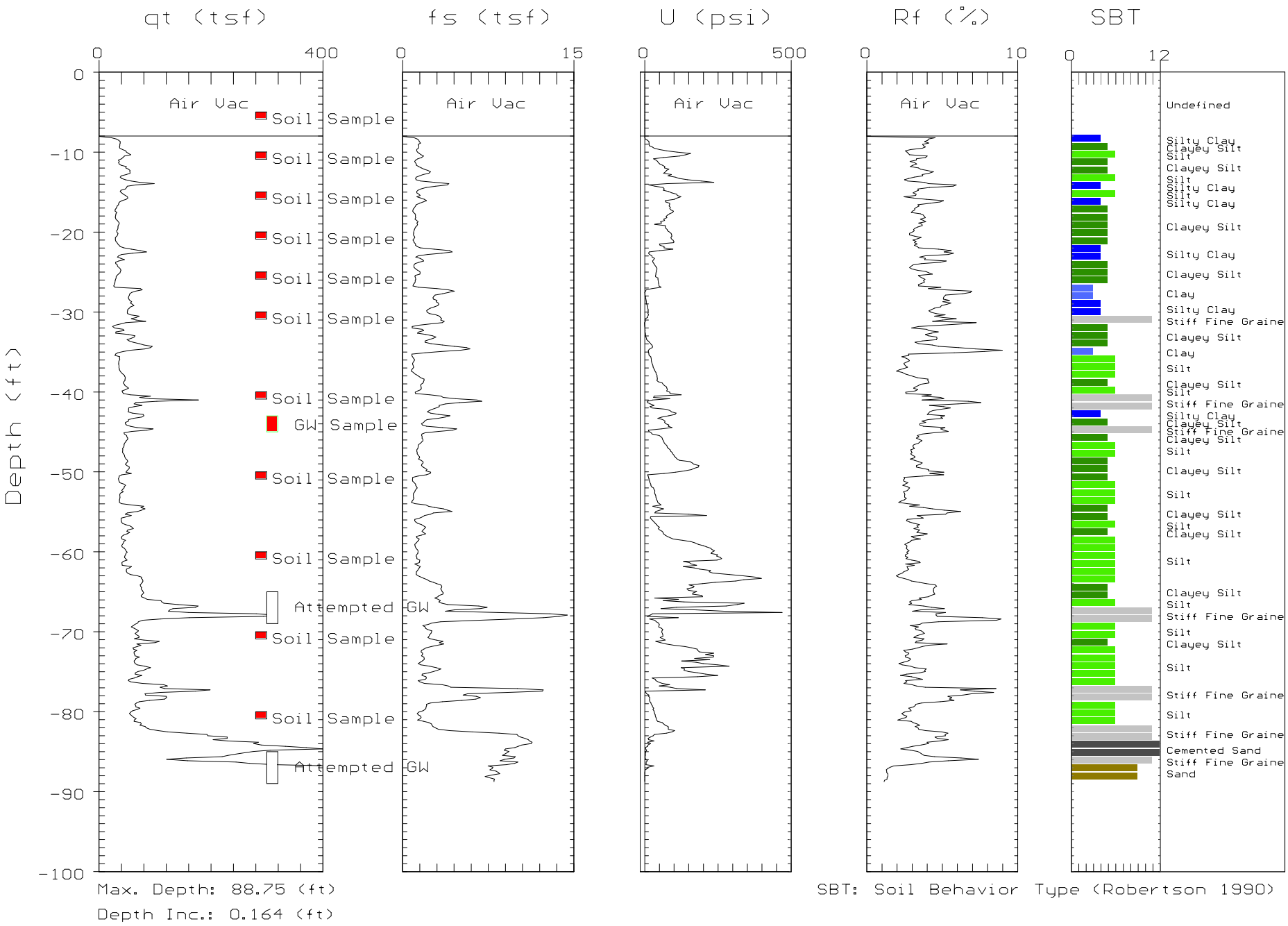
WELL LOG (COAXIAL/TPHG) I:\304291~1\EXCAVA~1\REPORT\ATTCH D PT A.GPJ DEFAULT.GDT 4/14/06

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-01

Engineer: L.GENNIN
Date: 09:08:05 08:39



Max. Depth: 88.75 (ft)
Depth Inc.: 0.164 (ft)

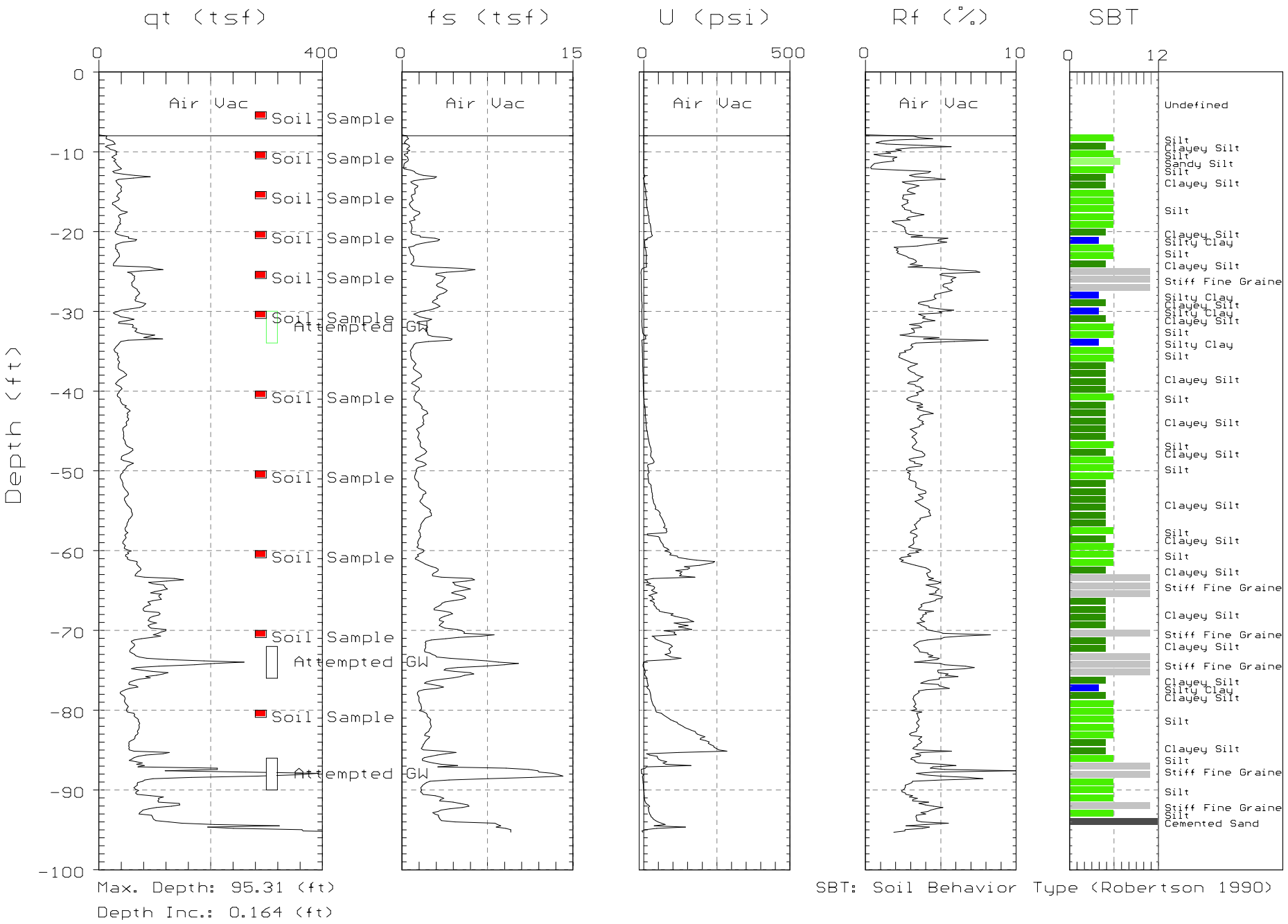
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-02A

Engineer: L.GENNIN
Date: 09:08:05 15:25



Max. Depth: 95.31 (ft)
Depth Inc.: 0.164 (ft)

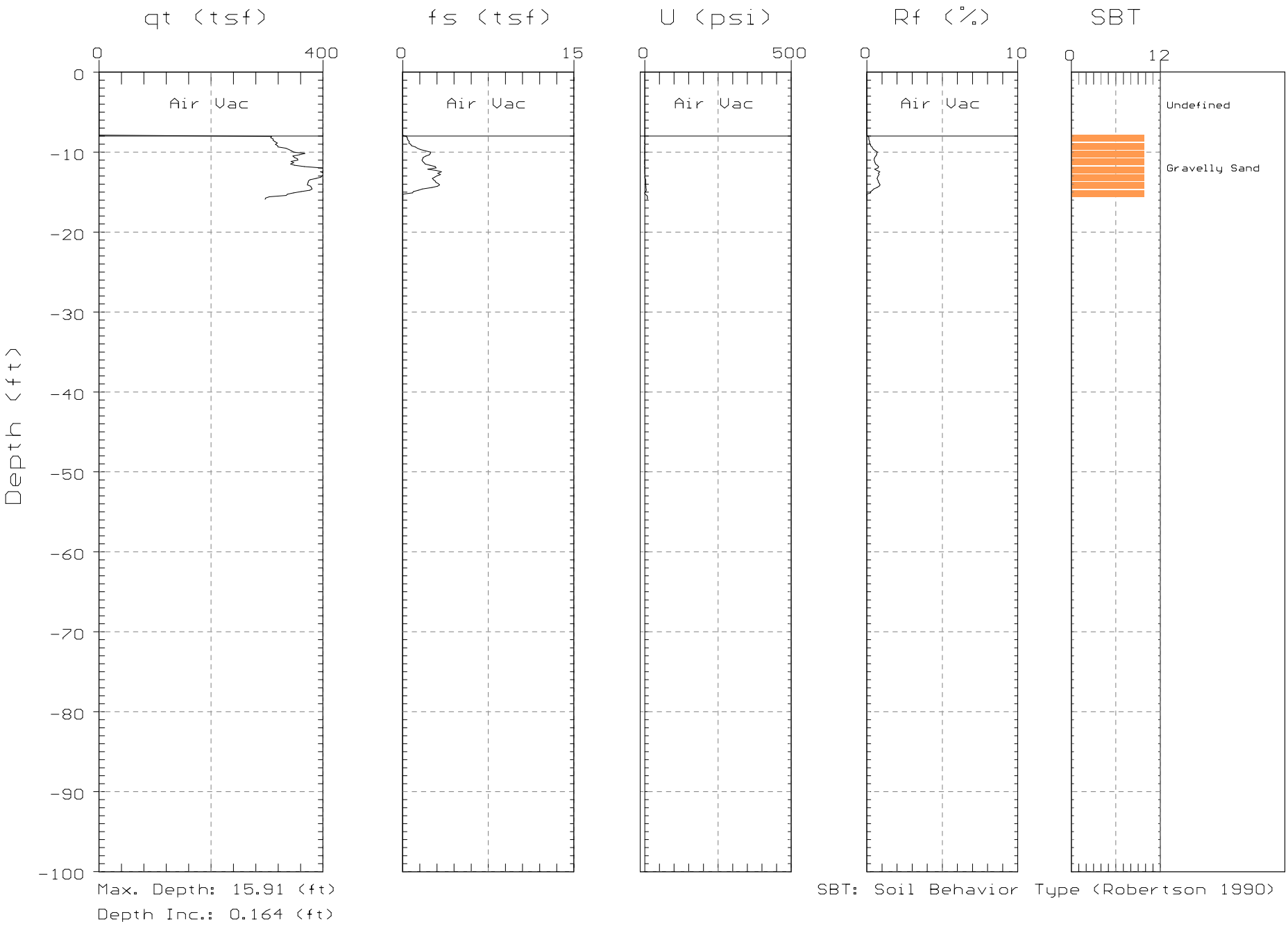
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-02

Engineer: L.GENNIN
Date: 09:08:05 15:05



Max. Depth: 15.91 (ft)
Depth Inc.: 0.164 (ft)

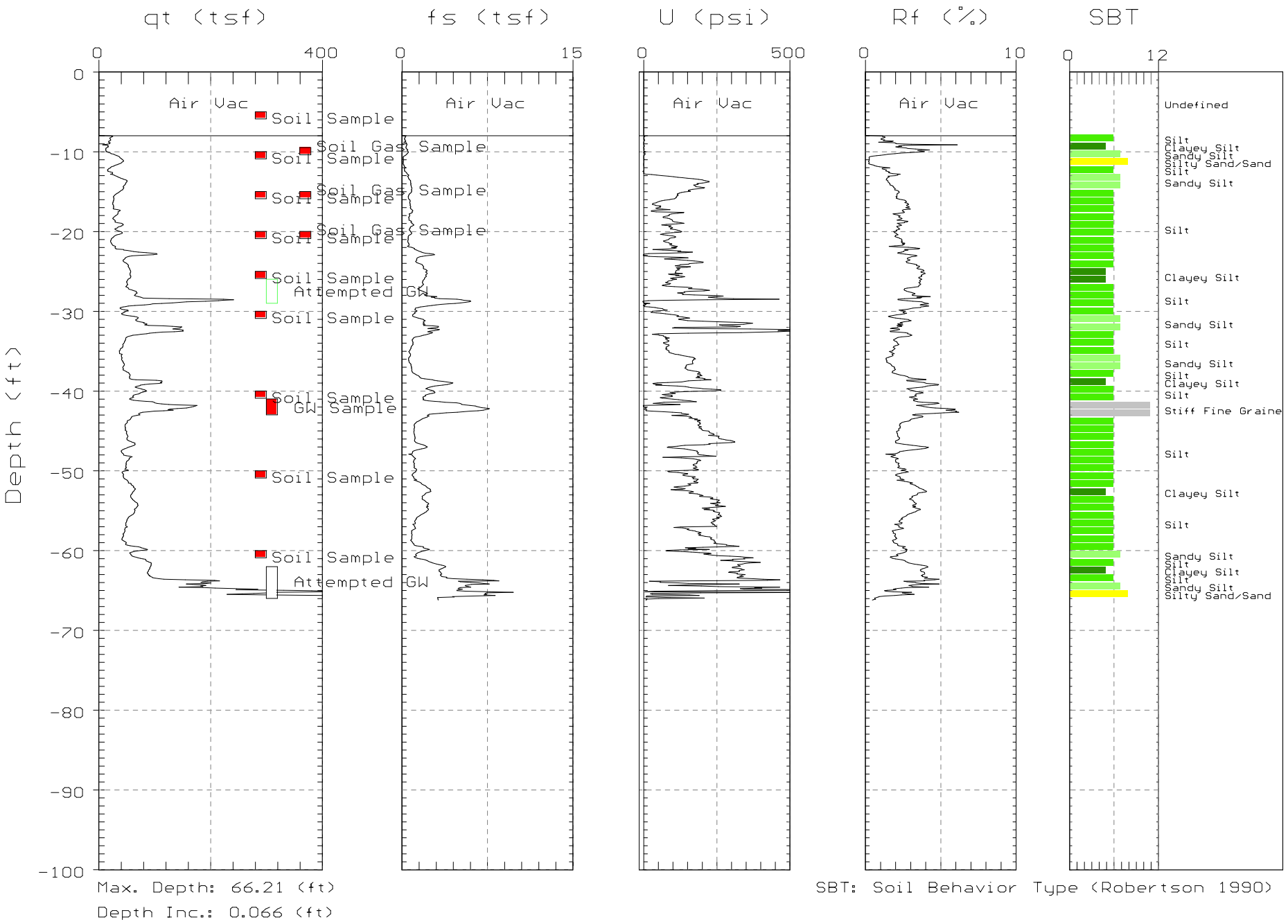
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-03

Engineer: L.GENNIN
Date: 09:08:05 11:04



Max. Depth: 66.21 (ft)
Depth Inc.: 0.066 (ft)

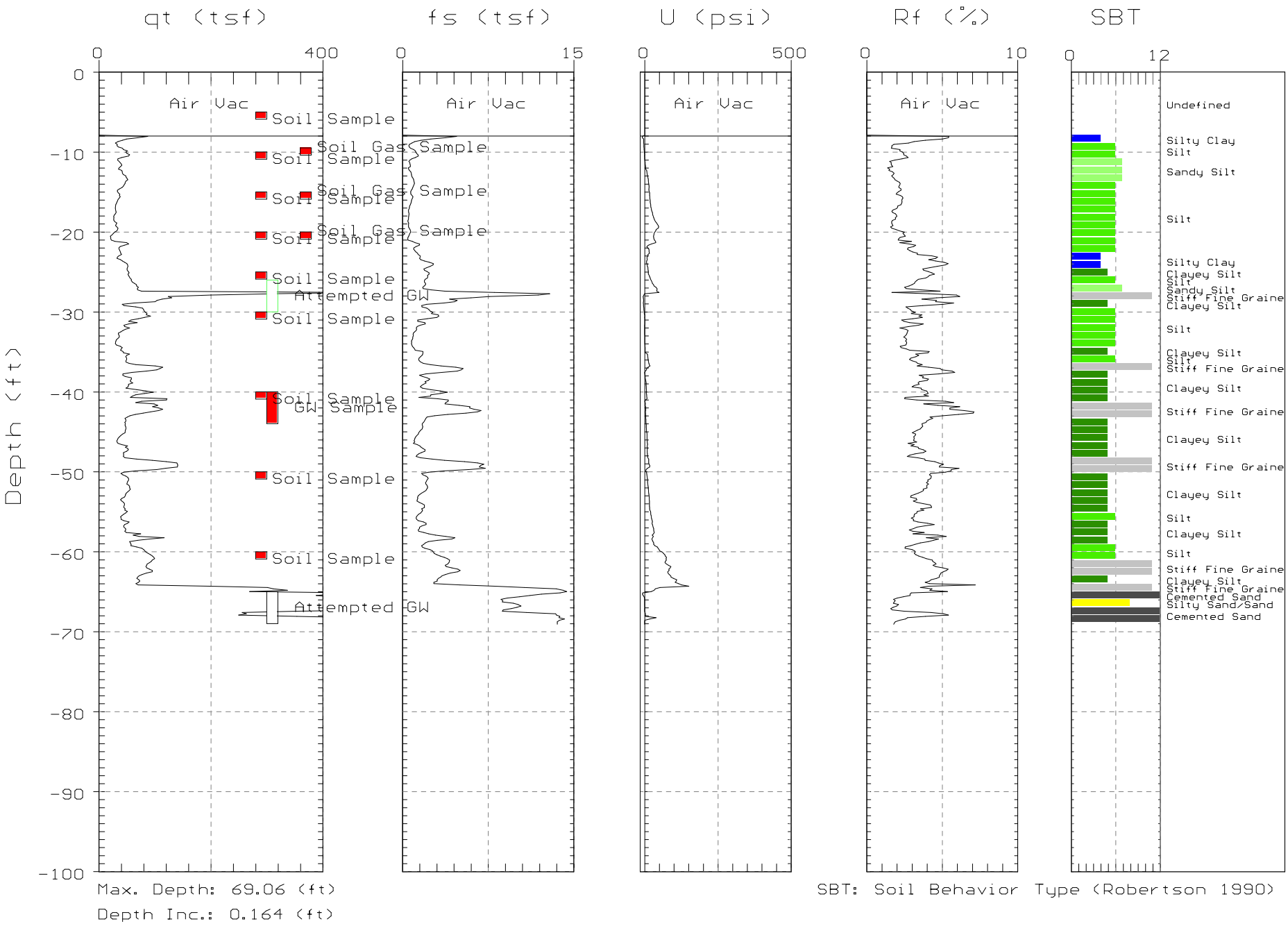
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-04

Engineer: L.GENNIN
Date: 09:12:05 08:03



Max. Depth: 69.06 (ft)
Depth Inc.: 0.164 (ft)

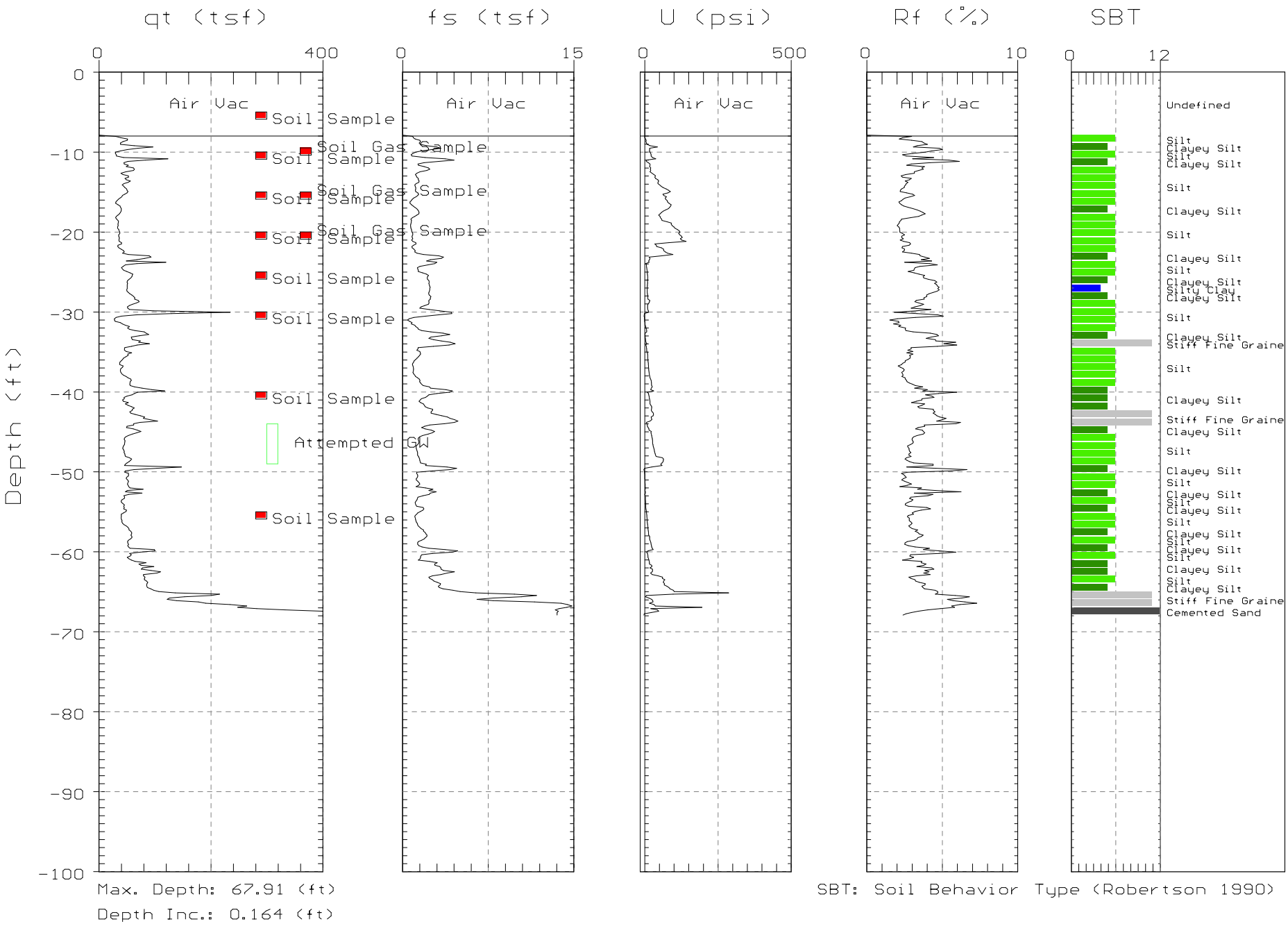
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-05A

