Results of the March and April 2004
Soil and Groundwater Investigation
at the Former Cox Cadillac Property
230 Bay Place
Oakland, California

August 4, 2004
001-09171-12

Prepared for
Bond Companies
350 W. Hubbard Street, Suite 4560
Chicago, Illinois 60610

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001-09171-12

Mr. Don Hwang
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Subject: Soil and Groundwater Investigation Report, Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)

Dear Mr. Hwang:

On behalf of Bond Companies, LFR Levine·Fricke (LFR) has prepared this Soil and Groundwater Investigation Report for the former Cox Cadillac property, located at 230 Bay Place in Oakland, California ("the Site"). The report includes a summary of previous investigations at the Site; descriptions of sampling methodology; a description of the results in narrative, tabulated, and illustrative form; conclusions and recommendations; and data sheets.

If you have any questions or comments, please call either of the undersigned at telephone number (510) 652-4500.

Sincerely,

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Principal Geologist
Assistant Operations Manager

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Enclosure

cc: Mr. Robert Bond, Bond Companies
Zachary Walton, Esq., Paul, Hastings, Janofsky & Walker LLP

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1.0 INTRODUCTION

1.1 Purpose of the Soil and Groundwater Investigation

The soil and groundwater investigation was conducted by LFR Levine·Fricke (LFR), on behalf of Bond Companies, to further characterize soil and groundwater quality at the former Cox Cadillac property located at 230 Bay Place in Oakland, California ("the Site"; Figure 1).

Review of previously prepared reports indicated that the soil and groundwater at the Site has been affected by petroleum hydrocarbons associated with releases from historical underground storage tanks (USTs) that have been removed from the Site. However, based on LFR's review of the data collected during previous investigations, there were several areas of the Site in which neither soil nor groundwater data were collected, particularly beneath the former indoor service area and the former showroom.

1.2 Scope of the Soil and Groundwater Investigation

The scope of the soil and groundwater investigation was as follows:

- advance eight borings
- collect soil and groundwater samples from each boring
- submit the soil and groundwater samples for laboratory analysis
- prepare this report summarizing the investigation results, and presenting conclusions and recommendations.

2.0 SITE DESCRIPTION

2.1 Site Location and Description

The Site was formerly occupied by Cox Cadillac and was used for automobile sales and service. It is currently vacant. The facility comprises 45,300 square feet, of which approximately 11,000 square feet were formerly used as a sales showroom and offices, while the remainder was formerly used for automobile storage, bodywork, painting, and indoor service.

The Site is located in a mixed residential and commercial area approximately 1,000 feet north of Lake Merritt in Oakland. The Site consists of approximately 2.2 acres and was occupied by an abandoned automobile showroom building shell. The remainder of the Site is covered with concrete or asphalt (Figure 2). A portion of the

building was constructed as early as the 1890s. The primary structure was demolished in February and March 2004 in accordance with a City of Oakland Department of Building and Department of Public Works permit. The portion of the structure that was constructed in 1915 is considered to have architectural/historical significance and has been retained.

The site vicinity is primarily residential, commercial, and light-industrial facilities, primarily automobile dealerships and service stations. Single-family and multi-unit residential buildings occupy the property to the northeast and southeast of the Site. The property to the northwest of the Site is occupied by a church and associated school. An auto dealership, auto repair shops, and a service station occupy the properties to the south and west of the Site across Bay Place.

Surface elevation at the Site is approximately 12 feet above mean sea level. Topography in the site vicinity slopes gently to the southwest toward Vernon Street (USGS 1993).

2.2 Regional Geology and Hydrogeology

The region is underlain by the Quaternary-age Temescal and Alameda Formations. The Temescal Formation consists of inter-fingering layers of clayey gravel, sandy silty clay, and various clay-silt-sand mixtures. The Temescal Formation varies in depth to a maximum of approximately 60 feet and is underlain by the Alameda Formation, which consists of unconsolidated continental and marine gravels, sand, silt, and clay, with some shells and organic materials in various places. The Alameda Formation has a maximum known thickness of 1,050 feet (Radbruck 1957; ETIC 2004a).