Engineer: L.GENNIN
Date: 09:15:05 10:36



Max. Depth: 67.91 (ft)
Depth Inc.: 0.164 (ft)

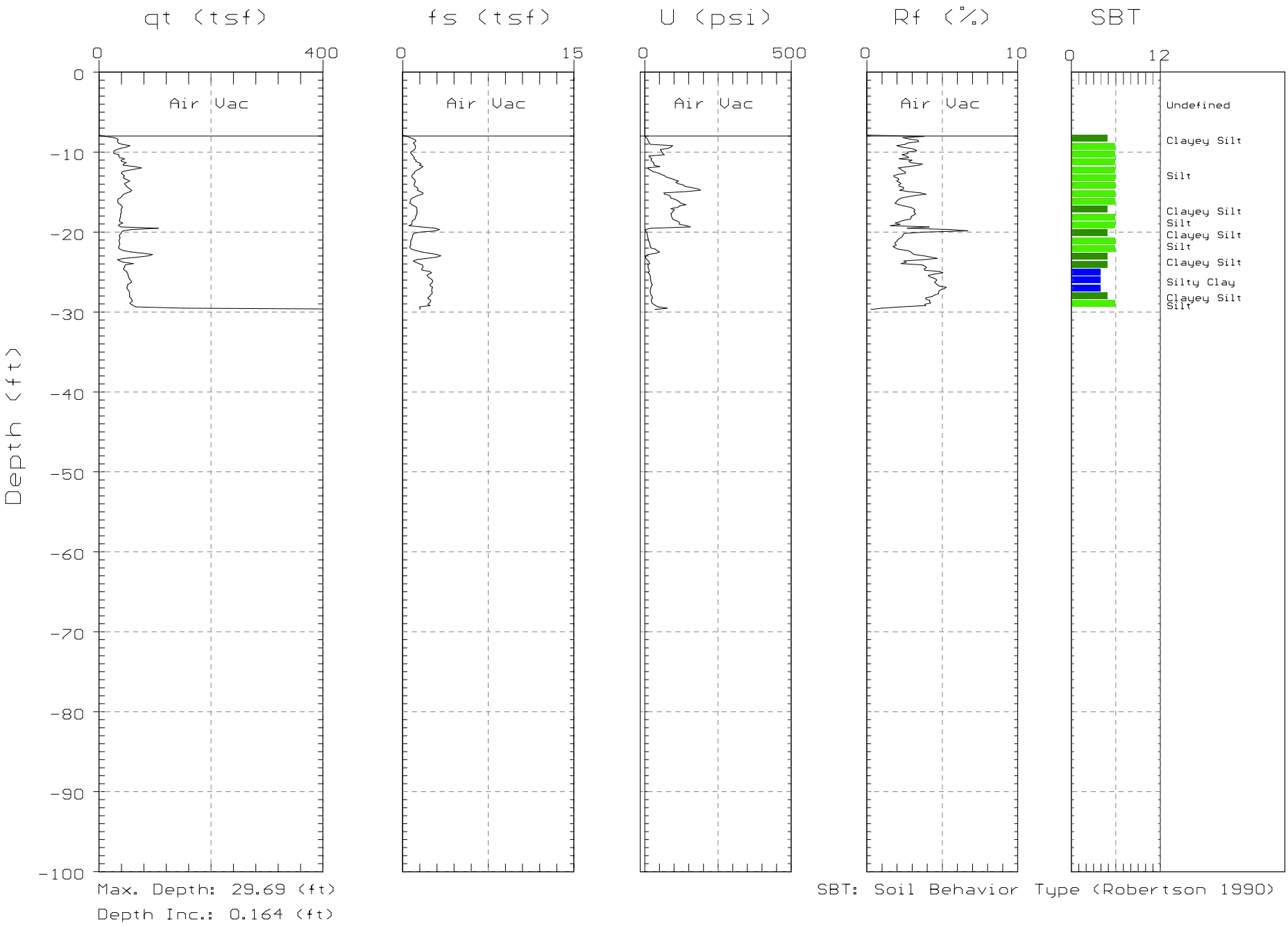
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-05

Engineer: L.GENNIN
Date: 09:14:05 16:01



Max. Depth: 29.69 (ft)
Depth Inc.: 0.164 (ft)

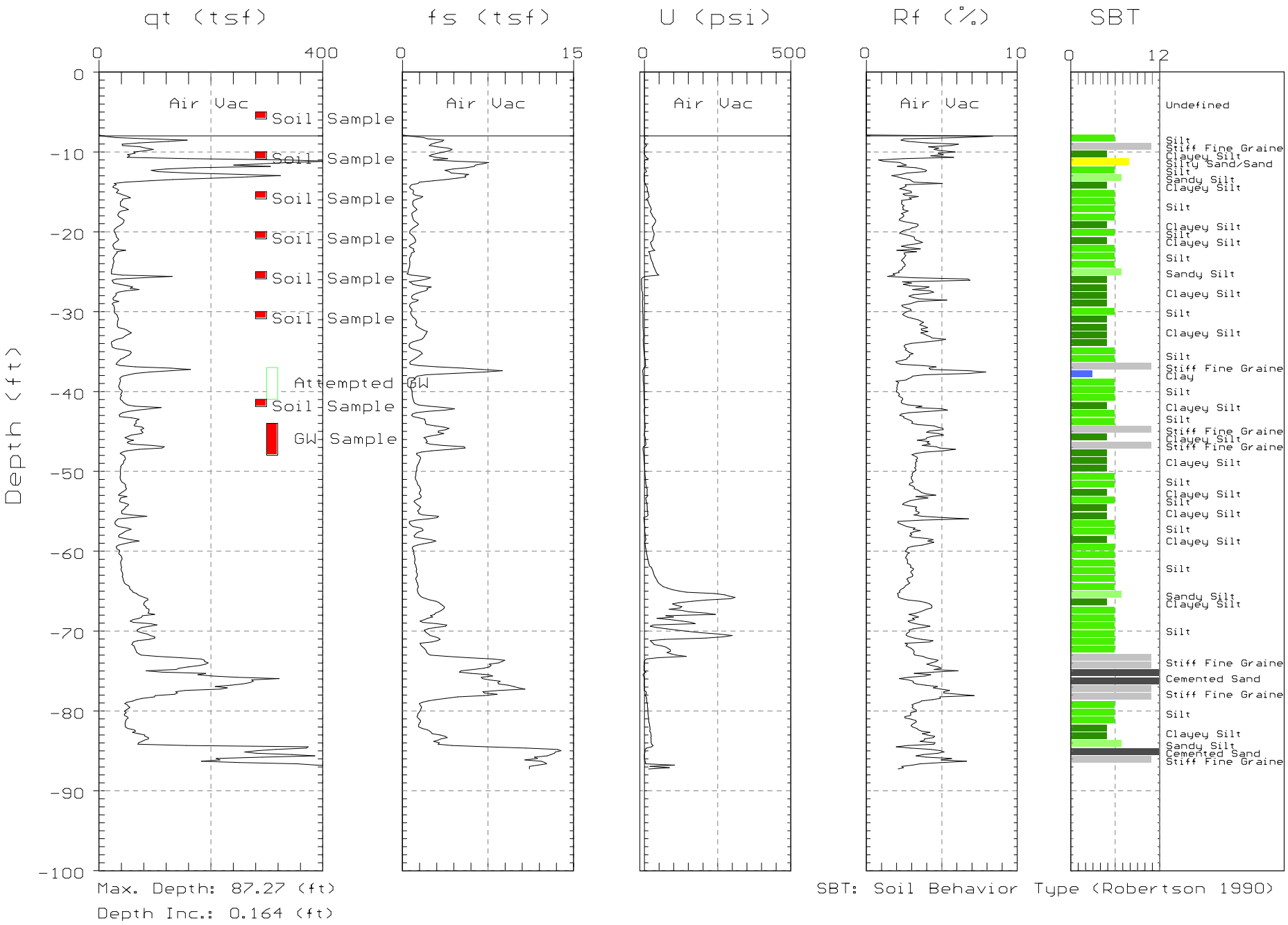
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-06

Engineer: L.GENNIN
Date: 09:13:05 13:17



Max. Depth: 87.27 (ft)
Depth Inc.: 0.164 (ft)

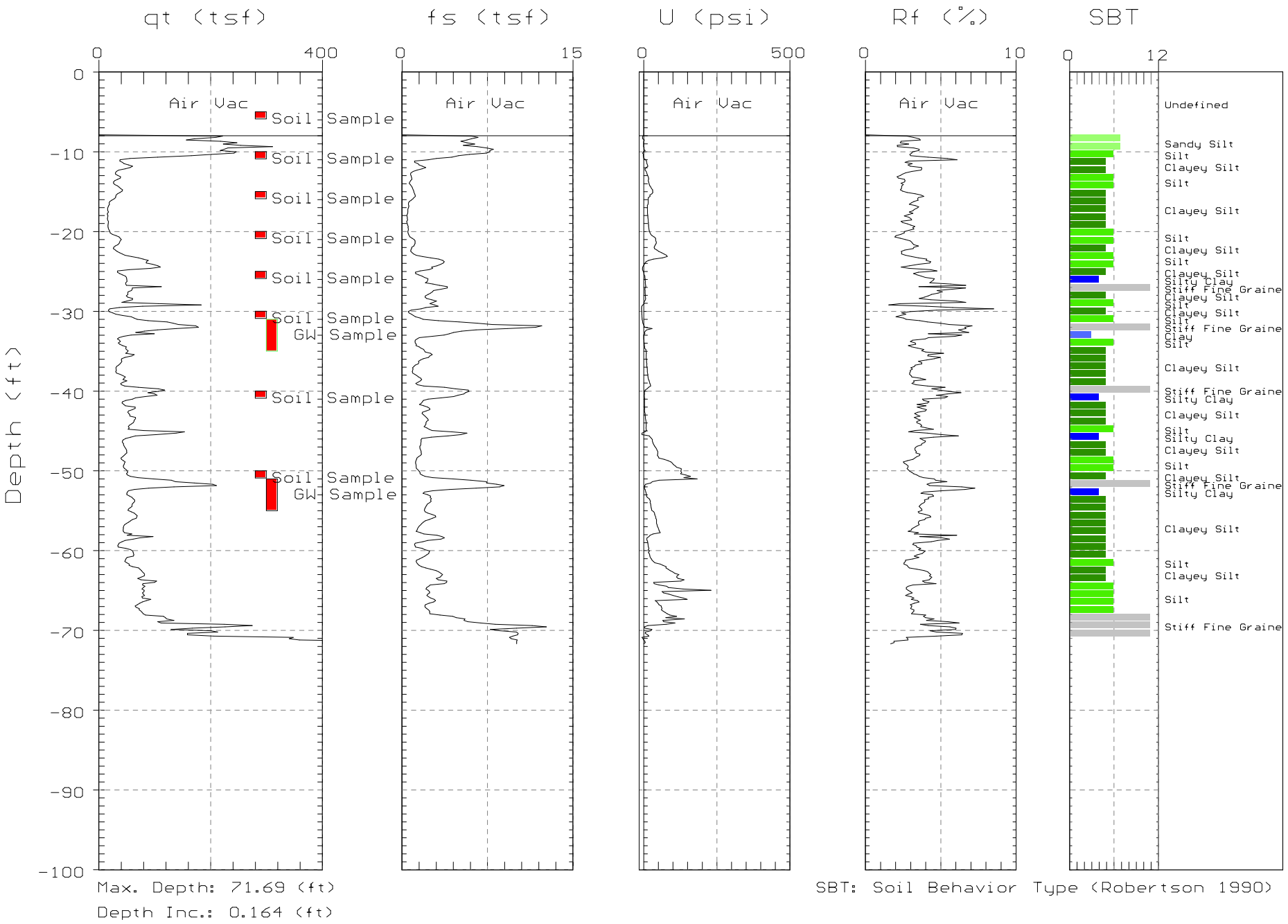
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-07

Engineer: L.GENNIN
Date: 09:13:05 08:20

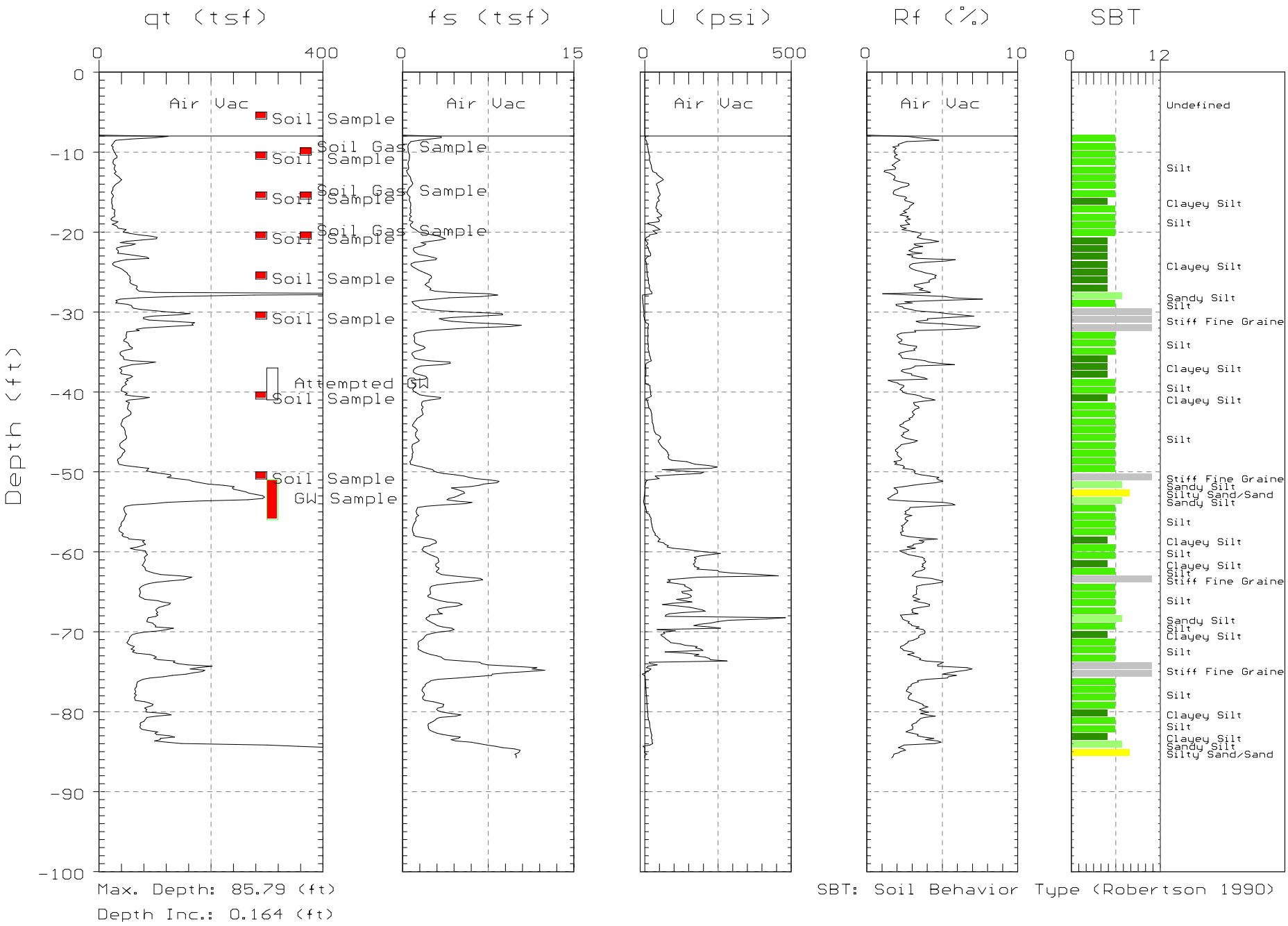


GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-08

Engineer: L.GENNIN
Date: 09:14:05 07:55



Max. Depth: 85.79 (ft)
Depth Inc.: 0.164 (ft)

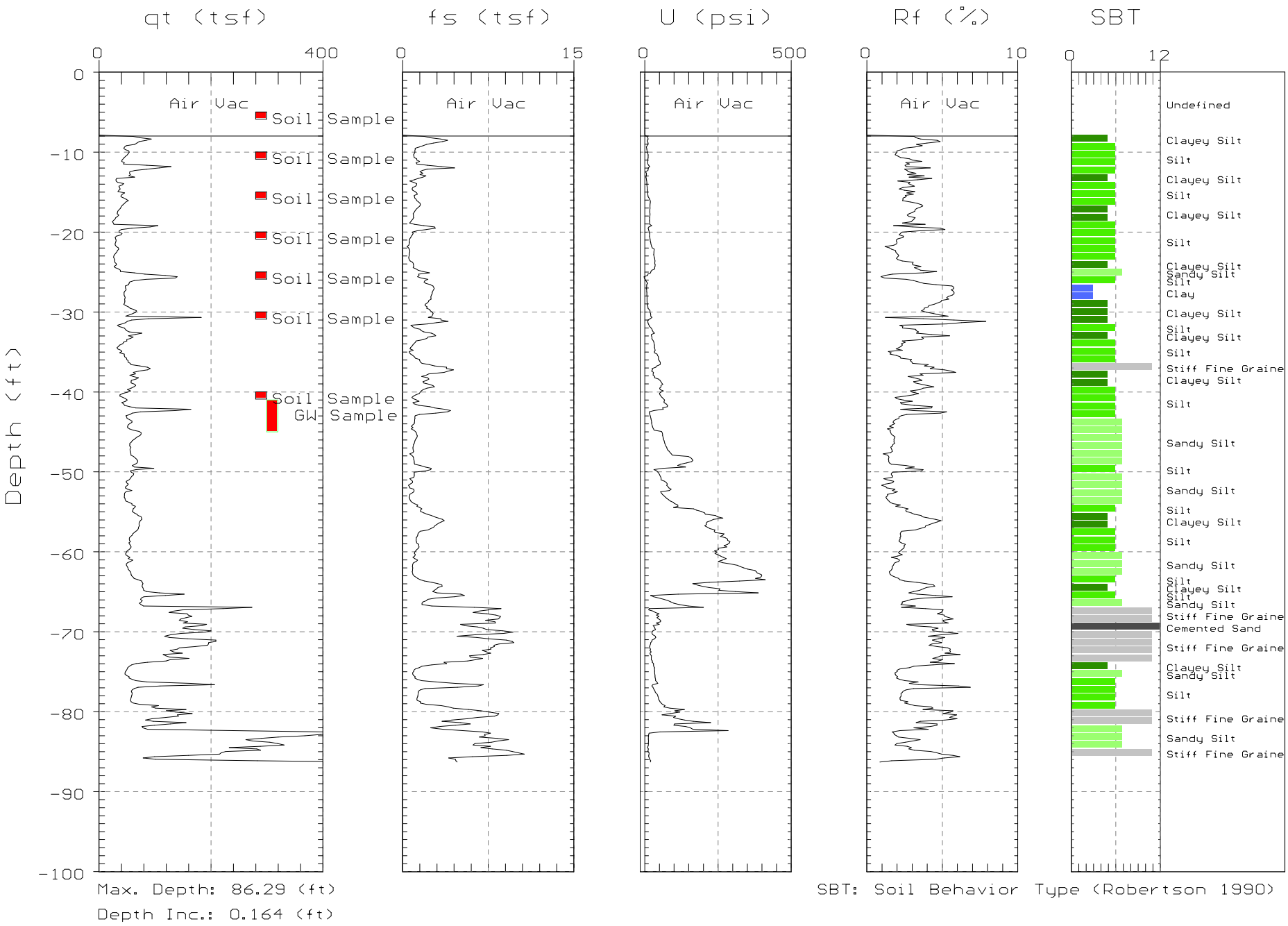
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-09

Engineer: L.GENNIN
Date: 09:14:05 16:36



Max. Depth: 86.29 (ft)
Depth Inc.: 0.164 (ft)

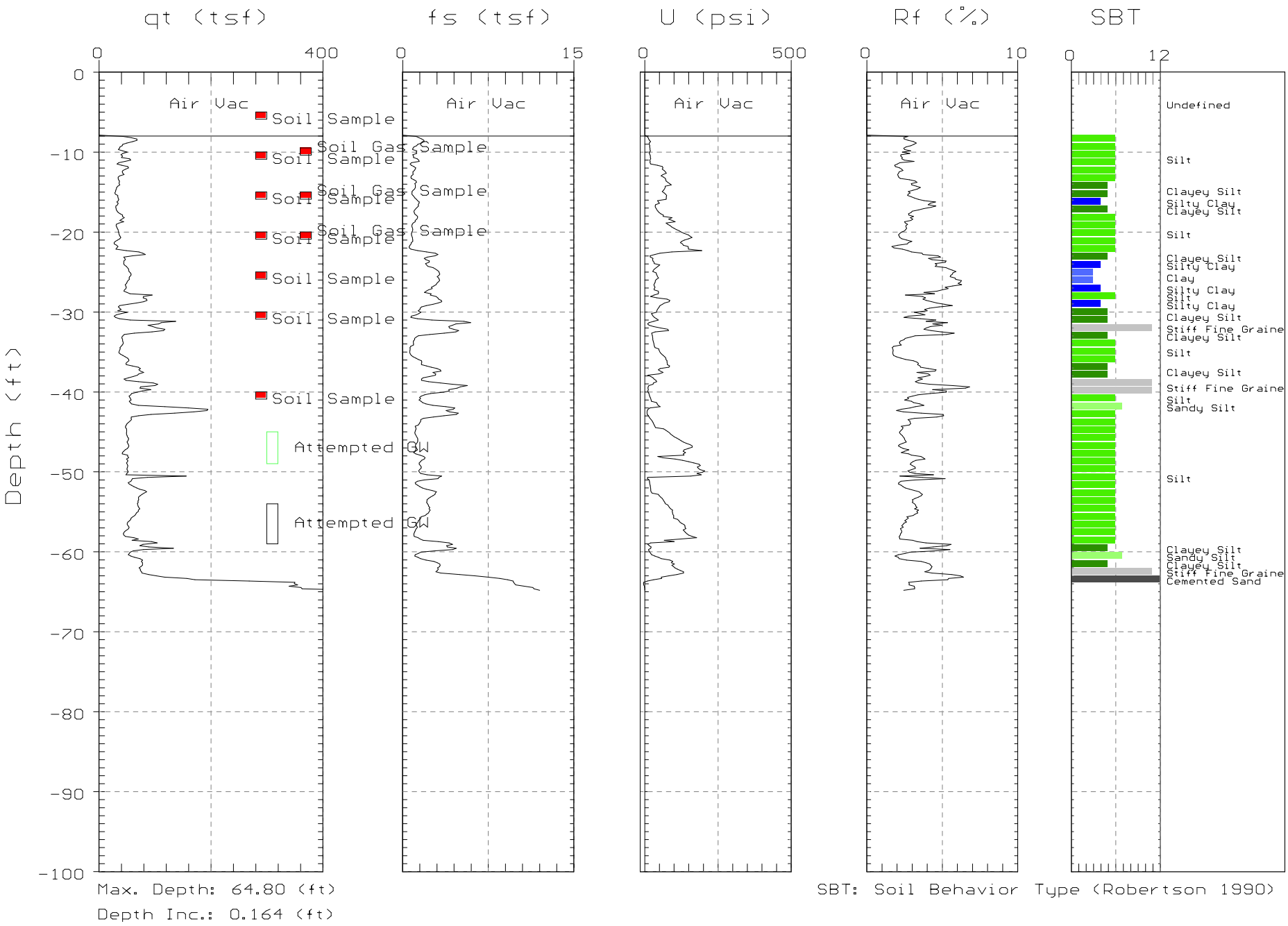
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-10