The Site is located in the East Bay Plain Groundwater Basin. Regional groundwater flow is to the west, in the general direction of the San Francisco Bay (RWQCB 1995; ETIC 2004a). Since 1992, groundwater at the Site has been observed to fluctuate in some monitoring wells as much as 5.5 feet (Table 1). This fluctuation is attributed to the seasonal differences in rainfall at the Site. Other historical data regarding depth to groundwater in the site vicinity were not available.

2.3 Site Geology and Hydrogeology

The description of the lithology at the Site is derived from previous investigations that were conducted at the Site. Figure 3 illustrates the locations of cross sections developed for the Site. Figures 4 and 5 are northwest-southeast cross sections, and Figure 6 and 7 are northeast-southwest cross sections.

In general, the Site is underlain by clays, silts, and sands. Fill material containing a mixture of brick, concrete, and gravel is present from below the concrete slab to approximately 5 feet below ground surface (bgs) in some areas of the Site. In addition, a concrete subfloor is present beneath the southern area of the showroom.

Cross sections based on borings completed by LFR as well as others (boring logs are included with this report as Appendices A and B), included in this report as Figures 4 through 7, indicate that the uppermost 4 to 5 feet below any concrete cap at the Site consists primarily of sandy or silty clay. An exception to the occurrence of the sandy or silty clay at these depths is in the northwestern portion of the Site, where a gray to gray-green clay interval is encountered. This clay interval appears to be between approximately 4 and 10 feet thick where it is encountered (CPT-4A, GF-3; Figure 6). This clay is not encountered in the eastern-northeastern portion of the Site, where a green or brown sand, often with gravel or clay, between approximately 3 to 5 feet in thickness, is encountered (Figure 7). Another interval of sandy or silty clay underlies this clay or sand interval, which is then underlain by silt. This sandy, silty clay interval is approximately 6 feet thick at its thinnest observed occurrence (CPT-4A). The maximum thickness of the silt is unknown because borings completed at the Site do not penetrate it fully (Figures 4 and 7). In the western portion of the Site, where this sandy or silty clay interval is thinnest, it is underlain by a clay interval. At its westernmost point, this interval is approximately 35 feet thick (CPT-4A; Figure 6). A silty or sandy clay is encountered at these depths in the more eastern portion of the Site (Figure 5). A silt or silty sand layer is present beneath the clay in the westernmost portion of the Site; silt is encountered at other locations. The full thickness of this layer is unknown because it is not penetrated fully by any of the borings.

Groundwater is first encountered at the Site at approximately 8 to 12 feet bgs and the groundwater rises to a static level of approximately 3 to 5 feet bgs. The shallow groundwater flow direction beneath the Site is to the southwest, with an average hydraulic gradient of approximately 0.05 foot/foot (Figure 8 [from ETIC 2004b]).

2.4 Historical Site Use

The Site was formerly occupied by Cox Cadillac and was used for automobile sales and service, including storage, maintenance, repair, and painting, and is currently vacant. The Site consists of approximately 2.2 acres and was formerly occupied by an approximately 11,000-square-foot automobile showroom. The remainder of the Site is covered with concrete and asphalt (Figure 2).

3.0 SUMMARY OF REMEDIAL INVESTIGATIONS AND INTERIM REMEDIAL ACTIVITIES

Several soil and groundwater investigations have been conducted at the Site since 1992. The following sections summarize these activities and the results obtained from the previous soil and groundwater investigations that have taken place at the Site.

3.1 Underground Storage Tanks

The Site formerly housed a Cadillac car dealership, including a service facility. Three USTs were present at the Site as part of the service facility (Figure 2). A 1,050-gallon-capacity mineral spirits tank reportedly located on Harrison Street was removed in September 1992 (PES Environmental, Inc. [PES] 1992). Reportedly, PES did not identify any environmental issues regarding leakage from this tank that would warrant additional soil or groundwater investigation or remediation.

The other two USTs were the focus of the environmental investigations conducted at the Site. These USTs consisted of a 3,000-gallon-capacity waste oil storage tank, removed in December 1988 by R.S. Eagan & Company, and a 10,000-gallon-capacity gasoline storage tank, with associated product piping, removed in January 1994 (Eisenberg, Olivieri, & Associates [EOA] 1994a). The waste oil UST was located just southeast of the indoor service area (Figure 2), and the gasoline UST was located on the Site near the intersection of Bay Place and Vernon Street (Figure 2).