Engineer: L.GENNIN
Date: 09:14:05 11:22



Max. Depth: 64.80 (ft)
Depth Inc.: 0.164 (ft)

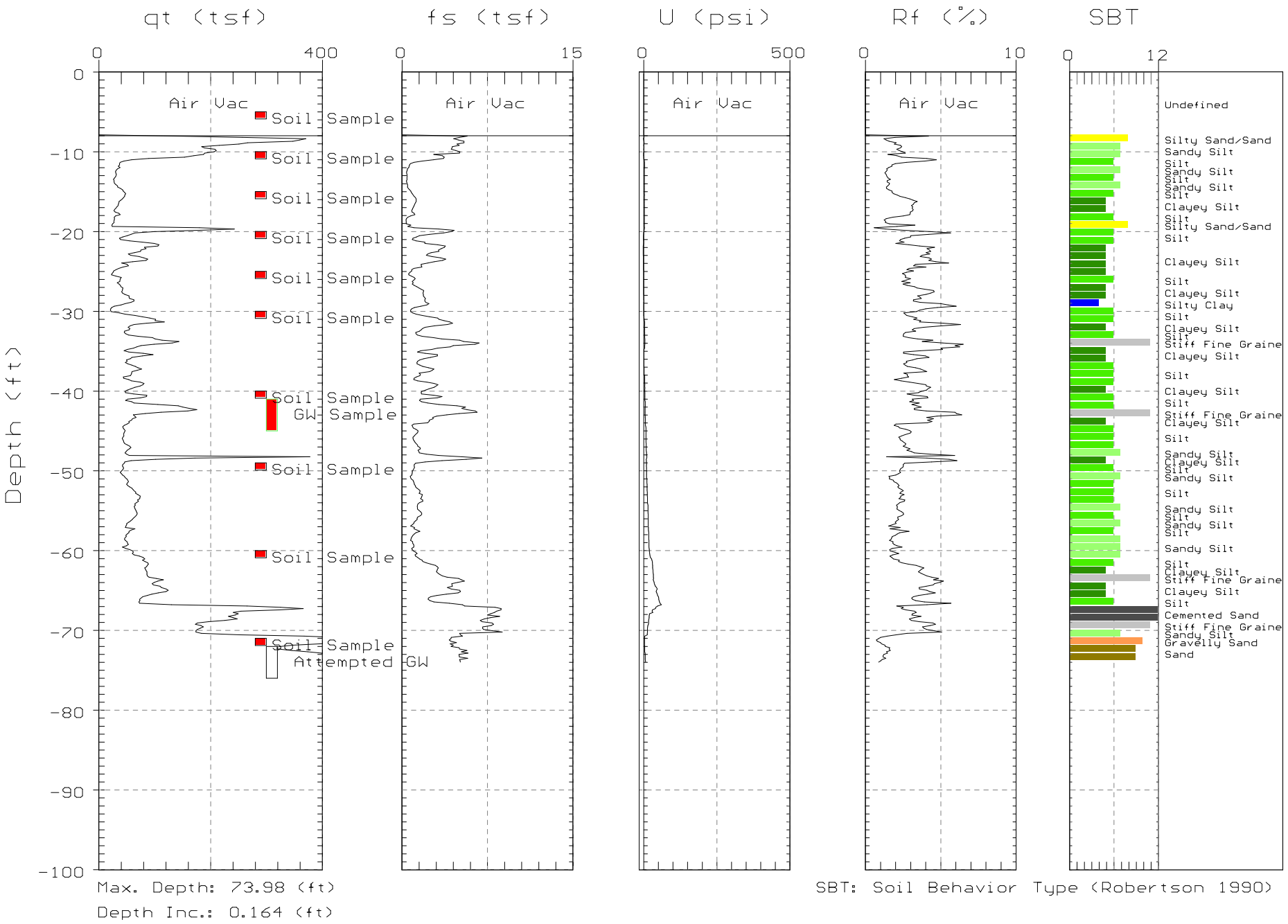
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-11

Engineer: L.GENNIN
Date: 09:14:05 13:42



Max. Depth: 73.98 (ft)
Depth Inc.: 0.164 (ft)

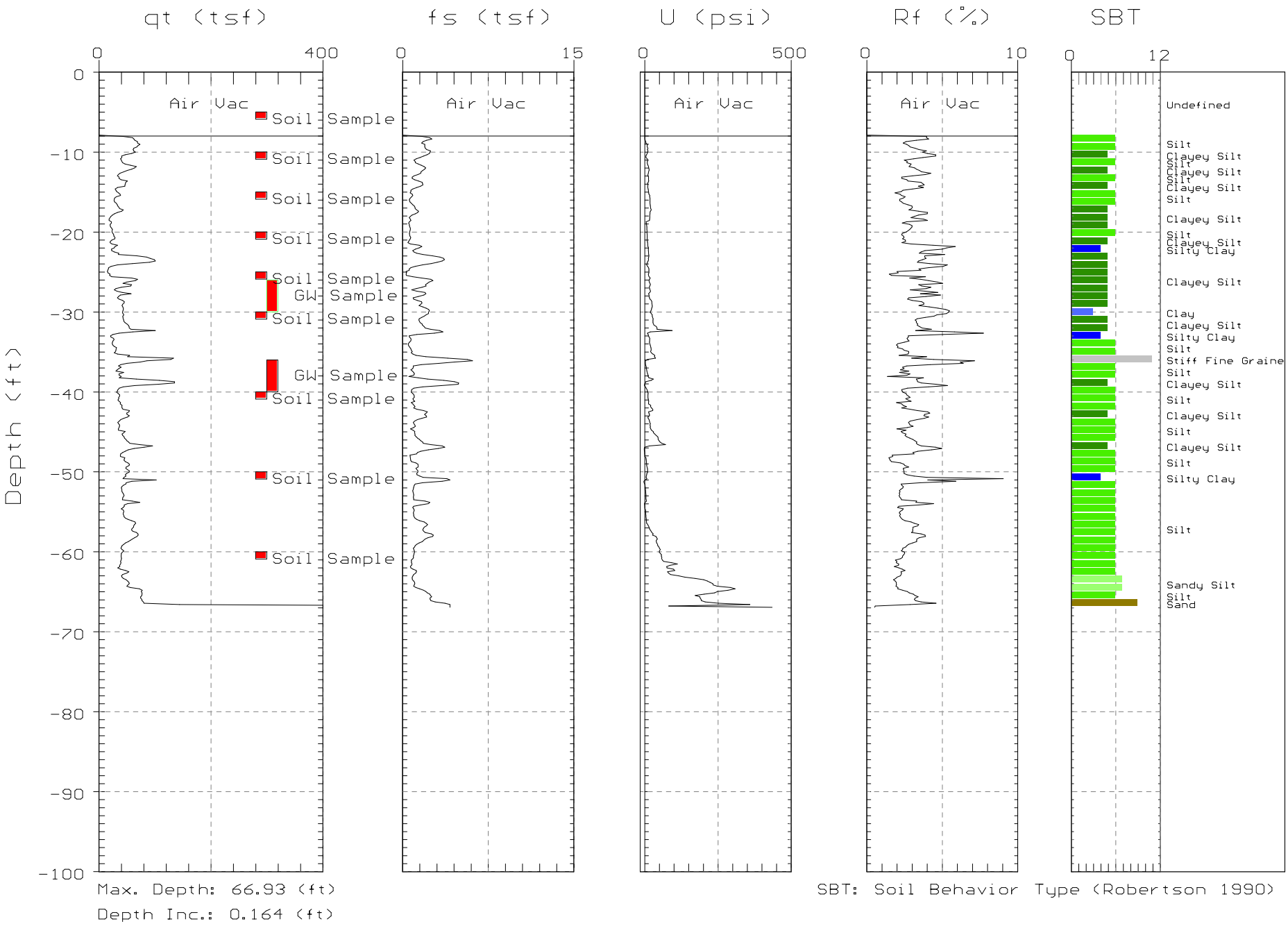
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON 30-4291
Location: CPT-12

Engineer: L.GENNIN
Date: 09:16:05 09:57



Max. Depth: 66.93 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ATTACHMENT E

Summary Sheets – Soil Disposal at Landfill

Integrated Wastestream Management, Inc.
1945 Concourse Drive, San Jose, CA 95131
Phone: 408-433-1990 Fax: 408-433-9521

ATTACHMENT "B"

95810-BS

Chevron #30-4219
3884 1st Street, Livermore, CA
Soil (Profile #1003558) Disposed at Vasco Road Landfill,Livermore, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
1	2/23/2006	23.29	736132	1 of 238	IWM
2	2/23/2006	20.21	736134	2 of 238	IWM
3	2/23/2006	19.88	736137	3 of 238	IWM
4	2/23/2006	20.04	736141	4 of 238	IWM
5	2/23/2006	17.67	736172	5 of 238	IWM
6	2/23/2006	18.58	736183	6 of 238	IWM
7	2/23/2006	19.4	736186	7 of 238	IWM
8	2/23/2006	17.71	736191	8 of 238	IWM
9	2/23/2006	18.16	736222	9 of 238	IWM
10	2/23/2006	20.03	736224	10 of 238	IWM
11	2/23/2006	20.55	736227	11 of 238	IWM
12	2/23/2006	20.08	736239	12 of 238	IWM
13	2/23/2006	18.85	736275	13 of 238	IWM
14	2/23/2006	18.9	736292	14 of 238	IWM
15	2/23/2006	19.22	736293	15 of 238	IWM
16	2/23/2006	16.95	736300	16 of 238	IWM
17	2/23/2006	20.03	736328	17 of 238	IWM
18	2/23/2006	19.54	736334	18 of 238	IWM
19	2/23/2006	19.1	736336	19 of 238	IWM
20	2/23/2006	18.59	736347	20 of 238	IWM
21	2/23/2006	18.61	736384	21 of 238	IWM
22	2/23/2006	19.5	736385	22 of 238	IWM
23	2/23/2006	17.87	736386	23 of 238	IWM
24	2/23/2006	17.39	736396	24 of 238	IWM
25	2/23/2006	20.42	736414	25 of 238	IWM
26	2/23/2006	21.28	736423	26 of 238	IWM
27	2/23/2006	20.32	736427	27 of 238	IWM
28	2/24/2006	15.11	736521	28 of 238	IWM
29	2/24/2006	15.38	736524	29 of 238	IWM
30	2/24/2006	15.99	736531	30 of 238	IWM
31	2/24/2006	16	736533	31 of 238	IWM
32	2/24/2006	16.39	736536	32 of 238	IWM
33	2/24/2006	15.83	736558	33 of 238	IWM
34	2/24/2006	20.32	736561	34 of 238	IWM
35	2/24/2006	19.79	736579	35 of 238	IWM
36	2/24/2006	19.16	736582	36 of 238	IWM
37	2/24/2006	19.38	736586	37 of 238	IWM
38	2/24/2006	17.3	736590	38 of 238	IWM
39	2/24/2006	17.94	736599	39 of 238	IWM
40	2/24/2006	21.52	736617	40 of 238	IWM
41	2/24/2006	21.1	736625	41 of 238	IWM
42	2/24/2006	21.54	736630	42 of 238	IWM
43	2/24/2006	21.51	736641	43 of 238	IWM
44	2/24/2006	22.34	736647	44 of 238	IWM
45	2/24/2006	21.67	736665	45 of 238	IWM
	Subtotal	860.44			

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ATTACHMENT "B"

95810-BS

Chevron #30-4219
3884 1st Street, Livermore, CA
Soil (Profile #1003558) Disposed at Vasco Road Landfill,Livermore, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
46	2/24/2006	18.25	736680	46 of 238	IWM
47	2/24/2006	19.92	736696	47 of 238	IWM
48	2/24/2006	19.54	736698	48 of 238	IWM
49	2/24/2006	17.03	736712	49 of 238	IWM
50	2/24/2006	17.97	736718	50 of 238	IWM
51	2/24/2006	18.9	736720	51 of 238	IWM
52	2/24/2006	21.54	736745	52 of 238	IWM
53	2/24/2006	19.32	736754	53 of 238	IWM
54	2/24/2006	20.98	736756	54 of 238	IWM
55	2/24/2006	18.18	736767	55 of 238	IWM
56	2/24/2006	15.07	736769	56 of 238	IWM
57	2/24/2006	18.05	736772	57 of 238	IWM
58	2/24/2006	18.44	736789	58 of 238	IWM
59	2/24/2006	17.06	736799	59 of 238	IWM
60	2/24/2006	15.04	736800	60 of 238	IWM
61	2/24/2006	17.83	736808	61 of 238	IWM
62	2/24/2006	17.6	736809	62 of 238	IWM
63	2/24/2006	14.08	736818	63 of 238	IWM
64	2/27/2006	14.59	737245	64 of 238	IWM
65	2/27/2006	14.22	737249	65 of 238	IWM
66	2/27/2006	15.32	737251	66 of 238	IWM
67	2/27/2006	17.21	737252	67 of 238	IWM
68	2/27/2006	14.02	737253	68 of 238	IWM
69	2/27/2006	15.95	737256	69 of 238	IWM
70	2/27/2006	18.05	737261	70 of 238	IWM
71	2/27/2006	15.55	737287	71 of 238	IWM
72	2/27/2006	14.65	737288	72 of 238	IWM
73	2/27/2006	15.44	737291	73 of 238	IWM
74	2/27/2006	13.38	737293	74 of 238	IWM
75	2/27/2006	15.81	737303	75 of 238	IWM
76	2/27/2006	15.31	737304	76 of 238	IWM
77	2/27/2006	16.01	737323	77 of 238	IWM
78	2/27/2006	14.36	737330	78 of 238	IWM
79	2/27/2006	14.98	737339	79 of 238	IWM
80	2/27/2006	19.39	737342	80 of 238	IWM
81	2/27/2006	20.67	737352	81 of 238	IWM
82	2/27/2006	15.66	737353	82 of 238	IWM
83	2/27/2006	15.15	737355	83 of 238	IWM
84	2/27/2006	17.51	737373	84 of 238	IWM
85	2/27/2006	18.13	737378	85 of 238	IWM
86	2/27/2006	18.58	737386	86 of 238	IWM
87	2/27/2006	18.34	737389	87 of 238	IWM
88	2/27/2006	19.44	737394	88 of 238	IWM
89	2/27/2006	20.12	737399	89 of 238	IWM
90	2/27/2006	17.88	737400	90 of 238	IWM

Subtotal 770.52

Integrated Wastestream Management, Inc.
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ATTACHMENT "B"

95810-BS

Chevron #30 4219
3884 1st Street, Livermore, CA
Soil (Profile #1003558) Disposed at Vasco Road Landfill,Livermore, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
91	2/27/2006	17.44	737417	91 of 238	IWM
92	2/27/2006	16.21	737431	92 of 238	IWM
93	2/27/2006	19.13	737441	93 of 238	IWM
94	2/27/2006	20.91	737444	94 of 238	IWM
95	2/27/2006	20.63	737447	95 of 238	IWM
96	2/27/2006	17.9	737453	96 of 238	IWM
97	2/27/2006	16.91	737457	97 of 238	IWM
98	2/27/2006	20.02	737462	98 of 238	IWM
99	2/27/2006	20.93	737470	99 of 238	IWM
100	2/27/2006	19.76	737481	100 of 238	IWM
101	2/27/2006	17.78	737486	101 of 238	IWM
102	2/27/2006	20.8	737491	102 of 238	IWM
103	2/27/2006	14.8	737496	103 of 238	IWM
104	2/27/2006	16.4	737498	104 of 238	IWM
105	2/27/2006	17.49	737503	105 of 238	IWM
106	2/28/2006	14.59	737577	106 of 238	IWM
107	2/28/2006	17.55	737582	107 of 238	IWM
108	2/28/2006	16.67	737584	108 of 238	IWM
109	2/28/2006	16.63	737586	109 of 238	IWM
110	2/28/2006	18.03	737613	110 of 238	IWM
111	2/28/2006	16.26	737621	111 of 238	IWM
112	2/28/2006	13.96	737642	112 of 238	IWM
113	2/28/2006	17.85	737643	113 of 238	IWM
114	2/28/2006	19.76	737671	114 of 238	IWM
115	2/28/2006	17.67	737675	115 of 238	IWM
116	2/28/2006	17.84	737686	116 of 238	IWM
117	2/28/2006	17.75	737687	117 of 238	IWM
118	2/28/2006	14.27	737705	118 of 238	IWM
119	2/28/2006	15.51	737709	119 of 238	IWM
120	2/28/2006	15.87	737724	120 of 238	IWM
121	2/28/2006	15.26	737726	121 of 238	IWM
122	2/28/2006	19.18	737760	122 of 238	IWM
123	2/28/2006	19.1	737765	123 of 238	IWM
124	2/28/2006	18	737780	124 of 238	IWM
125	2/28/2006	19.13	737781	125 of 238	IWM
126	3/2/2006	18.7	738209	126 of 238	IWM
127	3/2/2006	17.96	738215	127 of 238	IWM
128	3/2/2006	19.53	738223	128 of 238	IWM
129	3/2/2006	20.21	738227	129 of 238	IWM
130	3/2/2006	18.46	738233	130 of 238	IWM
131	3/2/2006	18.07	738235	131 of 238	IWM
132	3/2/2006	17.08	738271	132 of 238	IWM
133	3/2/2006	18.29	738275	133 of 238	IWM
134	3/2/2006	20.25	738276	134 of 238	IWM
135	3/2/2006	19.44	738279	135 of 238	IWM
	Subtotal	805.98			

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ATTACHMENT "B"

95810-BS

Chevron #30-4219
3884 1st Street, Livermore, CA
Soil (Profile #1003558) Disposed at Vasco Road Landfill,Livermore, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
136	3/2/2006	17.92	738289	136 of 238	IWM
137	3/2/2006	18.56	738294	137 of 238	IWM
138	3/2/2006	20.26	738312	138 of 238	IWM
139	3/2/2006	19.52	738334	139 of 238	IWM
140	3/2/2006	20.64	738336	140 of 238	IWM
141	3/2/2006	20.22	738338	141 of 238	IWM
142	3/2/2006	19.95	738342	142 of 238	IWM
143	3/2/2006	19.79	738345	143 of 238	IWM
144	3/2/2006	20.4	738356	144 of 238	IWM
145	3/2/2006	21.17	738365	145 of 238	IWM
146	3/2/2006	20.7	738368	146 of 238	IWM
147	3/2/2006	18.47	738373	147 of 238	IWM
148	3/2/2006	19.96	738379	148 of 238	IWM
149	3/2/2006	20.15	738381	149 of 238	IWM
150	3/2/2006	19.04	738412	150 of 238	IWM
151	3/2/2006	21.1	738413	151 of 238	IWM
152	3/2/2006	20.12	738422	152 of 238	IWM
153	3/2/2006	21.69	738425	153 of 238	IWM
154	3/2/2006	18.9	738432	154 of 238	IWM
155	3/2/2006	21.98	738434	155 of 238	IWM
156	3/2/2006	21.64	738449	156 of 238	IWM
157	3/2/2006	18.37	738455	157 of 238	IWM
158	3/2/2006	21.8	738462	158 of 238	IWM
159	3/2/2006	18.33	738465	159 of 238	IWM
160	3/2/2006	18.15	738471	160 of 238	IWM
161	3/2/2006	16.34	738474	161 of 238	IWM
162	3/3/2006	20.29	738512	162 of 238	IWM
163	3/3/2006	16.96	738544	163 of 238	IWM
164	3/3/2006	14.64	738546	164 of 238	IWM
165	3/3/2006	17.22	738548	165 of 238	IWM
166	3/3/2006	14.33	738550	166 of 238	IWM
167	3/3/2006	12.75	738578	167 of 238	IWM
168	3/3/2006	13.21	738582	168 of 238	IWM
169	3/3/2006	13.23	738591	169 of 238	IWM
170	3/3/2006	11.38	738594	170 of 238	IWM
171	3/8/2006	16.12	738630	171 of 238	IWM
172	3/9/2006	14.83	739954	172 of 238	IWM
173	3/9/2006	13.47	739960	173 of 238	IWM
174	3/9/2006	16.53	739966	174 of 238	IWM
175	3/9/2006	15.63	740010	175 of 238	IWM
176	3/9/2006	18.81	740016	176 of 238	IWM
177	3/9/2006	20.08	740023	177 of 238	IWM
178	3/9/2006	16.55	740074	178 of 238	IWM
179	3/9/2006	16.83	740084	179 of 238	IWM
180	3/9/2006	19.18	740131	180 of 238	IWM
	Subtotal	817.21			

Integrated Wastestream Management, Inc.
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ATTACHMENT "B"

95810-BS

Chevron #30-4219
3884 1st Street, Livermore, CA
Soil (Profile #1003558) Disposed at Vasco Road Landfill,Livermore, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
181	3/9/2006	18.07	740145	181 of 238	IWM
182	3/9/2006	13.59	740191	182 of 238	IWM
183	3/9/2006	11.25	740200	183 of 238	IWM
184	3/15/2006	17.43	741455	184 of 238	IWM
185	3/15/2006	18.53	741513	185 of 238	IWM
186	3/15/2006	18.27	741555	186 of 238	IWM
187	3/15/2006	18.38	741608	187 of 238	IWM
188	3/15/2006	20.69	741649	188 of 238	IWM
189	3/15/2006	18.53	741656	189 of 238	IWM
190	3/15/2006	21.46	741659	190 of 238	IWM
191	3/15/2006	18.13	741664	191 of 238	IWM
192	3/15/2006	18.59	741665	192 of 238	IWM
193	3/15/2006	19.17	741669	193 of 238	IWM
194	3/15/2006	17.42	741670	194 of 238	IWM
195	3/15/2006	19.09	741673	195 of 238	IWM
196	3/15/2006	20.13	741706	196 of 238	IWM
197	3/15/2006	17.91	741709	197 of 238	IWM
198	3/15/2006	19.02	741718	198 of 238	IWM
199	3/15/2006	17.06	741721	199 of 238	IWM
200	3/15/2006	16.89	741726	200 of 238	IWM
201	3/15/2006	16.05	741731	201 of 238	IWM
202	3/15/2006	17.51	741732	202 of 238	IWM
203	3/15/2006	17.88	741735	203 of 238	IWM
204	3/15/2006	19.15	741760	204 of 238	IWM
205	3/15/2006	15.91	741762	205 of 238	IWM
206	3/15/2006	17.36	741765	206 of 238	IWM
207	3/15/2006	18.98	741767	207 of 238	IWM
208	3/15/2006	16.4	741768	208 of 238	IWM
209	3/15/2006	18.03	741775	209 of 238	IWM
210	3/15/2006	14.97	741778	210 of 238	IWM
211	3/15/2006	17.01	741780	211 of 238	IWM
212	3/16/2006	16.38	741829	212 of 238	IWM
213	3/16/2006	19.79	741835	213 of 238	IWM
214	3/16/2006	21.63	741872	214 of 238	IWM
215	3/16/2006	18.91	741880	215 of 238	IWM
216	3/16/2006	17.35	741884	216 of 238	IWM
217	3/16/2006	19.76	741923	217 of 238	IWM
218	3/16/2006	17.56	741933	218 of 238	IWM
219	3/16/2006	19.77	741980	219 of 238	IWM
220	3/16/2006	15.34	741987	220 of 238	IWM
221	3/17/2006	18.58	742204	221 of 238	IWM
222	3/17/2006	17.62	742208	222 of 238	IWM
223	3/17/2006	16.83	742242	223 of 238	IWM
224	3/17/2006	17.59	742244	224 of 238	IWM
225	3/17/2006	19.01	742251	225 of 238	IWM

Subtotal 804.98

Integrated Wastestream Management, Inc.
1945 Concourse Drive, San Jose, CA 95131
Phone: 408-433-1990 Fax: 408-433-9521

ATTACHMENT "B"

95810-BS

Chevron #30 4219
3884 1st Street, Livermore, CA
Soil (Profile #1003558) Disposed at Vasco Road Landfill,Livermore, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
226	3/17/2006	18.77	742257	226 of 238	IWM
227	3/17/2006	19.93	742264	227 of 238	IWM
228	3/17/2006	15.08	742285	228 of 238	IWM
229	3/17/2006	17.91	742298	229 of 238	IWM
230	3/17/2006	14.51	742300	230 of 238	IWM
231	3/17/2006	19.08	742304	231 of 238	IWM
232	3/17/2006	19.37	742305	232 of 238	IWM
233	3/17/2006	16.83	742320	233 of 238	IWM
234	3/17/2006	17.04	742325	234 of 238	IWM
235	3/17/2006	15.62	742327	235 of 238	IWM
236	3/17/2006	17.93	742330	236 of 238	IWM
237	3/17/2006	14.44	742349	237 of 238	IWM
238	3/17/2006	18.43	742369	238 of 238	IWM
	Subtotal	224.94			
	Total	4284.07			

Integrated Wastestream Management, Inc.
1945 Concourse Drive, San Jose, CA 95131
Phone: 408-433-1990 Fax: 408-433-9521

ATTACHMENT "B"

95847-BS

Chevron #30 4219
3884 1st Street, Livermore, CA
Soil (Waste Oil - Profile #1003588) Disposed at Vasco Road Landfill,Livermore, CA

	Removal/Disposal Date	Tons	Ticket No.	Manifest No.	Hauler
1	3/15/2006	16.48	741424	1 of 28	IWM
2	3/15/2006	17.75	741426	2 of 28	IWM
3	3/15/2006	18.9	741428	3 of 28	IWM
4	3/15/2006	16.43	741430	4 of 28	IWM
5	3/15/2006	17.86	741433	5 of 28	IWM
6	3/15/2006	15.21	741438	6 of 28	IWM
7	3/15/2006	15.94	741451	7 of 28	IWM
8	3/15/2006	17.09	741465	8 of 28	IWM
9	3/15/2006	15.87	741468	9 of 28	IWM
10	3/15/2006	15.4	741470	10 of 28	IWM
11	3/15/2006	16.96	741477	11 of 28	IWM
12	3/15/2006	15.56	741481	12 of 28	IWM
13	3/15/2006	16.13	741488	13 of 28	IWM
14	3/15/2006	16.54	741512	14 of 28	IWM
15	3/15/2006	17.95	741524	15 of 28	IWM
16	3/15/2006	18.5	741532	16 of 28	IWM
17	3/15/2006	18.47	741536	17 of 28	IWM
18	3/15/2006	18	741537	18 of 28	IWM
19	3/15/2006	18	741545	19 of 28	IWM
20	3/15/2006	18.01	741551	20 of 28	IWM
21	3/15/2006	20.48	741557	21 of 28	IWM
22	3/15/2006	18.81	741590	22 of 28	IWM
23	3/15/2006	18.56	741595	23 of 28	IWM
24	3/15/2006	18.08	741599	24 of 28	IWM
25	3/15/2006	19.87	741602	25 of 28	IWM
26	3/15/2006	19.78	741603	26 of 28	IWM
27	3/15/2006	16.93	741605	27 of 28	IWM
28	3/15/2006	19.19	741618	28 of 28	IWM
	Subtotal	494.75			
	Total	494.75			

ATTACHMENT F

Underground Storage Tank Removal Report

CAMBRIA

April 13, 2006

Mr. John Rigter
Livermore-Pleasanton Fire Department
Hazardous Materials Inspector
3560 Nevada Street
Pleasanton, California 94566

Re: **Used-Oil Underground Storage Tank and Product Piping Removal and Compliance Sampling Report**
Former Standard Oil Service Station, Chevron Site #30-4291
3884 First Street
Livermore, California

Dear Mr. Rigter:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria), is submitting documentation of the removal of a used-oil underground storage tank (UST) at the above referenced site (Figure 1). Presented below are site background, UST removal activities, compliance sampling and analytic results, and an unauthorized release report.

SITE BACKGROUND

The site is a former gasoline service station, occupying a triangular shaped lot at the intersection of Portola Avenue and First Street in Livermore, California. Local topography is relatively flat, gradually sloping toward the southeast, at an approximate elevation of 520 ft above mean sea level (Figure 1). The surrounding area is comprised of commercial properties to the south, east and west and residential properties to the north and further west.

In February 2006, Cambria conducted a remedial excavation to remove residual petroleum hydrocarbon-impacted soil. On March 8, 2006, a previously unknown used-oil UST was discovered on the south central portion of the site in the vicinity of boring B-2 (Figure 2). This UST appears to have been associated with the first-generation service station facilities. Additionally, product lines and vent lines associated with the second generation USTs were discovered.

Cambria Environmental Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

UST, VENT AND PRODUCT LINE REMOVAL

The UST was discovered during excavation of impacted soil identified and defined by previous investigations. The 4-foot diameter, 350-gallon used-oil UST was approximately half full of a thick, black sludge. The top of the tank was punctured by the back hoe during excavation activities. However, none of the tank contents spilled as a result of this. No additional holes were observed in the tank. Tank removal photographs are included as Attachment A.

Excavation activities were immediately halted after discovery of the tank. Alameda County Environmental Health Services (ACEHS) and Livermore-Pleasanton Fire Department (LPFD) were called and advised of the discovery. ACEHS's Mr. Jerry Wickham informed Cambria that the tank removal oversight was the jurisdiction of the LPFD.

Mr. John Rigter of the LPFD observed tank, vent and product line removal activities. The tank contents were vacuumed out and the inside of the tank was cleaned with pressurized water. The water was then vacuumed out and dry ice was inserted into the tank. The oxygen level and lower explosive limit were monitored until they had reduced to acceptable levels and the tank was removed and transported to a Chevron-approved disposal facility under EPA ID number CAC002601166. Approximately 600 lbs of debris (used-oil tank and piping) and 200 gallons of product mixed with water were disposed. Waste manifests and the Underground Tank Closure Checklist are included as Attachment B.

COMPLIANCE SAMPLING

After tank removal, and under the direction of LPFD, one regulatory compliance sample was collected from beneath the UST, one sample was collected from beneath the product line, and three samples were collected from beneath the vent lines. The samples were trimmed, capped with Teflon tape and plastic end caps, labeled, placed on ice, and transported under chain-of-custody to McCampbell Analytical of Pacheco, California, a state-certified analytical laboratory, for 24-turnaround.

The UST sample was analyzed for the following:

- Polynuclear Aromatic Hydrocarbons (PAHs) by EPA method 8270D;
- Polychlorinated Biphenyls (PCBs) by EPA method 8082A;

- LUFT 5 Metals by EPA method 6010C;
- Total petroleum hydrocarbons as oil and grease with silica gel cleanup by EPA method 5520;
- Volatile Organic Compounds (VOCs) by method 8260B;
- Total petroleum hydrocarbons as gasoline (TPHg) by method 8015;
- TPH as diesel (TPHd) by method 8015 with silica gel cleanup.

The product piping and vent line samples were analyzed for the following:

- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by method 8260B;
- Total petroleum hydrocarbons as gasoline (TPHg) by method 8015;
- TPH as diesel (TPHd) by method 8015 with silica gel cleanup.

Analytic Results: Low concentrations of PAHs (anthracene, bonzo (g,h,i) perylene, chrysene, fluoranthene, 1-methylnaphthalene, 2-methylnaphthalene, naphthalene, phenanthrene and pyrene) were detected. Chromium, lead, nickel and zinc were detected at 64 mg/kg, 43 mg/kg, 200 mg/kg and 45 mg/kg respectively. Total oil and grease was detected at 1,300 mg/kg. VOCs were detected with n-butyl benzene at 0.020 mg/kg, naphthalene at 0.036 mg/kg, n-propyl benzene at 0.011 mg/kg, 1,3,5-trimethylbenzne at 0.014 mg/kg, total xylenes at 0.018 mg/kg, sec-butyl benzene at 0.014 mg/kg and 1,2,4-trimethylbenzene at 0.0050 mg/kg. TPH-g and TPH-d were detected at 16 mg/kg and 170 mg/kg, respectively. PCBs were not detected above method reporting limits. Analyzed constituents were not detected above method reporting limits in samples collected beneath the product piping or vent lines. Copies of the laboratory analytic reports are presented as Attachment C.

UNAUTHORIZED RELEASE REPORT

Soil sample analytic results confirm the release of hydrocarbons in the vicinity of this first generation used-oil UST. An unauthorized release form was submitted to Livermore-Pleasanton Fire Department (Attachment D).

Soil exhibiting unusual staining or other evidence of hydrocarbon impact was excavated from the tank area. Excavation activities are detailed in Cambria's *Remedial Excavation Report*, dated April 14, 2006.

Please call Ms. Laura Genin at (510) 420-3367 if you have any questions or comments.

Sincerely,

Cambria Environmental Technology, Inc.

Laura Genin
Project Geologist

Robert Foss, P.G. #7445
Associate Geologist

Figures: 1 – Vicinity Map
2 – Site Plan

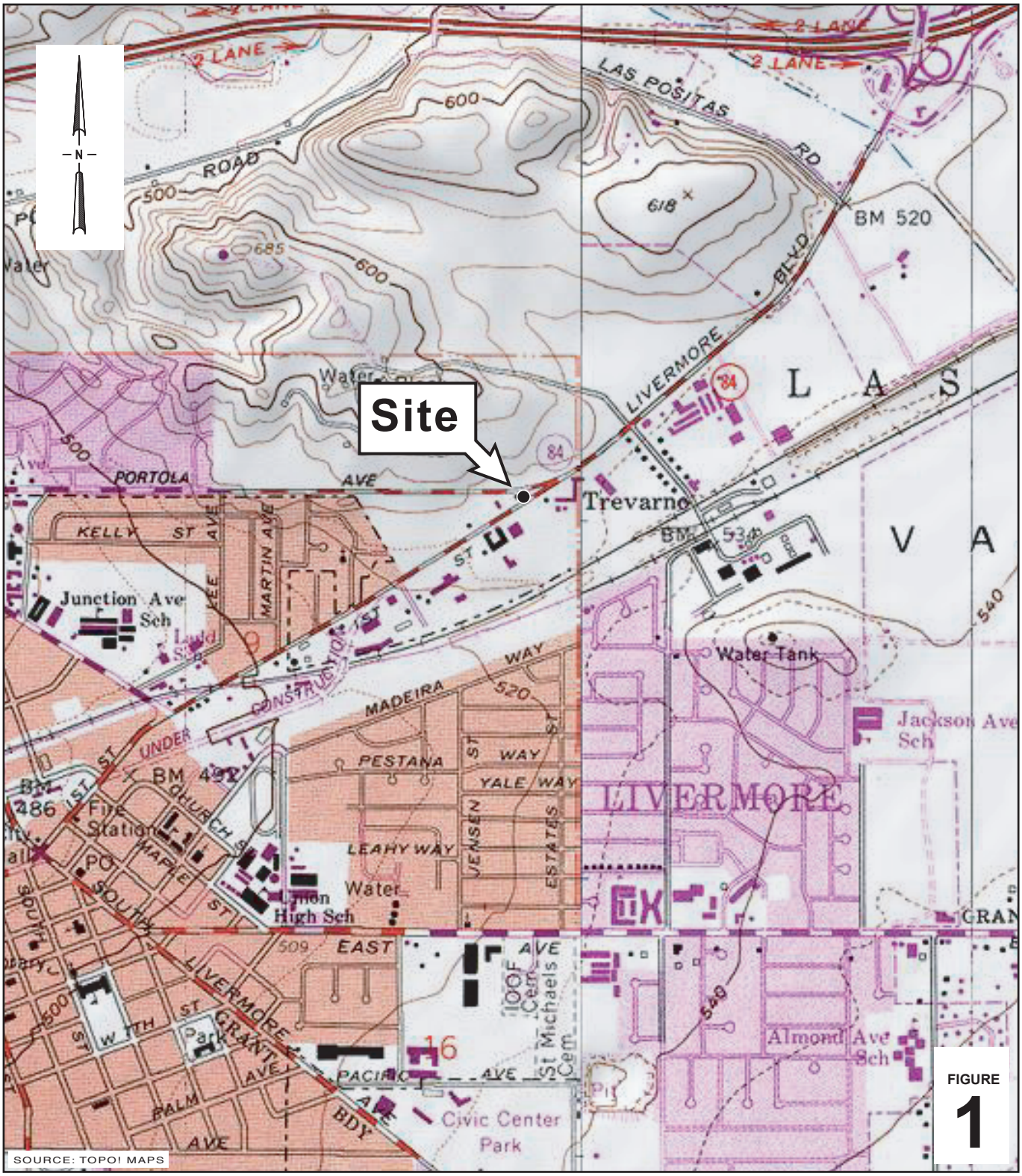
Attachments: A – Photographs
B – Waste Manifests and Underground Tank Closure Checklist
C – Laboratory Analytical Reports
D – Unauthorized Release Report

cc: STRATA (Mark Inglis, Chevron Products Company, 6001 Bollinger Canyon Road, K2256, San Ramon, CA, 94583)
Mr. Steven Clowdsley, Real Estate Consulting, 1561 Ramona Way, Alamo, CA 94507
Alameda County Database

i:\304291 livermore\excavation\30-4291 ust removal 032006.doc

FIGURES

09/03/04



I:\304291 LIVERMORE\FIGURES\VICINITY-MAP.AI

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE
1

Former Standard Oil Service Station 9-0261 (Site No. 304291)

3884 First Street

Livermore, California

CAMBRIA

Vicinity Map

09/28/05

EXPLANATION

CPT-2	◉	CPT boring location
B-1	◉	Soil boring location
CPT-1	▲	Soil vapor boring location
		Product piping
		Excavation

PORTOLA AVENUE

FIRST STREET

vents
former used oil tank
B-7
CPT-4
B-5
CPT-8
CPT-7
B-8
former hoists
B-6
former dispenser island
former USTs
B-9
CPT-3
B-23
former Station Building
B-4
B-10
CPT-2
CPT-10
B-21
B-20
B-3
B-14
B-18
CPT-11
former dispenser island
first generation USTs
B-3
B-12
B-13
B-1
B-22
CPT-9
B-16
B-24
former dispenser island
orphan UST
B-2
CPT-1
CPT-5
B-19
B-11
B-15
CPT-12
B-17
former dispenser islands
CPT-6

0 15 30 60
Approximate Scale (ft)

FIGURE
2

Site Plan with Proposed Geoprobe Boring Locations

Former Standard Oil Service Station 9-0261
(Site No. 304291)
3884 First Street
Livermore, California

CAMBRIA

I:\304291 LIVERMORE\FIGURES\SITEPLAN.DWG

ATTACHMENT A

Photographs

Photograph #1: Tank being cleaned.

Photograph #2: Tank as it is being removed from the ground. The hole located at the top right corner was caused during excavation activities, prior to knowledge of the tank.

Photograph #3: Picture of the tank from the side.

Photograph #4: Tank being loaded into the waste bin for disposal offsite.

Photograph #5: Visible staining in soil around tank area.

ATTACHMENT B

Waste Manifests and Underground Tank Closure Checklist

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

24792342

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC002609116 — Manifest Document No. 69234 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address: Chevron Products Company, P.O. Box 6004, San Ramon, Ca 94583
4. Generator's Phone (925) 842-5931

A. State Manifest Document Number: 24792342
B. State Generator's ID:

5. Transporter 1 Company Name: Ecology Control Industries — 6. US EPA ID Number: CAD982030113
C. State Transporter's ID [Reserved.]:
D. Transporter's Phone: 510 235-1393

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID [Reserved.]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: Romic Environmental, 2081 Bay Road, East Palo Alto Ca 94303 — 10. US EPA ID Number: CAD009452657
G. State Facility's ID:
H. Facility's Phone: 650 324-1638

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. ~~COMBUSTIBLE LIQUID~~, N.O.S., NA1993 III (OIL, SLUDGE)	001	TT	002.00	G	State 223 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: ProFile #339190 ERG# 128
ECI Job # 5273007

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Wear Proper PPE
Site Address 3884 1st St, Livermore, Ca

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Fred Mann for Chevron USA — Signature: [signature] — Month 03 Day 08 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Herschel Collins — Signature: [signature] — Month 03 Day 08 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

DAY OR NIGHT

TELEPHONE

(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard · Richmond, California 94801

CUSTOMER
CHEVRON
JOB. NO 52T3007

3884 1ST Street
Livermore, Ca

FOR: ECOLOGY CONTROL INC TANK NO : 32976

LOCATION: RICHMOND DATE: 3/13/06 TIME: 3:45pm

TEST METHOD: VISUAL GASTECH/1314 SMPN LAST PRODUCT WASTE OIL

This is to certify that I have personally determined that this is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE : 350 GALLON CONDITION: SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY. ECOLOGY CONTROL INDUSTRIES HAS THE APPROPRIATE PERMITS FOR AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or it in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) in the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE James Wilcox INSPECTOR

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

24792297

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAK002601166	Manifest Document No. 92297	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Chevron Products Company, Attn: Kathy Norris, P.O. Box 6004, San Ramon, Ca

4. Generator's Phone (925) 842-5931

A. State Manifest Document Number **24792297**

B. State Generator's ID

5. Transporter 1 Company Name: Ecology Control Industries	6. US EPA ID Number: CAD982030173	C. State Transporter's ID [Reserved.]	D. Transporter's Phone 510 235-1393
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID [Reserved.]	F. Transporter's Phone
9. Designated Facility Name and Site Address: ECOLOGY CONTROL INDUSTRIES, 255 PARR BOULEVARD, RICHMOND CA 94801	10. US EPA ID Number: CAD009466392	G. State Facility's ID	H. Facility's Phone 510 235-1393

GENERATOR

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA, Hazardous Waste, Solid (EMPTY STORAGE TANK (S))	001	TP	01000	P	State 512; EPA/Other NONE
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
a. QTY 1 Empty Storage Tank #32976
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Wear appropriate protective equipment while handling. Weights or volumes are approximate. 24 hour emergency telephone number (800) 321-5479 (ECI Dispatcher).
SITE ADDRESS: 3884 1st St, Livermore, Ca
ECI Job #: 527 3007

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Fred G. Mc[illegible] Chevron USA	[signature]	03	08	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Greg Kriletich	[signature]	03	08	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

Tank Processing JOB #: 52T3007

TANK CERTIFICATION

********** PART 1 – To be completed by the Customer**********

CUSTOMER: Chevron GENERATOR: Chevron State Waste Codes: 512

LOCATION: Livermore EPA I.D.#: CAC 002 601 166 EPA Waste Codes:

TRANSPORTER: ECI MANIFEST #: 24792297

	TANK 1	TANK 2	TANK 3	TANK 4	TANK 5	TANK 6
TANK #:	32976					
CAPACITY:	350g					
DIAMETER:	40"					
LENGTH:	4'					
STEEL/GLASS:	ST w/J					
LAST CONTAINED:	Waste Oil					

LG = Leaded Gas, UG = Unleaded Gas, D = Diesel, UO = Used Oil, FO = Fuel Oil
Specify the material Last Contained if other than above.

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

The waste represented on this manifest is not generated by a chemical manufacturing plant, coke-by product recovery plant of petroleum refinery. As such, it is not regulated under 40 CFR Part 61, Subpart FF (NESHAPS for Benzene Operations).

_____Pursuant to 40 CFR 268.7 I am notifying Ecology Control Industries that the material described by the above manifest is a nonwastewater, Non-RCRA solid hazardous waste and not currently subject to EPA Land Disposal Restrictions.

_____Pursuant to CCR 22 66268.7 I am notifying Ecology Control Industries that the material described by the manifest is a metal containing Non-RCRA solid hazardous waste (662683.29(g)), and an organics containing Non-RCRA solid hazardous waste (66268.29(k)). The treatment standards for these wastes have been repealed. This waste is no longer subject to land disposal restrictions.

I am an authorized agent/representative of the generator. I certify that all information submitted in this and associated documents is complete and accurate to the best of my knowledge. The tanks on the transport equipment have been numbered to correspond with the information provided above. In the event that the tanks do not correspond to the form, I will pay any and all costs incurred in rectifying the discrepancies between the tank(s) and the form. In the event that the tank(s) contain excessive solids or liquids, I agree to pay the cost of preparation, transportation and disposal/recycling of the excess material according to the schedule of charges in effect at the time of receipt of the tank(s). Further, I will not hold Ecology Control Industries responsible for any damage to tanks which occurs after the tanks are removed from the ground.

AUTHORIZED REPRESENTATIVE

SIGNATURE: _____ DATE: 03-08-06

PRINT NAME: Fred C. McNair TITLE: Agent For Chevron USA

Livermore-Pleasanton Fire Department
3560 Nevada St.
Pleasanton, CA 94566
(925) 454-2362 FAX: (925) 454-2367

ECI Drivers:
- Herschel Collins
- Greg Trulletti

UNDERGROUND TANK CLOSURE CHECKLIST

Business Name: Chevron Products Co. Date: 3/2/06

Business Address: 3884 First St, Livermore # Tanks being removed: 1

Tank #1 ___	Size: 550 Gal	Contents:	Used/Waste Oil
Tank #2 ___	Size:	Contents:	
Tank #3 ___	Size:	Contents:	
Tank #4 ___	Size:	Contents:	

1. Tank closure permit has been obtained and is on site. ☑ Yes ☐ No - In Process
2. Any changes from approved closure plan? Not Approved - In Process - Filed w/ Col Bldng D.V
3. A 40 B:C fire extinguisher on site? ☑ Yes ☐ No
4. A residual material removed from tank? ☑ Yes ☐ No Mic Liquids
   If yes, have residuals been properly contained for off-site transport? ☑ Yes ☐ No
   Name of Facility and location: ECI - Richmond Manifest # 24792342 Used/Waste Oil
5. Observed receipt for dry ice? ☑ Yes ☐ No

Number of pounds of dry ice in each tank?	#1	#2	#3	#4
	25			

6. Contractor has calibrated combustible gas detector *in presence of inspector*? ☑ Yes ☐ No
   Comments: Dated 3/6/06
7. Combustible gas readings/oxygen readings:

   Take three measurements, one near the top, center and bottom of tank and report the findings:

Tank #	# of Dry Ice	% LEL (top)	% LEL (mid)	% LEL (bottom)	% O_2 (top)	% O_2 (mid)	% O_2 (bottom)	OK to remove?
1	25	0	0	0	5	5	5	✓
2								
3								
4								

Tank cannot be pulled if concentration of flammable vapors exceeds 20% of the LEL of the material in the tank or the oxygen concentration exceeds 5%.