3.1.1 Waste Oil Underground Storage Tank

During removal of the waste oil UST, holes were reportedly observed in the UST and free product was present in the excavation. Approximately 27 cubic yards of affected soil were excavated and removed from the Site during removal of the waste oil UST in 1988 (Figure 2; PES 1993).

3.1.2 Gasoline Underground Storage Tank

During the excavation and removal of the 10,000-gallon-capacity UST, a hole was observed in the product piping that lead from the UST to the fuel dispenser (west of the UST). Free-phase product was observed on the groundwater surface in the gasoline UST excavation. Two soil samples were collected from the excavation for the gasoline UST at depths of approximately 4 feet bgs (southern wall) and 5 feet bgs (northern wall). Groundwater was encountered at approximately 5 feet bgs. Therefore, no soil samples were collected from beneath the UST because of the relatively high groundwater level. The product piping was reportedly present at depths between approximately 9 inches (dispenser end) and 24 inches bgs (UST end). Three soil samples were collected from the piping excavation. Approximately 50 cubic yards of soil were excavated and removed during removal of this UST in 1994 (EOA 1994a).

In June 1994, an additional soil excavation was conducted at the Site to remove the source of the affected groundwater at the Site. Approximately 100 cubic yards of total petroleum hydrocarbon- (TPH-) affected soil adjacent to the former gasoline UST, along the western portion of the former product piping route, were excavated and removed. Based on the analytical results of confirmation soil samples collected during these excavation activities, soil containing up to 700 milligrams per kilogram (mg/kg) of TPH as gasoline (TPHg) remained in soil following excavation activities (EOA 1994b).

In July 1997, an additional 50 cubic yards of TPH-affected soil were excavated from the area adjacent to the eastern edge of the former gasoline UST and the former product piping route. A total of three confirmation soil samples (two from the southern sidewall and one from the northern sidewall) were collected from a depth of approximately 2.5 feet bgs. One of the soil samples collected from the southern sidewall contained benzene at a concentration of 0.009 mg/kg and total xylenes at a concentration of 0.013 mg/kg. The other analytes were below laboratory reporting limits in the three samples (PES 1999).

3.2 Soil Investigations

In addition to the UST removals, several soil and groundwater investigations have been conducted at the Site. The following presents a summary of the results of the soil data collected during the investigations; the data for the soil samples are presented on Figure 9.

PES conducted a soil-quality investigation inside the building in 1999, adjacent to the location of the former gasoline UST, to delineate potentially affected soil within the building. Reported concentrations of petroleum hydrocarbons in soil collected from borings inside the building (B-2 and B-3) were below the laboratory reporting limit of 1 mg/kg for TPHg. With the exception of xylenes, which were detected at a concentration of 0.005 mg/kg in a soil sample from soil boring B-2, the chemicals analyzed were below laboratory reporting limits. Reported concentrations for soil samples collected from boring B-3 at depths between 4 and 4.5 feet bgs were 0.038 mg/kg of benzene, 0.0051 mg/kg of total xylenes, and 0.18 mg/kg of methyl tertiary-butyl ether (MTBE; Figure 9; PES 1999).

On July 28, 2000, LFR advanced soil boring SB-1 in the former showroom, between the southeastern wall and PES soil boring B-3 (Figure 9). LFR collected a soil sample from a depth of approximately 2 feet bgs. However, a deeper soil sample and a groundwater sample could not be collected at this location because what appeared to be a concrete subslab was encountered immediately beneath the 2-foot sample depth. The analytical results for the collected sample (SB-1) did not indicate the presence of petroleum hydrocarbons above laboratory reporting limits (LFR 2000).