8. After tank is removed, conditions of tank(s) and piping:

	Tank 1	Tank 2	Tank 3	Tank 4
Any corrosion of holes? - Yes	✓			
Was the tank wrapped? Asphalt Only	✓			
Any hydrocarbon vapors? Slight Oil Product	✓			
Any discoloration of the soil in the tank pit or along piping trench? Slight				

Composition of backfill and other observations: Mixed Base Rock, Clay Fines, Sand

9. Was there evidence of contamination which would trigger the 24-hour release reporting requirements? ☑ Yes ☐ No
If yes, was a blank copy provided to site operator? ☑ Yes ☐ No

10. Has all obvious contamination been removed? ☐ Yes ☑ No

Describe details of approximately how much and where it will be disposed of? NOT EXCAVATED JUST YET

11. Is water observed in tank pit? ☐ Yes ☑ No If yes, a sample of the water must be taken.
Sample collected? ☐ Yes ☑ No N/A

12. Soil samples must be collected in the tank pit under each end of the tank, a minimum of two feet into native soil.
Soil samples were collected according to the closure plan. ☑ Yes ☐ No
Soil samples were collected under piping at 20 ft. intervals and/or fittings. ☐ Yes ☑ No N/A PART OF LOP EXCAVATION/REMOVAL PLAN
Samples of the stockpile were taken to determine disposal options. ☑ Yes ☐ No

13. The samples were properly taken? ☑ Yes ☐ No CASE R00002601
The samples were properly sealed and labeled. ☑ Yes ☐ No (ALAMEDA CO. EH)
The chain of custody form was observed to be properly completed? ☑ Yes ☐ No
The samples were placed in an iced chest? ☑ Yes ☐ No
Name and location of analytical laboratory MCCAMPBELL ANALYTICAL LAB - PACHECO CA

14. The tank pit must be filled with soil or properly barricaded to prevent unauthorized access.
Was the tank pit filled with: ☐ new soil ☐ excavated backfill *- OR -*
Was the tank pit left open pending analytical results? ☑ Yes ☐ No
Was the tank pit covered/barricaded? ☑ Yes ☐ No SITE FENCED

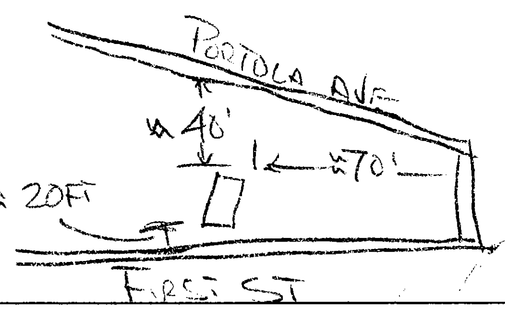
15. Tanks loaded onto hauler vehicle have identifying numbers spray painted on them? ☑ Yes ☑ No IN HAZWASTE BIN W/PIPING (FROM PREVIOUS TANKS)
#32976

16. Hauler provides documentation of current certification as a hazardous waste hauler. ☐ Yes ☐ No

17. Manifest observed to be properly completed (name and address, EPA ID, hauler name, disposal site, signed and dated).
Name and address of disposal site: ECI - RICHMOND MANIFEST # 24792297

18. Were all containers, residual materials, tanks and associated piping transported off site and manifested? ☑ Yes ☐ No

Diagram of tank pit, sample locations and ID



19. Tanks properly cleaned and certified if transported as non-hazardous waste? ☐ Yes ☐ No ☑ N/A

Signed: [illegible signature] Laura Genin Date: 3/8/06 Number of hours to complete : 4

Cambria Env, Representing Chevron

INSPECTOR: JOHN RIGTER [signature]

ATTACHMENT C

Laboratory Analytic Reports

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

RUSH

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510).376-0657	**Fax:** (510)420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	Analysis Request: BTEX & TPH as Gas (602/8020 + 8015)MTBE 8260	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 CL Hc 8260	BTEX ONLY (EPA 602 / 8020) 1,4-Dioxane 8270	EPA 608 / 8080 EDS + EDC (8260)	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270 TAME, ETBE, DIPE, TBA 8260	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals EtOH (8260)	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: PCB, PCP, PNA, CREOSOTE (8270)	Comments
Ex-3-1-5	5'	3.8.06	1710	1	SHUE		X				X				X	X	X		X	X	X			X		X	X			X	

Relinquished By:	Date:	Time:	Received By:
William Lee	3/9/06	1420	Kathleen Owen 3/8/06
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t°				
GOOD CONDITION				
HEAD SPACE ABSENT				
DECHLORINATED IN LAB				
PRESERVATION APPROPRIATE				
CONTAINERS				
PRESERVED IN LAB				

Email results to Lgenin@cam... dglaze@... bfoss@... See attached for list of

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603152 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG; 3884 First St. Livermore C
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 03/09/2006
Date Printed: 03/09/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603152-001	EX-3-1-5 5'	Soil	3/8/06 5:10:00 PM	☐	B	A	A	A	A	A	A					

Test Legend:

1	1,4-DIOXANE_S	2	5520E_SG_S	3	8082A_PCB_S	4	8260B_S	5	8270D-PNA_S
6	G-MBTEX_S	7	LUFT_S	8		9		10	
11		12							

The following SampID: 0603152-001A contains testgroup. Please make sure all relevant testcodes are reported. Many thanks.

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/10/06

1,4-Dioxane by P&T and GC/MS SIM Mode*

Extraction method: SW5030B Analytical methods: SW8260B Work Order: 0603152

Lab ID	Client ID	Matrix	1,4-Dioxane	DF	% SS
001B	EX-3-1-5 5'	S	ND	1	106

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	0.02	mg/kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/09/06

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520E/F Work Order: 0603152

Lab ID	Client ID	Matrix	OG	DF	% SS
0603152-001A	EX-3-1-5 5'	S	1300	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	50	mg/Kg

* water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/09/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/09/06

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C | Analytical Method: SW8082A | Work Order: 0603152

					Reporting Limit for DF =1	
Lab ID	0603152-001A					
Client ID	EX-3-1-5 5'					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	110					
Comments	o					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 03/09/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/10/06

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0603152

Lab ID	0603152-001A
Client ID	EX-3-1-5 5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	0.020	1.0	0.005	sec-Butyl benzene	0.014	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethanol	ND	1.0	0.25	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	0.036	1.0	0.005	Nitrobenzene	ND	1.0	0.1
n-Propyl benzene	0.011	1.0	0.005	Styrene	ND	1.0	0.005
1,1,1,2-Tetrachloroethane	ND	1.0	0.005	1,1,2,2-Tetrachloroethane	ND	1.0	0.005
Tetrachloroethene	ND	1.0	0.005	Toluene	ND	1.0	0.005
1,2,3-Trichlorobenzene	ND	1.0	0.005	1,2,4-Trichlorobenzene	ND	1.0	0.005
1,1,1-Trichloroethane	ND	1.0	0.005	1,1,2-Trichloroethane	ND	1.0	0.005
Trichloroethene	ND	1.0	0.005	Trichlorofluoromethane	ND	1.0	0.005
1,2,3-Trichloropropane	ND	1.0	0.005	1,2,4-Trimethylbenzene	0.0050	1.0	0.005
1,3,5-Trimethylbenzene	0.014	1.0	0.005	Vinyl Chloride	ND	1.0	0.005
Xylenes	0.018	1.0	0.005				

Surrogate Recoveries (%)

%SS1:	94	%SS2:	107
%SS3:	105		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/10/06

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0603152

					Reporting Limit for DF =1	
Lab ID	0603152-001A					
Client ID	EX-3-1-5 5'					
Matrix	S				S	W
DF	5					
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.025				0.005	NA
Acenaphthylene	ND<0.025				0.005	NA
Anthracene	0.035				0.005	NA
Benzo(a)anthracene	0.068				0.005	NA
Benzo(a)pyrene	ND<0.025				0.005	NA
Benzo(b)fluoranthene	ND<0.025				0.005	NA
Benzo(g,h,i)perylene	0.041				0.005	NA
Benzo(k)fluoranthene	ND<0.025				0.005	NA
Chrysene	0.052				0.005	NA
Dibenzo(a,h)anthracene	ND<0.025				0.005	NA
Fluoranthene	0.084				0.005	NA
Fluorene	ND<0.025				0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.025				0.005	NA
1-Methylnaphthalene	0.21				0.005	NA
2-Methylnaphthalene	0.22				0.005	NA
Naphthalene	0.065				0.005	NA
Phenanthrene	0.16				0.005	NA
Pyrene	0.18				0.005	NA
Surrogate Recoveries (%)						
%SS1	120					
%SS2	117					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) estimated to be below this level based on our MDL study; r) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/09/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/09/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0603152

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	EX-3-1-5 5'	S	16,g,m	---	ND	0.011	ND	0.011	1	82

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/09/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/10/06

LUFT 5 Metals*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0603152

Lab ID	Client ID	Matrix	Extraction	Cadmium	Chromium	Lead	Nickel	Zinc	DF	% SS
001A	EX-3-1-5 5'	S	TTLC	ND	64	34	200	45	1	101
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	NA	NA	NA	NA	NA		
	S	TTLC	1.5	1.5	5.0	1.5	5.0	mg/Kg		

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/09/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0603152

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0603152-001A	EX-3-1-5 5'	S	170,g,b	20	107

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

cete 0603117

RUSH

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☑ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510) 376-0657	**Fax:** (510) 420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	Analysis Request: BTEX & TPH as Gas (602/8020 + 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: 8260	8021			Comments
Exp1 - 3.5	304291	3/8/06	10:20		10x2		X				X				X	X														X				Email results to Lgenin@cambria-env dglaze@ " bfoss@ "
Exp2 - 3	↓	↓	11:42		↓		X				X				X	X														X				
Exp3 - 3			11:45				X				X				X	X														X				
Exp4 - 3			11:47				X				X				X	X														X				

Relinquished By:	Date: 3/8/06	Time: 2:05p	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t°				
GOOD CONDITION	PRESERVATION APPROPRIATE			
HEAD SPACE ABSENT	CONTAINERS			
DECHLORINATED IN LAB	PERSERVED IN LAB			

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603117 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG
PO:

Bill to
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: **03/08/2006**
Date Printed: **03/08/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603117-001	EXP1- 3.5	Soil	03/08/2006	☐	A	A										
0603117-002	EXP2- 3	Soil	03/08/2006	☐	A	A										
0603117-003	EXP3- 3	Soil	03/08/2006	☐	A	A										
0603117-004	EXP4- 3	Soil	03/08/2006	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0603117-001A, 0603117-002A, 0603117-003A, 0603117-004A contain testgroup. Please make sure all relevant testcodes are reported. Many thanks.

Prepared by: Rosa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/08/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/08/06
	Client P.O.:	Date Analyzed: 03/08/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0603117

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EXP1- 3.5	S	ND	1	90
002A	EXP2- 3	S	ND	1	93
003A	EXP3- 3	S	ND	1	93
004A	EXP4- 3	S	ND	1	90

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/08/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/08/06
	Client P.O.:	Date Analyzed: 03/08/06

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0603117

Lab ID	0603117-001A	0603117-002A	0603117-003A	0603117-004A	Reporting Limit for DF =1	
Client ID	EXP1- 3.5	EXP2- 3	EXP3- 3	EXP4- 3		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	96	96	95	95		
%SS2:	106	106	106	105		
%SS3:	104	104	102	102		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/08/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/08/06
	Client P.O.:	Date Analyzed: 03/08/06-03/09/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0603117

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0603117-001A	EXP1- 3.5	S	ND	1	89
0603117-002A	EXP2- 3	S	ND	1	101
0603117-003A	EXP3- 3	S	ND	1	89
0603117-004A	EXP4- 3	S	ND	1	88

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0603117

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 20640	Spiked Sample ID: 0603085-008A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	114	115	0.951	111	112	0.842	70 - 130	70 - 130
MTBE	ND	0.10	96	93.8	2.32	95	96.4	1.49	70 - 130	70 - 130
Benzene	ND	0.10	91.1	92.5	1.57	89.7	96.5	7.23	70 - 130	70 - 130
Toluene	ND	0.10	90.4	91.7	1.45	89.1	95.1	6.48	70 - 130	70 - 130
Ethylbenzene	ND	0.10	93.4	94.9	1.55	91.2	97.9	7.10	70 - 130	70 - 130
Xylenes	ND	0.30	95	99	4.12	91	99	8.42	70 - 130	70 - 130
%SS:	85	0.10	99	83	17.6	99	117	16.7	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20640 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603117-001A	3/08/06 10:20 AM	3/08/06	3/08/06 9:41 PM	0603117-002A	3/08/06 11:42 AM	3/08/06	3/08/06 10:11 PM
0603117-003A	3/08/06 11:45 AM	3/08/06	3/08/06 10:40 PM	0603117-004A	3/08/06 11:47 AM	3/08/06	3/08/06 11:40 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0603117

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 20632	Spiked Sample ID: 0603117-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	120	118	1.45	116	120	2.97	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	106	105	0.321	108	108	0	70 - 130	70 - 130
Toluene	ND	0.050	116	113	2.71	116	114	2.08	70 - 130	70 - 130
%SS1:	96	0.050	108	107	0.957	108	108	0	70 - 130	70 - 130
%SS2:	106	0.050	102	101	0.613	101	102	1.24	70 - 130	70 - 130
%SS3:	104	0.050	109	112	2.23	109	110	0.623	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20632 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603117-001A	3/08/06 10:20 AM	3/08/06	3/08/06 4:34 PM	0603117-002A	3/08/06 11:42 AM	3/08/06	3/08/06 5:17 PM
0603117-003A	3/08/06 11:45 AM	3/08/06	3/08/06 6:00 PM	0603117-004A	3/08/06 11:47 AM	3/08/06	3/08/06 6:43 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644 _____ QA/QC Officer

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0603117

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 20642	Spiked Sample ID: 0603091-008B

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	106	107	1.31	107	108	1.03	70 - 130	70 - 130
%SS:	91	50	97	98	1.38	98	99	0.779	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20642 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603117-001A	3/08/06 10:20 AM	3/08/06	3/09/06 11:04 AM	0603117-002A	3/08/06 11:42 AM	3/08/06	3/09/06 11:04 AM
0603117-003A	3/08/06 11:45 AM	3/08/06	3/08/06 5:22 PM	0603117-004A	3/08/06 11:47 AM	3/08/06	3/08/06 6:30 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644 _____ QA/QC Officer

ATTACHMENT D

Unauthorized Release Report

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/ CONTAMINATION SITE REPORT

EMERGENCY ☐ Yes ☒ No

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ Yes ☒ No

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PERSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.
SIGNED _____ DATE _____

REPORT DATE: 03-09-06

CASE #:

FILE COPY

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Laura Genin

PHONE: 510-420-0700

SIGNATURE: Laura

REPRESENTING: ☐ LOCAL AGENCY ☐ REGIONAL BOARD ☒ OWNER/OPERATOR ☐ OTHER...

COMPANY OR AGENCY NAME: Chevron Products Company

ADDRESS: 5900 Hollis St, Ste A STREET Emeryville CITY CA STATE 94608 ZIP

RESPONSIBLE PARTY

NAME: Standard Oil Co. of Cal. ☐ Unknown "Chevron Products Co."

PHONE:

ADDRESS: PO Box 6012 Rm 52256 STREET San Ramon CITY CA STATE 94583 ZIP

SITE LOCATION

FACILITY NAME (IF APPLICABLE): NA

OPERATOR: NA

PHONE: NA

ADDRESS: 3884 1st St. STREET Livermore CITY CA COUNTY Alameda ZIP

CROSS STREET: Portola

IMPLEMENTING AGENCIES

LOCAL AGENCY: Livermore-Pleasanton Fire Dept AGENCY NAME: John Rigter PHONE: 925-454-2377

REGIONAL BOARD: PHONE:

SUBSTANCES INVOLVED

(1) NAME: waste oil QUANTITY LOST (GALLONS): ☒ Unknown

(2) ☐ Unknown

DISCOVERY/ABATEMENT

DATE DISCOVERED: 03-08-06

HOW DISCOVERED: ☐ Tank Test ☒ Tank Removal ☐ Nuisance Conditions ☐ Inventory Control ☐ Subsurface Monitoring ☐ Other...

DATE DISCHARGE BEGAN: ☒ Unknown

HAS DISCHARGE BEEN STOPPED? ☒ Yes ☐ No IF YES, DATE 03-08-06

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ Remove Contents ☒ Close Tank - Removed ☐ Repair Tank ☐ Change Procedure ☐ Replace Tank ☐ Other... ☐ Repair Piping

SOURCE/ CAUSE

SOURCE OF DISCHARGE: ☐ Tank Leak ☐ Piping Leak ☒ Unknown ☐ Other...

CAUSE(S): ☐ Overfill ☐ Corrosion ☐ Rupture/Failure ☒ Unknown ☐ Spill ☐ Other...

CASE TYPE

CHECK ONE ONLY: ☐ Undetermined ☒ Soil Only ☐ Groundwater ☐ Drinking Water - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY:
☐ No Action Taken
☐ Leak Being Confirmed
☐ Remediation Plan
☐ Preliminary Site Assessment Workplan Submitted
☐ Preliminary Site Assessment Underway
☐ Case Closed (Cleanup Completed or Unnecessary)
☐ Pollution Characterization
☐ Post Cleanup Monitoring in Progress
☒ Cleanup Underway Excavation

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S):
☐ Cap Site (CD)
☐ Contamination Barrier (CB)
☐ Vacuum Extract (VE)
☒ Excavate & Dispose (ED)
☐ Excavate & Treat (ET)
☐ No Action Required (NA)
☐ Remove Free Product (FP)
☐ Pump & Treat Groundwater (GT)
☐ Treatment at Hookup (HU)
☐ Enhanced Bio Degradation (IT)
☐ Replace Supply (RS)
☐ Vent Soil (VS)
☐ Other...

COMMENTS

Soil Removal and disposal is under way.

ATTACHMENT G

Compaction Testing Report

To be attached as an addendum at a later date.

ATTACHMENT H

Laboratory Analytic Reports

0602390 CLIE

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☒ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510) 376-0657	**Fax:** (510) 420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
EX-1-1	18'	2.22	930	1			X				X			
EX-1-2	17'		932											
EX-1-3	17'		935											
EX-1-4	17'		940											
EX-1-5	11'		942											
EX-1-6	5'		945											
EX-1-7	17'		950											
EX-1-8	12'		952											
EX-1-9	9'		955	2 s/sleeve										
EX-1-10	17'		1220											
EX-1-11	12'		1225											
EX-1-12	6'		1230											
EX-1-13	17'		1230											
EX-1-14	12'		1235											

Analysis Request

TPH as Gas (602/8020 + 8015) *	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260 BTEX only	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
X	X							X						

Other

Comments

Email results to Lgenin@cambria-env. dglaze@ " bfoss@ "

* BTEX by 8260 only report TPHg+d, BTEX

Relinquished By:	Date:	Time:	Received By:
	2/22/06	330	Kathleen Owen
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION				
APPROPRIATE	✓			
CONTAINERS				

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

RUSH

TURN AROUND TIME ☒ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510) 376-0657	**Fax:** (510) 420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature: Dan Glaze	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX & TPH as Gas (602/8020 + 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260 BTEX Only	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
EX1-15	17'	2/22	1235	1	T		X								X	X							X								
EX1-16	12'	"	1240	"	"		"								"	"							"								
EX1-17	6	"	1240	"	SOIL		"								"	"							"								

Relinquished By:	Date:	Time:	Received By:
Dan Glaze	2/22/06	330	Kathleen Owen
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ VOAS | O&G | METALS | OTHER
GOOD CONDITION ✓ PRESERVATION ✓
HEAD SPACE ABSENT ____ APPROPRIATE
DECHLORINATED IN LAB ____ CONTAINERS ✓
PERSERVED IN LAB ____

Email results to Lgenin@cambria-env.com dglaze@cambria-env.com bfoss@cambria-env.com
* BTEX by 8260 only report TPHg + BTEX

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0602390 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 02/22/2006
Date Printed: 02/22/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0602390-001	EX-1-1	Soil	2/22/06 9:30:00 AM	☐	A	A										
0602390-002	EX-1-2	Soil	2/22/06 9:32:00 AM	☐	A	A										
0602390-003	EX-1-3	Soil	2/22/06 9:35:00 AM	☐	A	A										
0602390-004	EX-1-4	Soil	2/22/06 9:40:00 AM	☐	A	A										
0602390-005	EX-1-5	Soil	2/22/06 9:42:00 AM	☐	A	A										
0602390-006	EX-1-6	Soil	2/22/06 9:45:00 AM	☐	A	A										
0602390-007	EX-1-7	Soil	2/22/06 9:50:00 AM	☐	A	A										
0602390-008	EX-1-8	Soil	2/22/06 9:52:00 AM	☐	A	A										
0602390-009	EX-1-9	Soil	2/22/06 9:55:00 AM	☐	A	A										
0602390-010	EX-1-10	Soil	2/22/06 12:20:00	☐	A	A										
0602390-011	EX-1-11	Soil	2/22/06 12:25:00	☐	A	A										
0602390-012	EX-1-12	Soil	2/22/06 12:30:00	☐	A	A										
0602390-013	EX-1-13	Soil	2/22/06 12:30:00	☐	A	A										
0602390-014	EX-1-14	Soil	2/22/06 12:35:00	☐	A	A										
0602390-015	EX-1-15	Soil	2/22/06 12:35:00	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0602390-001A, 0602390-002A, 0602390-003A, 0602390-004A, 0602390-005A, 0602390-006A, 0602390-007A, 0602390-008A, 0602390-009A, 0602390-010A, 0602390-011A, 0602390-012A, 0602390-013A, 0602390-014A, 0602390-015A, 0602390-

Prepared by: Kathleen Owen

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0602390 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 02/22/2006
Date Printed: 02/22/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0602390-016	EX-1-16	Soil	2/22/06 12:40:00	☐	A	A										
0602390-017	EX-1-17	Soil	2/22/06 12:40:00	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0602390-001A, 0602390-002A, 0602390-003A, 0602390-004A, 0602390-005A, 0602390-006A, 0602390-007A, 0602390-008A, 0602390-009A, 0602390-010A, 0602390-011A, 0602390-012A, 0602390-013A, 0602390-014A, 0602390-015A, 0602390-

Prepared by: Kathleen Owen

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0602390

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX-1-1	S	25,a,m	2	90
002A	EX-1-2	S	2.7,g	1	91
003A	EX-1-3	S	ND	1	82
004A	EX-1-4	S	1100,a,m	67	94
005A	EX-1-5	S	1500,b,m	200	116
006A	EX-1-6	S	43,b,m	10	91
007A	EX-1-7	S	ND	1	92
008A	EX-1-8	S	2100,b,m	200	106
009A	EX-1-9	S	ND	1	81
010A	EX-1-10	S	57,g,m	2	119
011A	EX-1-11	S	ND	1	88
012A	EX-1-12	S	ND	1	99
013A	EX-1-13	S	ND	1	80
014A	EX-1-14	S	ND	1	81
015A	EX-1-15	S	ND	1	83
016A	EX-1-16	S	ND	1	82

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0602390

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
017A	EX-1-17	S	ND	1	85

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602390

Lab ID	0602390-001A	0602390-002A	0602390-003A	0602390-004A	Reporting Limit for DF =1	
Client ID	EX-1-1	EX-1-2	EX-1-3	EX-1-4		
Matrix	S	S	S	S		
DF	1	1	1	20	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	0.012	ND	ND	0.56	0.005	NA
Ethylbenzene	0.012	ND	ND	3.1	0.005	NA
Toluene	ND	ND	ND	ND<0.10	0.005	NA
Xylenes	ND	ND	ND	2.1	0.005	NA
Surrogate Recoveries (%)						
%SS1:	96	96	96	95		
%SS2:	104	108	110	103		
%SS3:	116	117	119	117		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602390

Lab ID	0602390-005A	0602390-006A	0602390-007A	0602390-008A	Reporting Limit for DF =1	
Client ID	EX-1-5	EX-1-6	EX-1-7	EX-1-8		
Matrix	S	S	S	S		
DF	100	2	1	20	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	0.96	0.019	ND	ND<0.10	0.005	NA
Ethylbenzene	11	0.23	ND	3.7	0.005	NA
Toluene	ND<0.50	ND<0.010	ND	ND<0.10	0.005	NA
Xylenes	30	0.78	ND	1.1	0.005	NA
Surrogate Recoveries (%)						
%SS1:	106	102	101	101		
%SS2:	104	105	104	110		
%SS3:	112	115	116	117		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602390

Lab ID	0602390-009A	0602390-010A	0602390-011A	0602390-012A	Reporting Limit for DF =1	
Client ID	EX-1-9	EX-1-10	EX-1-11	EX-1-12		
Matrix	S	S	S	S		
DF	1	2	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND<0.010	ND	ND	0.005	NA
Ethylbenzene	ND	ND<0.010	ND	ND	0.005	NA
Toluene	ND	ND<0.010	ND	ND	0.005	NA
Xylenes	ND	ND<0.010	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	101	104	100	100		
%SS2:	106	102	106	104		
%SS3:	119	118	119	120		
Comments		j				

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602390

Lab ID	0602390-013A	0602390-014A	0602390-015A	0602390-016A	Reporting Limit for DF =1	
Client ID	EX-1-13	EX-1-14	EX-1-15	EX-1-16		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	100	101	100	101		
%SS2:	104	104	105	105		
%SS3:	120	120	118	117		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602390

Lab ID	0602390-017A				Reporting Limit for DF =1		
Client ID	EX-1-17						
Matrix	S						
DF	1				S	W	
Compound	**Concentration**				mg/kg	ug/L	
Benzene	ND				0.005	NA	
Ethylbenzene	ND				0.005	NA	
Toluene	ND				0.005	NA	
Xylenes	ND				0.005	NA	
Surrogate Recoveries (%)							
%SS1:	100						
%SS2:	105						
%SS3:	114						
Comments							

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0602390

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0602390-001A	EX-1-1	S	6.2,n	1	86
0602390-002A	EX-1-2	S	2.0,n	1	85
0602390-003A	EX-1-3	S	ND	1	87
0602390-004A	EX-1-4	S	95,n	1	82
0602390-005A	EX-1-5	S	590,d,b	1	81
0602390-006A	EX-1-6	S	14,d,g	1	102
0602390-007A	EX-1-7	S	ND	1	88
0602390-008A	EX-1-8	S	250,n,b	1	100
0602390-009A	EX-1-9	S	ND	1	86
0602390-010A	EX-1-10	S	13,n	1	93
0602390-011A	EX-1-11	S	ND	1	99
0602390-012A	EX-1-12	S	ND	1	99
0602390-013A	EX-1-13	S	ND	1	97
0602390-014A	EX-1-14	S	ND	1	97
0602390-015A	EX-1-15	S	ND	1	97
0602390-016A	EX-1-16	S	ND	1	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/22/06
5900 Hollis St, Suite A		Date Received: 02/22/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/22/06
	Client P.O.:	Date Analyzed: 02/22/06-02/23/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0602390

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0602390-017A	EX-1-17	S	1.0,f,b	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602390

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 20432	Spiked Sample ID: 0602390-003A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	0.60	114	113	0.866	118	116	1.75	70 - 130	70 - 130
MTBE	ND	0.10	82.3	82.1	0.150	99.9	101	0.808	70 - 130	70 - 130
Benzene	ND	0.10	101	96.7	4.23	93.5	96.7	3.37	70 - 130	70 - 130
Toluene	ND	0.10	100	96.2	4.12	94.5	95.6	1.17	70 - 130	70 - 130
Ethylbenzene	ND	0.10	104	99.4	4.06	98	100	2.33	70 - 130	70 - 130
Xylenes	ND	0.30	103	100	3.28	103	100	3.28	70 - 130	70 - 130
%SS:	82	0.10	102	99.8	1.67	96.5	97.2	0.728	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20432 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602390-001A	2/22/06 9:30 AM	2/22/06	2/23/06 9:31 AM	0602390-002A	2/22/06 9:32 AM	2/22/06	2/23/06 12:07 PM
0602390-003A	2/22/06 9:35 AM	2/22/06	2/23/06 6:23 AM	0602390-004A	2/22/06 9:40 AM	2/22/06	2/23/06 10:31 AM
0602390-005A	2/22/06 9:42 AM	2/22/06	2/23/06 3:06 AM	0602390-006A	2/22/06 9:45 AM	2/22/06	2/23/06 3:39 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602390

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 20444	Spiked Sample ID: 0602390-015A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) £	ND	0.60	116	115	1.00	115	113	1.77	70 - 130	70 - 130
MTBE	ND	0.10	97.5	96.3	1.19	101	98.9	2.52	70 - 130	70 - 130
Benzene	ND	0.10	97.2	99.5	2.32	103	97.8	4.99	70 - 130	70 - 130
Toluene	ND	0.10	97.2	98.2	1.04	102	96.6	5.33	70 - 130	70 - 130
Ethylbenzene	ND	0.10	100	102	1.53	105	101	4.53	70 - 130	70 - 130
Xylenes	ND	0.30	100	103	3.28	103	103	0	70 - 130	70 - 130
%SS:	83	0.10	98	104	5.43	104	104	0	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20444 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602390-007A	2/22/06 9:50 AM	2/22/06	2/23/06 11:34 AM	0602390-008A	2/22/06 9:52 AM	2/22/06	2/23/06 4:45 AM
0602390-009A	2/22/06 9:55 AM	2/22/06	2/22/06 7:50 PM	0602390-010A	2/22/06 12:20 PM	2/22/06	2/23/06 11:00 AM
0602390-011A	2/22/06 12:25 PM	2/22/06	2/23/06 3:45 AM	0602390-012A	2/22/06 12:30 PM	2/22/06	2/22/06 8:20 PM
0602390-013A	2/22/06 12:30 PM	2/22/06	2/22/06 8:50 PM	0602390-014A	2/22/06 12:35 PM	2/22/06	2/22/06 9:20 PM
0602390-015A	2/22/06 12:35 PM	2/22/06	2/22/06 9:49 PM	0602390-016A	2/22/06 12:40 PM	2/22/06	2/23/06 4:14 AM
0602390-017A	2/22/06 12:40 PM	2/22/06	2/22/06 10:19 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644 _____QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602390

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 20424	Spiked Sample ID: 0602367-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	107	106	0.343	94.7	106	11.7	70 - 130	70 - 130
%SS:	99	50	103	103	0	96	100	3.63	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20424 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602390-001A	2/22/06 9:30 AM	2/22/06	2/22/06 6:43 PM	0602390-002A	2/22/06 9:32 AM	2/22/06	2/22/06 7:52 PM
0602390-003A	2/22/06 9:35 AM	2/22/06	2/22/06 9:00 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644 _____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602390

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 20443	Spiked Sample ID: 0602390-015A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	99.6	102	2.02	102	102	0	70 - 130	70 - 130
%SS:	97	50	92	94	2.73	94	93	0.556	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20443 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602390-004A	2/22/06 9:40 AM	2/22/06	2/22/06 10:09 PM	0602390-005A	2/22/06 9:42 AM	2/22/06	2/22/06 11:17 PM
0602390-006A	2/22/06 9:45 AM	2/22/06	2/23/06 9:39 AM	0602390-007A	2/22/06 9:50 AM	2/22/06	2/23/06 2:42 AM
0602390-008A	2/22/06 9:52 AM	2/22/06	2/23/06 9:18 AM	0602390-009A	2/22/06 9:55 AM	2/22/06	2/23/06 7:16 AM
0602390-010A	2/22/06 12:20 PM	2/22/06	2/23/06 8:25 AM	0602390-011A	2/22/06 12:25 PM	2/22/06	2/22/06 6:43 PM
0602390-012A	2/22/06 12:30 PM	2/22/06	2/22/06 7:52 PM	0602390-013A	2/22/06 12:30 PM	2/22/06	2/22/06 9:00 PM
0602390-014A	2/22/06 12:35 PM	2/22/06	2/22/06 10:09 PM	0602390-015A	2/22/06 12:35 PM	2/22/06	2/22/06 11:17 PM
0602390-016A	2/22/06 12:40 PM	2/22/06	2/23/06 12:26 AM	0602390-017A	2/22/06 12:40 PM	2/22/06	2/23/06 1:34 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644 _____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602390

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 20403	Spiked Sample ID: 0602329-003A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	0.98	0.050	NR	NR	NR	112	108	3.25	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	2.5	0.050	NR	NR	NR	101	101	0	70 - 130	70 - 130
Toluene	0.81	0.050	NR	NR	NR	107	106	0.809	70 - 130	70 - 130
%SS1:	105	0.050	102	103	1.44	101	102	1.31	70 - 130	70 - 130
%SS2:	99	0.050	95	97	1.77	97	100	3.60	70 - 130	70 - 130
%SS3:	105	0.050	95	100	5.56	101	94	7.66	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20403 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602390-001A	2/22/06 9:30 AM	2/22/06	2/22/06 9:39 PM	0602390-002A	2/22/06 9:32 AM	2/22/06	2/22/06 10:22 PM
0602390-003A	2/22/06 9:35 AM	2/22/06	2/23/06 12:30 AM	0602390-004A	2/22/06 9:40 AM	2/22/06	2/23/06 1:12 AM
0602390-005A	2/22/06 9:42 AM	2/22/06	2/23/06 8:44 AM	0602390-006A	2/22/06 9:45 AM	2/22/06	2/23/06 9:27 AM
0602390-007A	2/22/06 9:50 AM	2/22/06	2/23/06 12:04 AM	0602390-008A	2/22/06 9:52 AM	2/22/06	2/23/06 12:46 AM
0602390-009A	2/22/06 9:55 AM	2/22/06	2/23/06 1:29 AM	0602390-010A	2/22/06 12:20 PM	2/22/06	2/23/06 8:54 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644 _____ QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602390

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 20445	Spiked Sample ID: 0602390-015A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	110	111	0.608	105	113	6.79	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	96.1	95	1.18	94.7	98.9	4.35	70 - 130	70 - 130
Toluene	ND	0.050	103	105	1.78	95	102	6.73	70 - 130	70 - 130
%SS1:	100	0.050	102	100	2.20	104	103	1.30	70 - 130	70 - 130
%SS2:	105	0.050	95	95	0	93	95	1.86	70 - 130	70 - 130
%SS3:	118	0.050	96	91	6.05	92	97	5.02	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20445 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602390-011A	2/22/06 12:25 PM	2/22/06	2/23/06 2:53 AM	0602390-012A	2/22/06 12:30 PM	2/22/06	2/23/06 3:35 AM
0602390-013A	2/22/06 12:30 PM	2/22/06	2/23/06 4:18 AM	0602390-014A	2/22/06 12:35 PM	2/22/06	2/23/06 5:00 AM
0602390-015A	2/22/06 12:35 PM	2/22/06	2/23/06 5:43 AM	0602390-016A	2/22/06 12:40 PM	2/22/06	2/23/06 6:25 AM
0602390-017A	2/22/06 12:40 PM	2/22/06	2/23/06 7:07 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644 _____ QA/QC Officer

RUSH

McCAMPBELL ANALYTICAL INC.

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PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☒ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze **Bill To:** Cambria - Dan Glaze

Company: Cambria
5900 Hollis St. Ste A
Emeryville

E-Mail: dglaze@cambria-env.com

Tele: (510).376-0657 **Fax:** (510)420-9170

Project #: 304291-DG **Project Name:** 304291-DG

Project Location: 3884 First St. Livermore CA

Sampler Signature: Dan Glaze

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
EX2-1	12	2/24/06	200	1	T		X				X			
EX2-2	6	"	205	"	"		"				"			
EX2-3	12	"	210	"	"		"				"			
EX2-4	6	"	215	"	"		"				"			
EX2-5	12	"	215	"	"		"				"			
EX2-6	6	"	220	"	"		"				"			

Analysis Request

~~BTEX & TPH as Gas (602/8020 + 8015) MTBE~~	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA ~~602 / 8020~~ 8260)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
X	X				X									
"	"				"									
"	"				"									
"	"				"									
"	"				"									
"	"				"									

Other

Comments: Email results to Lgenin@cambria-env.com
dglaze@ " "
bfoss@ " "
BTEX by 8260
TPHgtd 8015
only report BTEX, Gas, Diesel

Relinquished By:	Date:	Time:	Received By:
Dan Glaze	2/24/06	545PM	Kathleen Owen
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ ✓
GOOD CONDITION ____
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____

	VOAS	O&G	METALS	OTHER
PRESERVATION APPROPRIATE				
CONTAINERS				

PERSERVED IN LAB ____

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0602448 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 02/24/2006
Date Printed: 02/24/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0602448-001	EX2-1	Soil	2/24/06 2:00:00 PM	☐	A	A										
0602448-002	EX2-2	Soil	2/24/06 2:05:00 PM	☐	A	A										
0602448-003	EX2-3	Soil	2/24/06 2:10:00 PM	☐	A	A										
0602448-004	EX2-4	Soil	2/24/06 2:15:00 PM	☐	A	A										
0602448-005	EX2-5	Soil	2/24/06 2:15:00 PM	☐	A	A										
0602448-006	EX2-6	Soil	2/24/06 2:20:00 PM	☐	A	A										

Test Legend:

1	8260B_S	2	G-MBTEX_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0602448-001A, 0602448-002A, 0602448-003A, 0602448-004A, 0602448-005A, 0602448-006A contain testgroup.
Please make sure all relevant testcodes are reported. Many thanks.

Prepared by: Kathleen Owen

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/24/06
5900 Hollis St, Suite A		Date Received: 02/24/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/24/06
	Client P.O.:	Date Analyzed: 02/24/06-02/25/06

BTEX by GC/MS

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602448

Lab ID	0602448-001A	0602448-002A	0602448-003A	0602448-004A	Reporting Limit for DF =1	
Client ID	EX2-1	EX2-2	EX2-3	EX2-4		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	101	100	101	101		
%SS2:	105	105	105	104		
%SS3:	119	118	116	117		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/24/06
5900 Hollis St, Suite A		Date Received: 02/24/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/24/06
	Client P.O.:	Date Analyzed: 02/24/06-02/25/06

BTEX by GC/MS

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602448

					Reporting Limit for DF =1	
Lab ID	0602448-005A	0602448-006A				
Client ID	EX2-5	EX2-6				
Matrix	S	S				
DF	4000	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	68	ND			0.005	NA
Toluene	800	0.011			0.005	NA
Ethylbenzene	230	ND			0.005	NA
Xylenes	1000	0.011			0.005	NA
Surrogate Recoveries (%)						
%SS1:	103	100				
%SS2:	109	104				
%SS3:	116	114				
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/24/06
5900 Hollis St, Suite A		Date Received: 02/24/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/24/06
	Client P.O.:	Date Analyzed: 02/25/06-02/27/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0602448

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX2-1	S	ND	1	86
002A	EX2-2	S	ND	1	89
003A	EX2-3	S	ND	1	87
004A	EX2-4	S	ND	1	91
005A	EX2-5	S	17,000,a	1000	109
006A	EX2-6	S	ND	1	85

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/24/06
5900 Hollis St, Suite A		Date Received: 02/24/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/24/06
	Client P.O.:	Date Analyzed: 02/24/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0602448

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0602448-001A	EX2-1	S	ND	1	100
0602448-002A	EX2-2	S	ND	1	100
0602448-003A	EX2-3	S	ND	1	104
0602448-004A	EX2-4	S	ND	1	103
0602448-005A	EX2-5	S	1600,d	10	97
0602448-006A	EX2-6	S	ND	1	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

RUSH

TURN AROUND TIME: RUSH ☑ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY ☐

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	Bill To: Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	E-Mail: dglaze@cambria-env.com
Tele: (510) 376-0657	Fax: (510) 420-9170
Project #: 304291-DG	Project Name: 304291-DG
Project Location: ~~3884~~ First St. Livermore CA	
Sampler Signature: Dan Glaze	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: ~~BTEX & TPH as Gas (602/8020 + 8015)~~ MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (~~EPA 602 / 8020~~) 8260	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
Ex-2-29	20'	2.28	1320	1	T		X					X			X	X				X											
Ex-2-30	12'	2.28	1322	1	T		X					X			X	X				X											
Ex-2-31	6	2.28	1324	1	T		X					X			X	X				X											
Ex-2-32	20	2.28	1326	1	T		X					X			X	X				X											
Ex-2-33	12	2.28	1328	1	Sleeve		X					X			X	X				X											
Ex-2-34	6'	2.28	1330	1	Sleeve		X					X			X	X				X											
Ex-2-35	20	2.28	1332	1	Sleeve		X					X			X	X				X											
Ex-2-36	12	2.28	1334	1	T		X					X			X	X				X											
Ex-2-37	6'	2.28	1336	1	T		X					X			X	X				X											

Other: VOAS | O&G | METALS | OTHER

Comments: Email results to Lgenin@cam... dglaze@... bfoss@...

Relinquished By: Dan Glaze	Date: 2/28	Time: 2:35	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ PRESERVATION
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PERSERVED IN LAB ____

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0602500 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 02/28/2006
Date Printed: 02/28/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0602500-001	EX-2-29	Soil	2/28/06 1:20:00 PM	☐	A	A										
0602500-002	EX-2-30	Soil	2/28/06 1:22:00 PM	☐	A	A										
0602500-003	EX-2-31	Soil	2/28/06 1:24:00 PM	☐	A	A										
0602500-004	EX-2-32	Soil	2/28/06 1:26:00 PM	☐	A	A										
0602500-005	EX-2-33	Soil	2/28/06 1:28:00 PM	☐	A	A										
0602500-006	EX-2-34	Soil	2/28/06 1:30:00 PM	☐	A	A										
0602500-007	EX-2-35	Soil	2/28/06 1:32:00 PM	☐	A	A										
0602500-008	EX-2-36	Soil	2/28/06 1:34:00 PM	☐	A	A										
0602500-009	EX-2-37	Soil	2/28/06 1:36:00 PM	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0602500-001A, 0602500-002A, 0602500-003A, 0602500-004A, 0602500-005A, 0602500-006A, 0602500-007A, 0602500-008A, 0602500-009A contain testgroup. Please make sure all relevant testcodes are reported. Many thanks.

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/28/06
		Date Received: 02/28/06
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 02/28/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 02/28/06-03/01/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0602500

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX-2-29	S	ND	1	93
002A	EX-2-30	S	ND	1	87
003A	EX-2-31	S	ND	1	83
004A	EX-2-32	S	ND	1	99
005A	EX-2-33	S	ND	1	85
006A	EX-2-34	S	ND	1	96
007A	EX-2-35	S	2.5,a	1	87
008A	EX-2-36	S	ND	1	82
009A	EX-2-37	S	ND	1	91

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/28/06
5900 Hollis St, Suite A		Date Received: 02/28/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/28/06
	Client P.O.:	Date Analyzed: 02/28/06

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602500

Lab ID	0602500-001A	0602500-002A	0602500-003A	0602500-004A	Reporting Limit for DF =1	
Client ID	EX-2-29	EX-2-30	EX-2-31	EX-2-32		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	0.077	0.005	NA
Ethylbenzene	ND	ND	ND	0.017	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	86	102	103	91		
%SS2:	100	103	103	92		
%SS3:	99	114	118	100		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/28/06
5900 Hollis St, Suite A		Date Received: 02/28/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/28/06
	Client P.O.:	Date Analyzed: 02/28/06

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602500

Lab ID	0602500-005A	0602500-006A	0602500-007A	0602500-008A	Reporting Limit for DF =1	
Client ID	EX-2-33	EX-2-34	EX-2-35	EX-2-36		
Matrix	S	S	S	S		
DF	1	1	2	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	0.25	ND	0.005	NA
Ethylbenzene	ND	ND	0.060	ND	0.005	NA
Toluene	ND	ND	ND<0.010	ND	0.005	NA
Xylenes	ND	ND	ND<0.010	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	88	101	84	101		
%SS2:	101	102	99	102		
%SS3:	103	117	98	117		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/28/06
5900 Hollis St, Suite A		Date Received: 02/28/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/28/06
	Client P.O.:	Date Analyzed: 02/28/06

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602500

Lab ID	0602500-009A				Reporting Limit for DF =1	
Client ID	EX-2-37					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1:	101					
%SS2:	102					
%SS3:	114					
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 02/28/06
5900 Hollis St, Suite A		Date Received: 02/28/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/28/06
	Client P.O.:	Date Analyzed: 02/28/06-03/01/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0602500

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0602500-001A	EX-2-29	S	ND	1	85
0602500-002A	EX-2-30	S	ND	1	88
0602500-003A	EX-2-31	S	ND	1	86
0602500-004A	EX-2-32	S	ND	1	85
0602500-005A	EX-2-33	S	ND	1	87
0602500-006A	EX-2-34	S	ND	1	87
0602500-007A	EX-2-35	S	ND	1	100
0602500-008A	EX-2-36	S	ND	1	99
0602500-009A	EX-2-37	S	ND	1	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

0603009

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME RUSH [X] 24 HR [X] 48 HR [ ] 72 HR [ ] 5 DAY [ ]

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510) 376-0657	**Fax:** (510) 420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
Ex-2-29	20	3.1	1415	1	Shrink		X				X			
Ex-2-30	15	3/1	1417											
Ex-2-31	10	3.1	1419											
Ex-2-32	20	3.1	1421											
Ex-2-33	15	3.1	1423											
Ex-2-34	10	3.1	1425											
Ex-2-35	20	3.1	1427											
Ex-2-36	15	3.1	1429											
Ex-2-37	10	3.1	1431											
Ex-2-38	20	3.1	1433											
Ex-2-39	15	3.1	1435											
Ex-2-40	10	3.1	1437											
EX-2-41	18	2.1	1439											

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
	X													

Other

X	X		

BTEX 8260
TPH-g 8015

Comments

Email results to Lgenin@cam... dglaze@... bfoss@...

Hold
Hold
Hold
Hold

Relinquished By:	Date:	Time:	Received By:
Z D	3.1.06	1600	Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° _____ PRESERVATION _____ VOAS | O&G | METALS | OTHER
GOOD CONDITION _____ APPROPRIATE
HEAD SPACE ABSENT _____ CONTAINERS _____
DECHLORINATED IN LAB _____ PERSERVED IN LAB _____

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603009 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG; 3884 First St. Livermore C
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 03/01/2006
Date Printed: 03/01/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603009-001	EX-2-29	Soil	3/1/06 2:15:00 PM	☐	A	A										
0603009-002	EX-2-30	Soil	3/1/06 2:17:00 PM	☐	A	A										
0603009-004	EX-2-32	Soil	3/1/06 2:21:00 PM	☐	A	A										
0603009-005	EX-2-33	Soil	3/1/06 2:23:00 PM	☐	A	A										
0603009-007	EX-2-35	Soil	3/1/06 2:27:00 PM	☐	A	A										
0603009-008	EX-2-36	Soil	3/1/06 2:29:00 PM	☐	A	A										
0603009-010	EX-2-38	Soil	3/1/06 2:33:00 PM	☐	A	A										
0603009-011	EX-2-39	Soil	3/1/06 2:35:00 PM	☐	A	A										
0603009-013	EX-2-41	Soil	3/1/06 2:39:00 PM	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0603009-001A, 0603009-002A, 0603009-004A, 0603009-005A, 0603009-007A, 0603009-008A, 0603009-010A, 0603009-011A, 0603009-013A contain testgroup. Please make sure all relevant testcodes are reported. Many thanks.

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/01/06
		Date Received: 03/01/06
	Client Contact: Dan Glaze	Date Extracted: 03/01/06
	Client P.O.:	Date Analyzed: 03/01/06-03/02/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0603009

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX-2-29A	S	ND	1	81
002A	EX-2-30A	S	ND	1	96
004A	EX-2-32A	S	ND	1	98
005A	EX-2-33A	S	ND	1	94
007A	EX-2-35A	S	ND	1	94
008A	EX-2-36A	S	ND	1	91
010A	EX-2-38A	S	ND	1	82
011A	EX-2-39A	S	ND	1	86
013A	EX-2-41A	S	ND	1	82

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/01/06
		Date Received: 03/01/06
	Client Contact: Dan Glaze	Date Extracted: 03/01/06
	Client P.O.:	Date Analyzed: 03/01/06-03/02/06

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0603009

Lab ID	0603009-001A	0603009-002A	0603009-004A	0603009-005A	Reporting Limit for DF =1	
Client ID	EX-2-29	EX-2-30	EX-2-32	EX-2-33		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	91	89	89	92		
%SS2:	103	101	100	101		
%SS3:	103	103	101	103		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/01/06
		Date Received: 03/01/06
	Client Contact: Dan Glaze	Date Extracted: 03/01/06
	Client P.O.:	Date Analyzed: 03/01/06-03/02/06

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0603009

Lab ID	0603009-007A	0603009-008A	0603009-010A	0603009-011A	Reporting Limit for DF =1	
Client ID	EX-2-35	EX-2-36	EX-2-38	EX-2-39		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	92	89	89	89		
%SS2:	103	102	102	102		
%SS3:	104	104	105	103		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/01/06
		Date Received: 03/01/06
	Client Contact: Dan Glaze	Date Extracted: 03/01/06
	Client P.O.:	Date Analyzed: 03/01/06-03/02/06

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0603009

					Reporting Limit for DF =1	
Lab ID	0603009-013A					
Client ID	EX-2-41					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND				0.005	NA
Ethylbenzene	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1:	88					
%SS2:	101					
%SS3:	104					
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/01/06
5900 Hollis St, Suite A		Date Received: 03/01/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/01/06
	Client P.O.:	Date Analyzed: 03/01/06-03/02/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0603009

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0603009-001A	EX-2-29A	S	ND	1	100
0603009-002A	EX-2-30A	S	ND	1	86
0603009-004A	EX-2-32A	S	ND	1	85
0603009-005A	EX-2-33A	S	ND	1	85
0603009-007A	EX-2-35A	S	ND	1	97
0603009-008A	EX-2-36A	S	ND	1	100
0603009-010A	EX-2-38A	S	ND	1	99
0603009-011A	EX-2-39A	S	ND	1	104
0603009-013A	EX-2-41A	S	ND	1	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

0602479

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☒ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY RUSH

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510).376-0657	**Fax:** (510)420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: ~~BTEX & TPH as Gas (602/8020 + 8015)~~ ~~MTBE~~	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (~~EPA 602 / 8020~~) 8260	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
EX2-7	20	2/27	250	1	1		X				X				X	X				X											
EX2-8	20		250																												
EX2-9	20		255																												
EX2-10	12		255																												
EX2-11	6		300																												
EX2-12	20		300																												
EX2-13	12		305																												
EX2-14	6		305	1 sleeve	1 sleeve																										
EX2-15	20		305																												
EX2-16	12		310																												
EX2-17	6		310																												
EX2-18	20		310																												
EX2-19	12		320																												
EX2-20	6		320																												

Other: Comments: Email results to Lgenin@cambria-env.com dglaze@ " " bfoss@ " "

Relinquished By:	Date:	Time:	Received By:
Dan Glaze	2/27	535	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t° ✓	PRESERVATION			
GOOD CONDITION ✓	APPROPRIATE			
HEAD SPACE ABSENT	CONTAINERS ✓			
DECHLORINATED IN LAB	PERSERVED IN LAB			

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☒ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze **Bill To:** Cambria - Dan Glaze

Company: Cambria
5900 Hollis St. Ste A
Emeryville

E-Mail: dglaze@cambria-env.com

Tele: (510) 376-0657 **Fax:** (510) 420-9170

Project #: 304291-DG **Project Name:** 304291-DG

Project Location: 3884 First St. Livermore CA

Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
EX2-21	20	2/27	325	1	T		X							
EX2-22	12	"	325	"	"		"							
EX2-23	6	"	325	"	"		"							
EX2-24	20	"	330	"	Sleeve		"							
EX2-25	12	"	330	"	"		"							
EX2-26	6	"	330	"	"		"							
EX2-27	20	"	335	"	"		"							
EX2-28	20	"	340	"	"		"							

Analysis Request

~~BTEX & TPH as Gas (602/8020)~~ / ~~8015 MTBE~~	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (~~EPA 602 / 8020~~) 8260	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
X	X				X									

Other

Comments

Email results to Lgenin@cambria-env.com
dglaze@ " "
bfoss@ " "

Relinquished By:	Date:	Time:	Received By:
Dan Glaze	2/27	535	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____

	VOAS	O&G	METALS	OTHER
PRESERVATION				
APPROPRIATE CONTAINERS				
PERSERVED IN LAB				

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0602479 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG; 3884 First St. Livermore C
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 02/27/2006
Date Printed: 02/27/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0602479-001	EX2-7	Soil	2/27/06 2:50:00 PM	☐	A	A										
0602479-002	EX2-8	Soil	2/27/06 2:50:00 PM	☐	A	A										
0602479-003	EX2-9	Soil	2/27/06 2:55:00 PM	☐	A	A										
0602479-004	EX2-10	Soil	2/27/06 2:55:00 PM	☐	A	A										
0602479-005	EX2-11	Soil	2/27/06 3:00:00 PM	☐	A	A										
0602479-006	EX2-12	Soil	2/27/06 3:00:00 PM	☐	A	A										
0602479-007	EX2-13	Soil	2/27/06 3:05:00 PM	☐	A	A										
0602479-008	EX2-14	Soil	2/27/06 3:05:00 PM	☐	A	A										
0602479-009	EX2-15	Soil	2/27/06 3:05:00 PM	☐	A	A										
0602479-010	EX2-16	Soil	2/27/06 3:10:00 PM	☐	A	A										
0602479-011	EX2-17	Soil	2/27/06 3:10:00 PM	☐	A	A										
0602479-012	EX2-18	Soil	2/27/06 3:10:00 PM	☐	A	A										
0602479-013	EX2-19	Soil	2/27/06 3:20:00 PM	☐	A	A										
0602479-014	EX2-20	Soil	2/27/06 3:20:00 PM	☐	A	A										
0602479-015	EX2-21	Soil	2/27/06 3:25:00 PM	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0602479-001A, 0602479-002A, 0602479-003A, 0602479-004A, 0602479-005A, 0602479-006A, 0602479-007A, 0602479-008A, 0602479-009A, 0602479-010A, 0602479-011A, 0602479-012A, 0602479-013A, 0602479-014A, 0602479-015A, 0602479-

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0602479 **ClientID: CETE** **EDF: NO**

Report to:
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Requested TAT: 1 day
Date Received: 02/27/2006
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Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0602479-016	EX2-22	Soil	2/27/06 3:25:00 PM	☐	A	A										
0602479-017	EX2-23	Soil	2/27/06 3:30:00 PM	☐	A	A										
0602479-018	EX2-24	Soil	2/27/06 3:30:00 PM	☐	A	A										
0602479-019	EX2-25	Soil	2/27/06 3:30:00 PM	☐	A	A										
0602479-020	EX2-26	Soil	2/27/06 3:30:00 PM	☐	A	A										
0602479-021	EX2-27	Soil	2/27/06 3:35:00 PM	☐	A	A										
0602479-022	EX2-28	Soil	2/27/06 3:40:00 PM	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0602479-001A, 0602479-002A, 0602479-003A, 0602479-004A, 0602479-005A, 0602479-006A, 0602479-007A, 0602479-008A, 0602479-009A, 0602479-010A, 0602479-011A, 0602479-012A, 0602479-013A, 0602479-014A, 0602479-015A, 0602479-

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 02/27/06
5900 Hollis St, Suite A		Date Received: 02/27/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/27/06
	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0602479

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX2-7	S	2000,a	100	101
002A	EX2-8	S	2300,a	100	90
003A	EX2-9	S	1.8,a	1	75
004A	EX2-10	S	ND	1	91
005A	EX2-11	S	ND	1	92
006A	EX2-12	S	9.5,a	4	84
007A	EX2-13	S	ND	1	93
008A	EX2-14	S	ND	1	94
009A	EX2-15	S	ND	1	103
010A	EX2-16	S	ND	1	94
011A	EX2-17	S	ND	1	99
012A	EX2-18	S	ND	1	88
013A	EX2-19	S	ND	1	107
014A	EX2-20	S	ND	1	84
015A	EX2-21	S	ND	1	86
016A	EX2-22	S	ND	1	86

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 02/27/06
		Date Received: 02/27/06
	Client Contact: Dan Glaze	Date Extracted: 02/27/06
	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0602479

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
017A	EX2-23	S	ND	1	95
018A	EX2-24	S	ND	1	81
019A	EX2-25	S	ND	1	81
020A	EX2-26	S	ND	1	84
021A	EX2-27	S	1300,a	40	83
022A	EX2-28	S	43,a	20	87

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

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5900 Hollis St, Suite A		Date Received: 02/27/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/27/06
	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602479

Lab ID	0602479-001A	0602479-002A	0602479-003A	0602479-004A	Reporting Limit for DF =1	
Client ID	EX2-7	EX2-8	EX2-9	EX2-10		
Matrix	S	S	S	S		
DF	1000	2000	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	8.2	28	0.12	ND	0.005	NA
Ethylbenzene	33	40	0.017	ND	0.005	NA
Toluene	77	190	ND	ND	0.005	NA
Xylenes	140	170	0.014	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	86	85	85	84		
%SS2:	99	98	99	101		
%SS3:	97	98	101	100		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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5900 Hollis St, Suite A		Date Received: 02/27/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/27/06
	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602479

Lab ID	0602479-005A	0602479-006A	0602479-007A	0602479-008A	Reporting Limit for DF =1	
Client ID	EX2-11	EX2-12	EX2-13	EX2-14		
Matrix	S	S	S	S		
DF	1	4	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	0.36	ND	ND	0.005	NA
Ethylbenzene	ND	0.13	ND	ND	0.005	NA
Toluene	ND	ND<0.020	ND	ND	0.005	NA
Xylenes	ND	0.40	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	84	86	85	84		
%SS2:	100	98	99	100		
%SS3:	100	100	100	101		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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	Client Contact: Dan Glaze	Date Extracted: 02/27/06
	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602479

Lab ID	0602479-009A	0602479-010A	0602479-011A	0602479-012A	Reporting Limit for DF =1	
Client ID	EX2-15	EX2-16	EX2-17	EX2-18		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	85	85	96	99		
%SS2:	100	100	109	107		
%SS3:	102	102	120	117		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/27/06
	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602479

Lab ID	0602479-013A	0602479-014A	0602479-015A	0602479-016A	Reporting Limit for DF =1	
Client ID	EX2-19	EX2-20	EX2-21	EX2-22		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	95	101	102	96		
%SS2:	107	106	108	106		
%SS3:	119	118	116	117		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602479

Lab ID	0602479-017A	0602479-018A	0602479-019A	0602479-020A	Reporting Limit for DF =1	
Client ID	EX2-23	EX2-24	EX2-25	EX2-26		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	102	101	101	101		
%SS2:	102	102	102	103		
%SS3:	115	116	116	115		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602479

Lab ID	0602479-021A	0602479-022A			Reporting Limit for DF =1	
Client ID	EX2-27	EX2-28				
Matrix	S	S				
DF	200	20			S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	1.5	0.87			0.005	NA
Ethylbenzene	14	0.36			0.005	NA
Toluene	9.9	2.1			0.005	NA
Xylenes	82	1.7			0.005	NA
Surrogate Recoveries (%)						
%SS1:	82	104				
%SS2:	100	101				
%SS3:	98	110				
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0602479

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0602479-001A	EX2-7	S	580,d,b	1	108
0602479-002A	EX2-8	S	84,d	1	89
0602479-003A	EX2-9	S	ND	1	103
0602479-004A	EX2-10	S	ND	1	97
0602479-005A	EX2-11	S	ND	1	85
0602479-006A	EX2-12	S	3.8,d	1	100
0602479-007A	EX2-13	S	ND	1	87
0602479-008A	EX2-14	S	ND	1	100
0602479-009A	EX2-15	S	ND	1	86
0602479-010A	EX2-16	S	ND	1	88
0602479-011A	EX2-17	S	ND	1	103
0602479-012A	EX2-18	S	ND	1	106
0602479-013A	EX2-19	S	ND	1	107
0602479-014A	EX2-20	S	ND	1	103
0602479-015A	EX2-21	S	ND	1	91
0602479-016A	EX2-22	S	ND	1	91

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 02/27/06
5900 Hollis St, Suite A		Date Received: 02/27/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 02/27/06
	Client P.O.:	Date Analyzed: 02/27/06-02/28/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0602479

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0602479-017A	EX2-23	S	ND	1	88
0602479-018A	EX2-24	S	ND	1	98
0602479-019A	EX2-25	S	ND	1	106
0602479-020A	EX2-26	S	ND	1	90
0602479-021A	EX2-27	S	220,d,b	1	118
0602479-022A	EX2-28	S	8.7,d	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

0603273

RUSH!

1/2

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☑ RUSH ☑ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510) 376-0657	**Fax:** (510) 420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature: Dan Glaze	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: ~~BTEX & TPH as Gas (602/8020 + 8015)~~ ~~MTBE~~	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (~~EPA 602 / 8020~~) 8260	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270 SVOC incl. PAH/PNA	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
EX3-2-9	9'	3/15	747	1			X				X				X	X	X			X				X			X				
EX3-3-5	10'	3/15	1458	1			X				X				X	X	X			X				X			X				
EX3-4-10	10'	3/15	1457	1			X				X				X	X	X			X				X			X				
EX3-5-14	14'	3/15	1603	1			X				X				X	X	X			X				X			X				
EX3-6-7	7'	3/15	1604	1			X				X				X	X	X			X											
EX3-7-14	14'	3/15	1609	1			X				X				X	X	X			X											
EX3-8-7	7'	3/15	1611	1			X				X				X	X	X			X											
EX3-9-12	12'	3/15	1612	1			X				X				X	X	X			X											
EX3-10-14	14'	3/15	1614	1			X				X				X	X	X			X											
EX3-11-14	14'	3/15	1615	1			X				X				X	X	X			X											
EX3-12-10	10'	3/15	1617	1			X				X				X	X	X			X											
EX3-13-10	10'	3/15	1618	1			X				X				X	X	X			X				X			X				
EX3-14-8	8'	3/15	1620	1			X				X				X	X	X			X											
EX3-15-12	12'	3/15	1621	1			X				X				X	X	X			X											

Comments: Email results to Lgenin@cambria-env.com dglaze@ " — bfoss@ " —

Relinquished By:	Date:	Time:	Received By:
Dan Glaze	3/16	625	Kathleen Owen
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION				
APPROPRIATE ✓				
CONTAINERS				

RUSH!

2/2

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☒ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510).376-0657	**Fax:** (510)420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature: Dan Glaze	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other	~~BTEX~~ & TPH as Gas (~~602/8020~~ + 8015) ~~MTBE~~	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA ~~602/8020~~) 8260	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
EX3-16	8'	3/15	1622	1			X				X				X	X	X			X										
EX3-17	18'	3/15	1624	1			X				X				X	X	X			X										
EX3-18	12'	3/15	1626	1			X				X				X	X	X			X										
EX3-20	8'	3/15	1628	1			X				X				X	X	X			X										
EX3-21	14'	3/15	1630	1			X				X				X	X	X			X										
EX3-22	8'	3/15	1632	1			X				X				X	X	X			X										
EX3-19	14'	3/15	1627	1			X				X				X	X	X			X										
EX3-23	18'	3/15	1634	1			X				X				X	X	X			X										
EX3-24	16'	3/15	1636	1			X				X				X	X	X			X										
EX3-25	7'	3/15	1637	1			X				X				X	X	X			X										
		3/15		1			X				X				X	X	X													
		3/15		1			X				X				X	X	X													
		3/15		1			X				X				X	X	X													
		3/15		1			X				X				X	X	X													

Other: —

Comments: Email results to Lgenin@cambria-env.com dglaze@ -" - bfoss @ -" -

Relinquished By:	Date:	Time:	Received By:
Dan Glaze	3/15/06	635	Kathleen Owen
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB PERSERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION APPROPRIATE ✓ CONTAINERS				

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603273 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 03/15/2006
Date Printed: 03/16/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603273-001	EX3-2-9	Soil	3/15/06 7:47:00 AM	☐	A	A	A	A	A							
0603273-002	EX3-3-5	Soil	3/15/06 2:50:00 PM	☐	A	A	A	A	A							
0603273-003	EX3-4-10	Soil	3/15/06 2:57:00 PM	☐	A	A	A	A	A							
0603273-004	EX3-5-14	Soil	3/15/06 4:03:00 PM	☐	A	A	A	A	A							
0603273-005	EX3-6-7	Soil	3/15/06 4:04:00 PM	☐	A		A		A							
0603273-006	EX3-7-14	Soil	3/15/06 4:09:00 PM	☐	A		A		A							
0603273-007	EX3-8-7	Soil	3/15/06 4:11:00 PM	☐	A		A		A							
0603273-008	EX3-9-12	Soil	3/15/06 4:12:00 PM	☐	A		A		A							
0603273-009	EX3-10-14	Soil	3/15/06 4:14:00 PM	☐	A		A		A							
0603273-010	EX3-11-14	Soil	3/15/06 4:15:00 PM	☐	A		A		A							
0603273-011	EX3-12-10	Soil	3/15/06 4:17:00 PM	☐	A		A		A							
0603273-012	EX3-13-10	Soil	3/15/06 4:18:00 PM	☐	A	A	A	A	A							
0603273-013	EX3-14-8	Soil	3/15/06 4:20:00 PM	☐	A		A		A							
0603273-014	EX3-15-12	Soil	3/15/06 4:21:00 PM	☐	A		A		A							
0603273-015	EX3-16	Soil	3/15/06 4:22:00 PM	☐	A		A		A							

Test Legend:

1	5520E_SG_S	2	8270D_S	3	G-MBTEX_S	4	LUFT_S	5	MBTEX-8260B_S
6		7		8		9		10	
11		12							

The following SampIDs: 0603273-001A, 0603273-002A, 0603273-003A, 0603273-004A, 0603273-005A, 0603273-006A, 0603273-007A, 0603273-008A, 0603273-009A, 0603273-010A, 0603273-011A, 0603273-012A, 0603273-013A, 0603273-014A, 0603273-015A, 0603273-

Prepared by: Kathleen Owen

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603273 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 03/15/2006
Date Printed: 03/16/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603273-016	EX3-17	Soil	3/15/06 4:24:00 PM	☐	A		A		A							
0603273-017	EX3-18	Soil	3/15/06 4:26:00 PM	☐	A		A		A							
0603273-018	EX3-20	Soil	3/15/06 4:28:00 PM	☐	A		A		A							
0603273-019	EX3-21	Soil	3/15/06 4:30:00 PM	☐	A		A		A							
0603273-020	EX3-22	Soil	3/15/06 4:32:00 PM	☐	A		A		A							
0603273-021	EX3-19	Soil	3/15/06 4:27:00 PM	☐	A		A		A							
0603273-022	EX3-23	Soil	3/15/06 4:34:00 PM	☐	A		A		A							
0603273-023	EX3-24	Soil	3/15/06 4:36:00 PM	☐	A		A		A							
0603273-024	EX3-25	Soil	3/15/06 4:37:00 PM	☐	A		A		A							

Test Legend:

1	5520E_SG_S	2	8270D_S	3	G-MBTEX_S	4	LUFT_S	5	MBTEX-8260B_S
6		7		8		9		10	
11		12							

The following SampIDs: 0603273-001A, 0603273-002A, 0603273-003A, 0603273-004A, 0603273-005A, 0603273-006A, 0603273-007A, 0603273-008A, 0603273-009A, 0603273-010A, 0603273-011A, 0603273-012A, 0603273-013A, 0603273-014A, 0603273-015A, 0603273-

Prepared by: Kathleen Owen

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/16/06

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520E/F Work Order: 0603273

Lab ID	Client ID	Matrix	POG	DF	% SS
0603273-001A	EX3-2-9	S	990	1	N/A
0603273-002A	EX3-3-5	S	ND	1	N/A
0603273-003A	EX3-4-10	S	ND	1	N/A
0603273-004A	EX3-5-14	S	ND	1	N/A
0603273-005A	EX3-6-7	S	ND	1	N/A
0603273-006A	EX3-7-14	S	ND	1	N/A
0603273-007A	EX3-8-7	S	ND	1	N/A
0603273-008A	EX3-9-12	S	ND	1	N/A
0603273-009A	EX3-10-14	S	ND	1	N/A
0603273-010A	EX3-11-14	S	ND	1	N/A
0603273-011A	EX3-12-10	S	ND	1	N/A
0603273-012A	EX3-13-10	S	ND	1	N/A
0603273-013A	EX3-14-8	S	ND	1	N/A
0603273-014A	EX3-15-12	S	ND	1	N/A
0603273-015A	EX3-16	S	ND	1	N/A
0603273-016A	EX3-17	S	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	50	mg/Kg

* water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/16/06

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520E/F Work Order: 0603273

Lab ID	Client ID	Matrix	POG	DF	% SS
0603273-017A	EX3-18	S	ND	1	N/A
0603273-018A	EX3-20	S	ND	1	N/A
0603273-019A	EX3-21	S	88	1	N/A
0603273-020A	EX3-22	S	ND	1	N/A
0603273-021A	EX3-19	S	ND	1	N/A
0603273-022A	EX3-23	S	ND	1	N/A
0603273-023A	EX3-24	S	ND	1	N/A
0603273-024A	EX3-25	S	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	50	mg/Kg

* water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/16/06

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0603273

Lab ID	0603273-001A
Client ID	EX3-2-9
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	73	%SS2:	60
%SS3:	95	%SS4:	81
%SS5:	76	%SS6:	95

Comments:

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; r) results are reported on a dry weight basis.

McCampbell Analytical, Inc.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
		Date Received: 03/15/06
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 03/15/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/15/06

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0603273

Lab ID	0603273-002A
Client ID	EX3-3-5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	75	%SS2:	83
%SS3:	80	%SS4:	78
%SS5:	71	%SS6:	104

Comments:

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; r) results are reported on a dry weight basis.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
		Date Received: 03/15/06
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 03/15/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/16/06

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0603273

Lab ID	0603273-003A
Client ID	EX3-4-10
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	71	%SS2:	81
%SS3:	81	%SS4:	80
%SS5:	80	%SS6:	103

Comments:

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; r) results are reported on a dry weight basis.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/16/06

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0603273

Lab ID	0603273-004A
Client ID	EX3-5-14
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	73	%SS2:	81
%SS3:	82	%SS4:	78
%SS5:	75	%SS6:	105

Comments:

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; r) results are reported on a dry weight basis.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/16/06

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0603273

Lab ID	0603273-012A
Client ID	EX3-13-10
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	72	%SS2:	82
%SS3:	80	%SS4:	78
%SS5:	81	%SS6:	103

Comments:

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; r) results are reported on a dry weight basis.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/16/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0603273

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EX3-2-9	S	1200,g,m	100	107
002A	EX3-3-5	S	ND	1	101
003A	EX3-4-10	S	ND	1	85
004A	EX3-5-14	S	ND	1	89
005A	EX3-6-7	S	ND	1	89
006A	EX3-7-14	S	ND	1	114
007A	EX3-8-7	S	ND	1	81
008A	EX3-9-12	S	ND	1	87
009A	EX3-10-14	S	ND	1	105
010A	EX3-11-14	S	ND	1	98
011A	EX3-12-10	S	ND	1	101
012A	EX3-13-10	S	ND	1	100
013A	EX3-14-8	S	ND	1	98
014A	EX3-15-12	S	ND	1	100
015A	EX3-16	S	ND	1	97
016A	EX3-17	S	ND	1	84

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/16/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0603273

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
017A	EX3-18	S	ND	1	95
018A	EX3-20	S	ND	1	86
019A	EX3-21	S	ND	1	99
020A	EX3-22	S	ND	1	94
021A	EX3-19	S	ND	1	94
022A	EX3-23	S	ND	1	93
023A	EX3-24	S	ND	1	89
024A	EX3-25	S	ND	1	93

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
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Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/16/06

LUFT 5 Metals*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0603273

Lab ID	Client ID	Matrix	Extraction	Cadmium	Chromium	Lead	Nickel	Zinc	DF	% SS
001A	EX3-2-9	S	TTLC	ND	67	6.2	120	59	1	109
002A	EX3-3-5	S	TTLC	ND	66	5.6	170	74	1	112
003A	EX3-4-10	S	TTLC	ND	76	8.8	200	58	1	108
004A	EX3-5-14	S	TTLC	ND	67	7.6	180	50	1	110
012A	EX3-13-10	S	TTLC	ND	69	8.1	180	48	1	102

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	NA	NA	NA	NA	NA
	S	TTLC	1.5	1.5	5.0	1.5	5.0	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/16/06
	Client P.O.:	Date Analyzed: 03/16/06

BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0603273

Lab ID	0603273-001A	0603273-002A	0603273-003A	0603273-004A	Reporting Limit for DF =1	
Client ID	EX3-2-9	EX3-3-5	EX3-4-10	EX3-5-14		
Matrix	S	S	S	S		
DF	100	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND<0.50	ND	ND	ND	0.005	NA
Ethylbenzene	ND<0.50	ND	ND	ND	0.005	NA
Toluene	ND<0.50	ND	ND	ND	0.005	NA
Xylenes	ND<0.50	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	108	104	104	104		
%SS2:	97	104	105	99		
%SS3:	102	117	114	113		
Comments	j					

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/16/06
	Client P.O.:	Date Analyzed: 03/16/06

BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0603273

Lab ID	0603273-005A	0603273-006A	0603273-007A	0603273-008A	Reporting Limit for DF =1	
Client ID	EX3-6-7	EX3-7-14	EX3-8-7	EX3-9-12		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	106	101	105	102		
%SS2:	98	106	100	105		
%SS3:	114	116	114	113		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/15/06
5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/16/06
	Client P.O.:	Date Analyzed: 03/16/06

BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0603273

Lab ID	0603273-009A	0603273-010A	0603273-011A	0603273-012A	Reporting Limit for DF =1	
Client ID	EX3-10-14	EX3-11-14	EX3-12-10	EX3-13-10		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	108	101	109	108		
%SS2:	98	105	98	98		
%SS3:	117	116	118	119		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/16/06
	Client P.O.:	Date Analyzed: 03/16/06

BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0603273

Lab ID	0603273-013A	0603273-014A	0603273-015A	0603273-016A	Reporting Limit for DF =1	
Client ID	EX3-14-8	EX3-15-12	EX3-16	EX3-17		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	102	101	102	104		
%SS2:	101	102	100	99		
%SS3:	117	115	115	114		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/16/06
	Client P.O.:	Date Analyzed: 03/16/06

BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0603273

Lab ID	0603273-017A	0603273-018A	0603273-019A	0603273-020A	Reporting Limit for DF =1	
Client ID	EX3-18	EX3-20	EX3-21	EX3-22		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	105	110	109	105		
%SS2:	96	98	98	108		
%SS3:	113	117	117	117		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/16/06
	Client P.O.:	Date Analyzed: 03/16/06

BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0603273

Lab ID	0603273-021A	0603273-022A	0603273-023A	0603273-024A	Reporting Limit for DF =1	
Client ID	EX3-19	EX3-23	EX3-24	EX3-25		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	106	105	106	106		
%SS2:	107	109	101	101		
%SS3:	116	116	118	119		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/15/06-03/16/06

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0603273

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0603273-001A	EX3-2-9	S	1800,k,g	490	20	105
0603273-002A	EX3-3-5	S	ND	ND	1	103
0603273-003A	EX3-4-10	S	ND	ND	1	102
0603273-004A	EX3-5-14	S	ND	ND	1	101
0603273-005A	EX3-6-7	S	ND	ND	1	107
0603273-006A	EX3-7-14	S	ND	ND	1	103
0603273-007A	EX3-8-7	S	ND	ND	1	103
0603273-008A	EX3-9-12	S	ND	ND	1	106
0603273-009A	EX3-10-14	S	3.3,k	ND	1	104
0603273-010A	EX3-11-14	S	ND	ND	1	98
0603273-011A	EX3-12-10	S	ND	ND	1	88
0603273-012A	EX3-13-10	S	ND	ND	1	88
0603273-013A	EX3-14-8	S	ND	ND	1	91
0603273-014A	EX3-15-12	S	ND	ND	1	90
0603273-015A	EX3-16	S	ND	ND	1	91
0603273-016A	EX3-17	S	ND	ND	1	89

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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5900 Hollis St, Suite A		Date Received: 03/15/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/15/06
	Client P.O.:	Date Analyzed: 03/15/06-03/16/06

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0603273

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0603273-017A	EX3-18	S	ND	ND	1	88
0603273-018A	EX3-20	S	ND	ND	1	98
0603273-019A	EX3-21	S	1.4,g,b	8.3	1	88
0603273-020A	EX3-22	S	ND	ND	1	98
0603273-021A	EX3-19	S	ND	ND	1	96
0603273-022A	EX3-23	S	ND	ND	1	98
0603273-023A	EX3-24	S	1.3,g	11	1	97
0603273-024A	EX3-25	S	ND	ND	1	96

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

RUSH

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510).376-0657	**Fax:** (510)420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	Analysis Request: BTEX & TPH as Gas (602/8020 + 8015)MTBE 8260	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 CL Hc 8260	BTEX ONLY (EPA 602 / 8020) 1,4-Dioxane 8270	EPA 608 / 8080 EDS + EDC (8260)	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270 TAME, ETBE, DIPE, TBA 8260	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals EtOH (8260)	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: PCB, PCP, PNA, CREOSOTE (8270)	Comments
Ex-3-1-5	5'	3.8.06	1710	1	SHUE		X				X				X	X	X		X	X	X			X		X	X			X	

Relinquished By:	Date:	Time:	Received By:
William Lee	3/9/06	1420	Kathleen Owen 3/8/06
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t°				
GOOD CONDITION				
HEAD SPACE ABSENT				
DECHLORINATED IN LAB				
PRESERVATION APPROPRIATE				
CONTAINERS				
PRESERVED IN LAB				

Email results to Lgenin@cam... dglaze@... bfoss@... See attached for list of

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603152 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG; 3884 First St. Livermore C
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 03/09/2006
Date Printed: 03/09/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603152-001	EX-3-1-5 5'	Soil	3/8/06 5:10:00 PM	☐	B	A	A	A	A	A	A					

Test Legend:

1	1,4-DIOXANE_S	2	5520E_SG_S	3	8082A_PCB_S	4	8260B_S	5	8270D-PNA_S
6	G-MBTEX_S	7	LUFT_S	8		9		10	
11		12							

The following SampID: 0603152-001A contains testgroup. Please make sure all relevant testcodes are reported. Many thanks.

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/10/06

1,4-Dioxane by P&T and GC/MS SIM Mode*

Extraction method: SW5030B Analytical methods: SW8260B Work Order: 0603152

Lab ID	Client ID	Matrix	1,4-Dioxane	DF	% SS
001B	EX-3-1-5 5'	S	ND	1	106

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	0.02	mg/kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/09/06

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520E/F Work Order: 0603152

Lab ID	Client ID	Matrix	OG	DF	% SS
0603152-001A	EX-3-1-5 5'	S	1300	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	50	mg/Kg

* water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/09/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/09/06

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C | Analytical Method: SW8082A | Work Order: 0603152

					Reporting Limit for DF =1	
Lab ID	0603152-001A					
Client ID	EX-3-1-5 5'					
Matrix	S					
DF	1				S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND				0.025	NA
Aroclor1221	ND				0.025	NA
Aroclor1232	ND				0.025	NA
Aroclor1242	ND				0.025	NA
Aroclor1248	ND				0.025	NA
Aroclor1254	ND				0.025	NA
Aroclor1260	ND				0.025	NA
PCBs, total	ND				0.025	NA
Surrogate Recoveries (%)						
%SS:	110					
Comments	o					

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.

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Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
5900 Hollis St, Suite A	Client Contact: Dan Glaze	Date Extracted: 03/09/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/10/06

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0603152

Lab ID	0603152-001A
Client ID	EX-3-1-5 5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	0.020	1.0	0.005	sec-Butyl benzene	0.014	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethanol	ND	1.0	0.25	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	0.036	1.0	0.005	Nitrobenzene	ND	1.0	0.1
n-Propyl benzene	0.011	1.0	0.005	Styrene	ND	1.0	0.005
1,1,1,2-Tetrachloroethane	ND	1.0	0.005	1,1,2,2-Tetrachloroethane	ND	1.0	0.005
Tetrachloroethene	ND	1.0	0.005	Toluene	ND	1.0	0.005
1,2,3-Trichlorobenzene	ND	1.0	0.005	1,2,4-Trichlorobenzene	ND	1.0	0.005
1,1,1-Trichloroethane	ND	1.0	0.005	1,1,2-Trichloroethane	ND	1.0	0.005
Trichloroethene	ND	1.0	0.005	Trichlorofluoromethane	ND	1.0	0.005
1,2,3-Trichloropropane	ND	1.0	0.005	1,2,4-Trimethylbenzene	0.0050	1.0	0.005
1,3,5-Trimethylbenzene	0.014	1.0	0.005	Vinyl Chloride	ND	1.0	0.005
Xylenes	0.018	1.0	0.005				

Surrogate Recoveries (%)

%SS1:	94	%SS2:	107
%SS3:	105		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/10/06

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0603152

					Reporting Limit for DF =1	
Lab ID	0603152-001A					
Client ID	EX-3-1-5 5'					
Matrix	S				S	W
DF	5					
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND<0.025				0.005	NA
Acenaphthylene	ND<0.025				0.005	NA
Anthracene	0.035				0.005	NA
Benzo(a)anthracene	0.068				0.005	NA
Benzo(a)pyrene	ND<0.025				0.005	NA
Benzo(b)fluoranthene	ND<0.025				0.005	NA
Benzo(g,h,i)perylene	0.041				0.005	NA
Benzo(k)fluoranthene	ND<0.025				0.005	NA
Chrysene	0.052				0.005	NA
Dibenzo(a,h)anthracene	ND<0.025				0.005	NA
Fluoranthene	0.084				0.005	NA
Fluorene	ND<0.025				0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.025				0.005	NA
1-Methylnaphthalene	0.21				0.005	NA
2-Methylnaphthalene	0.22				0.005	NA
Naphthalene	0.065				0.005	NA
Phenanthrene	0.16				0.005	NA
Pyrene	0.18				0.005	NA
Surrogate Recoveries (%)						
%SS1	120					
%SS2	117					
Comments						

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) estimated to be below this level based on our MDL study; r) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/09/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/09/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0603152

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	EX-3-1-5 5'	S	16,g,m	---	ND	0.011	ND	0.011	1	82

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

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Cambria Env. Technology	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/09/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/10/06

LUFT 5 Metals*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0603152

Lab ID	Client ID	Matrix	Extraction	Cadmium	Chromium	Lead	Nickel	Zinc	DF	% SS
001A	EX-3-1-5 5'	S	TTLC	ND	64	34	200	45	1	101
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	NA	NA	NA	NA	NA		
	S	TTLC	1.5	1.5	5.0	1.5	5.0	mg/Kg		

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

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Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #304291-DG; 3884 First St. Livermore CA	Date Sampled: 03/08/06
		Date Received: 03/09/06
	Client Contact: Dan Glaze	Date Extracted: 03/09/06
	Client P.O.:	Date Analyzed: 03/09/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0603152

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0603152-001A	EX-3-1-5 5'	S	170,g,b	20	107

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

cete 0603388

McCAMPBELL ANALYTICAL INC.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☒ 72 HR ☑ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Lauren Genin D. Glaze Bill To: Cambria
Company: Cambria Env.

E-Mail: L-GENIN@CAMBRIA-ENV
Tele: () 510 420-3367 Fax: ()
Project #: 30-4291 Project Name: 30-4291
Project Location: 3884 1st St
Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
EX3-26-9	9	3-17	1235	1	Sleeve		X							
EX3-27-18	18		1236											
EX3-28-9	9		1237											
EX3-29-18	18		1238											
EX3-30-9	9		1239											
EX3-31-18	18		1240											
EX3-32-9	9		1241											
EX3-33-18	18		1242											
EX3-34-18	18		1243											

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
		17												

Other: X

Comments: E-mail to D Glaze Cambria Env. & L Genin Cambria Env. Com.

3-17-06

Relinquished By:	Date:	Time:	Received By:
	3-17-06	1530	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ____ DECHLORINATED IN LAB ____

PRESERVATION APPROPRIATE ✓ CONTAINERS ____ PERSERVED IN LAB ____

VOAS	O&G	METALS	OTHER

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603338 **ClientID: CETE** **EDF: NO**

Report to:
Laura Genin / Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #30-4291
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 03/17/2006
Date Printed: 03/17/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603338-001	EX3-26-9	Soil	3/17/06 12:35:00	☐	A											
0603338-002	EX3-27-18	Soil	3/17/06 12:36:00	☐	A											
0603338-003	EX3-28-9	Soil	3/17/06 12:37:00	☐	A											
0603338-004	EX3-29-18	Soil	3/17/06 12:38:00	☐	A											
0603338-005	EX3-30-9	Soil	3/17/06 12:39:00	☐	A											
0603338-006	EX3-31-18	Soil	3/17/06 12:40:00	☐	A											
0603338-007	EX3-32-9	Soil	3/17/06 12:41:00	☐	A											
0603338-008	EX3-33-18	Soil	3/17/06 12:42:00	☐	A											
0603338-009	EX3-34-18	Soil	3/17/06 12:43:00	☐	A											

Test Legend:

1	METALS_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Rosa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #30-4291	Date Sampled: 03/17/06
5900 Hollis St, Suite A		Date Received: 03/17/06
Emeryville, CA 94608	Client Contact: Laura Genin / Dan Glaz	Date Extracted: 03/17/06
	Client P.O.:	Date Analyzed: 03/20/06

Metals*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0603338

Lab ID	Client ID	Matrix	Extraction	Chromium	DF	% SS
0603338-001A	EX3-26-9	S	TTLC	84	1	117
0603338-002A	EX3-27-18	S	TTLC	100	1	111
0603338-003A	EX3-28-9	S	TTLC	84	1	112
0603338-004A	EX3-29-18	S	TTLC	78	1	110
0603338-005A	EX3-30-9	S	TTLC	96	1	119
0603338-006A	EX3-31-18	S	TTLC	92	1	109
0603338-007A	EX3-32-9	S	TTLC	78	1	114
0603338-008A	EX3-33-18	S	TTLC	96	1	118
0603338-009A	EX3-34-18	S	TTLC	74	1	107

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	1.5	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0603338

EPA Method: 6010C	Extraction: SW3050B	BatchID: 20806	Spiked Sample ID: 0603326-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Chromium	29	50	85.2	78.6	4.66	10	86.6	98.7	13.1	75 - 125	80 - 120
%SS:	103	250	106	106	0	250	102	108	5.25	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20806 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603338-001A	3/17/06 12:35 PM	3/17/06	3/20/06 3:51 PM	0603338-002A	3/17/06 12:36 PM	3/17/06	3/20/06 3:54 PM
0603338-003A	3/17/06 12:37 PM	3/17/06	3/20/06 3:57 PM	0603338-004A	3/17/06 12:38 PM	3/17/06	3/20/06 3:59 PM
0603338-005A	3/17/06 12:39 PM	3/17/06	3/20/06 4:02 PM	0603338-006A	3/17/06 12:40 PM	3/17/06	3/20/06 4:05 PM
0603338-007A	3/17/06 12:41 PM	3/17/06	3/20/06 4:07 PM	0603338-008A	3/17/06 12:42 PM	3/17/06	3/20/06 4:10 PM
0603338-009A	3/17/06 12:43 PM	3/17/06	3/20/06 4:18 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

cete 0603117

RUSH

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☑ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Dan Glaze	**Bill To:** Cambria - Dan Glaze
Company: Cambria	
5900 Hollis St. Ste A	
Emeryville	**E-Mail:** dglaze@cambria-env.com
Tele: (510) 376-0657	**Fax:** (510) 420-9170
Project #: 304291-DG	**Project Name:** 304291-DG
Project Location: 3884 First St. Livermore CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	Analysis Request: BTEX & TPH as Gas (602/8020 + 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: 8260	8021			Comments
Exp1 - 3.5	304291	3/8/06	10:20		10x2		X				X				X	X														X				Email results to Lgenin@cambria-env dglaze@ " bfoss@ "
Exp2 - 3	↓	↓	11:42		↓		X				X				X	X														X				
Exp3 - 3			11:45				X				X				X	X														X				
Exp4 - 3			11:47				X				X				X	X														X				

Relinquished By:	Date: 3/8/06	Time: 2:05p	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t°				
GOOD CONDITION	PRESERVATION APPROPRIATE			
HEAD SPACE ABSENT	CONTAINERS			
DECHLORINATED IN LAB	PERSERVED IN LAB			

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603117 **ClientID: CETE** **EDF: NO**

Report to:
Dan Glaze
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #304291-DG
PO:

Bill to
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: **03/08/2006**
Date Printed: **03/08/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603117-001	EXP1- 3.5	Soil	03/08/2006	☐	A	A										
0603117-002	EXP2- 3	Soil	03/08/2006	☐	A	A										
0603117-003	EXP3- 3	Soil	03/08/2006	☐	A	A										
0603117-004	EXP4- 3	Soil	03/08/2006	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	MBTEX-8260B_S	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 0603117-001A, 0603117-002A, 0603117-003A, 0603117-004A contain testgroup. Please make sure all relevant testcodes are reported. Many thanks.

Prepared by: Rosa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/08/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/08/06
	Client P.O.:	Date Analyzed: 03/08/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0603117

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	EXP1- 3.5	S	ND	1	90
002A	EXP2- 3	S	ND	1	93
003A	EXP3- 3	S	ND	1	93
004A	EXP4- 3	S	ND	1	90

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/08/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/08/06
	Client P.O.:	Date Analyzed: 03/08/06

MTBE and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0603117

Lab ID	0603117-001A	0603117-002A	0603117-003A	0603117-004A	Reporting Limit for DF =1	
Client ID	EXP1- 3.5	EXP2- 3	EXP3- 3	EXP4- 3		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Benzene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1:	96	96	95	95		
%SS2:	106	106	106	105		
%SS3:	104	104	102	102		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #304291-DG	Date Sampled: 03/08/06
5900 Hollis St, Suite A		Date Received: 03/08/06
Emeryville, CA 94608	Client Contact: Dan Glaze	Date Extracted: 03/08/06
	Client P.O.:	Date Analyzed: 03/08/06-03/09/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0603117

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0603117-001A	EXP1- 3.5	S	ND	1	89
0603117-002A	EXP2- 3	S	ND	1	101
0603117-003A	EXP3- 3	S	ND	1	89
0603117-004A	EXP4- 3	S	ND	1	88

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

DHS Certification No. 1644 _____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0603117

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 20640	Spiked Sample ID: 0603085-008A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	114	115	0.951	111	112	0.842	70 - 130	70 - 130
MTBE	ND	0.10	96	93.8	2.32	95	96.4	1.49	70 - 130	70 - 130
Benzene	ND	0.10	91.1	92.5	1.57	89.7	96.5	7.23	70 - 130	70 - 130
Toluene	ND	0.10	90.4	91.7	1.45	89.1	95.1	6.48	70 - 130	70 - 130
Ethylbenzene	ND	0.10	93.4	94.9	1.55	91.2	97.9	7.10	70 - 130	70 - 130
Xylenes	ND	0.30	95	99	4.12	91	99	8.42	70 - 130	70 - 130
%SS:	85	0.10	99	83	17.6	99	117	16.7	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20640 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603117-001A	3/08/06 10:20 AM	3/08/06	3/08/06 9:41 PM	0603117-002A	3/08/06 11:42 AM	3/08/06	3/08/06 10:11 PM
0603117-003A	3/08/06 11:45 AM	3/08/06	3/08/06 10:40 PM	0603117-004A	3/08/06 11:47 AM	3/08/06	3/08/06 11:40 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0603117

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 20632	Spiked Sample ID: 0603117-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND	0.050	120	118	1.45	116	120	2.97	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	106	105	0.321	108	108	0	70 - 130	70 - 130
Toluene	ND	0.050	116	113	2.71	116	114	2.08	70 - 130	70 - 130
%SS1:	96	0.050	108	107	0.957	108	108	0	70 - 130	70 - 130
%SS2:	106	0.050	102	101	0.613	101	102	1.24	70 - 130	70 - 130
%SS3:	104	0.050	109	112	2.23	109	110	0.623	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20632 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603117-001A	3/08/06 10:20 AM	3/08/06	3/08/06 4:34 PM	0603117-002A	3/08/06 11:42 AM	3/08/06	3/08/06 5:17 PM
0603117-003A	3/08/06 11:45 AM	3/08/06	3/08/06 6:00 PM	0603117-004A	3/08/06 11:47 AM	3/08/06	3/08/06 6:43 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644 _____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0603117

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 20642	Spiked Sample ID: 0603091-008B

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	106	107	1.31	107	108	1.03	70 - 130	70 - 130
%SS:	91	50	97	98	1.38	98	99	0.779	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 20642 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603117-001A	3/08/06 10:20 AM	3/08/06	3/09/06 11:04 AM	0603117-002A	3/08/06 11:42 AM	3/08/06	3/09/06 11:04 AM
0603117-003A	3/08/06 11:45 AM	3/08/06	3/08/06 5:22 PM	0603117-004A	3/08/06 11:47 AM	3/08/06	3/08/06 6:30 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644 _____ QA/QC Officer