Two soil samples were collected from boring EB-1, which was drilled in the northern corner of the building by Lowney Associates on July 27, 2000 (Figure 9). During drilling, Lowney Associates reportedly noticed hydrocarbon odor in this boring. The soil sample collected from a depth of approximately 1.5 feet bgs contained concentrations of TPHg at 370 mg/kg, ethylbenzene at 0.078 mg/kg, and xylenes at 1.6 mg/kg. Benzene and toluene were not present above laboratory reporting limits. The soil sample collected from a depth of approximately 4 feet bgs from soil boring EB-1 contained TPHg at 17 mg/kg, toluene at 0.013 mg/kg, ethylbenzene at 0.024 mg/kg, and xylenes at 0.086 mg/kg. Benzene was not present above laboratory reporting limits (LFR 2000).

In May 2001, LFR collected soil samples from approximately 4 and 7.5 feet bgs from soil boring LF-1, located near soil boring B-3 (Figure 9). The sample collected at approximately 4 feet contained TPHg at 3.2 mg/kg, TPH as diesel (TPHd) at 5.3 mg/kg, and TPH as motor oil (TPHmo) at 4.3 mg/kg. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) were detected at 0.100 mg/kg, 0.016 mg/kg, 0.026 mg/kg, and 0.029 mg/kg, respectively. The sample collected at approximately 7.5 feet bgs did not contain petroleum hydrocarbons above their laboratory reporting limits.

In November 2003, ETIC conducted a soil investigation to further characterize the lateral and vertical extent of TPH and BTEX compounds in site soils and groundwater (ETIC 2004a). The results of the groundwater investigation are summarized in Section 3.3. This investigation consisted of advancing 15 borings (UB1 through UB4, GP1 through GP9, GP2A, and GP4A), collecting soil samples from select borings, and analyzing the samples for TPHg, BTEX, and gasoline oxygenates. The results are presented on Figure 9. Soil samples collected from on-site locations GP2 and GP2A contained TPHg at concentrations up to 810 mg/kg; benzene up to 33 mg/kg, toluene up to 32 mg/kg, ethylbenzene up to 23 mg/kg, and xylenes up to 79 mg/kg; and MTBE up to 3.0 mg/kg. These concentrations were detected in soil samples collected near the former gasoline UST location. Analysis of one off-site soil sample collected at 5 feet bgs detected only benzene (0.0093 mg/kg) and ethylbenzene (0.0092 mg/kg) above laboratory reporting limits.

3.3 Groundwater Investigations

Several groundwater investigations have also been conducted at the Site. In 1993, PES conducted investigations that included the installation of several groundwater monitoring wells. Permanent well MW-1 was installed in March 1993. Temporary wells TW-1 through TW-7 were installed in October 1993, and five of them were converted to permanent monitoring wells (TW-2 and TW-4 through TW-7; PES 1993). In addition, a second permanent monitoring well (MW-2) was installed in December 1998 (PES 1999). The locations of these wells are shown on Figure 2. Well TW-7 is located immediately downgradient (with respect to the direction of groundwater flow) from the former gasoline UST; TW-5 is located downgradient from the former fuel dispenser, in the vicinity of the product piping and close to the former building (PES 1993).

Since 1993, groundwater investigations and monitoring have periodically been conducted. Historical groundwater monitoring data are presented in Table 2. More recently, ETIC conducted a grab groundwater investigation in November 2003 and groundwater monitoring in January 2004. In March 2004, LFR conducted a separate grab groundwater investigation. The purpose of ETIC's and LFR's grab groundwater investigations was to further characterize the likely on-site or off-site sources of the hydrocarbon and MTBE groundwater plume at the Site, delineate the lateral extent of the plume, and characterize its chemical composition. Isoconcentration contours for TPHg, benzene, and MTBE are depicted on Figures 10, 11, and 12, respectively.

In November 2003, ETIC conducted a groundwater investigation that consisted of collecting eight grab groundwater samples from soil borings GP1, GP2A, GP6 through GP9, UB1, and UB2 (Table 3; ETIC 2004a). These samples were analyzed for TPHg, BTEX, and gasoline oxygenates. Reportedly, the on-site groundwater samples contained TPHg up to a concentration of 67,000 micrograms per liter (µg/l), benzene to 9,500 µg/l, ethylbenzene to 1,800 µg/l, toluene to 5,700 µg/l, and total xylenes to 6,100 µg/l. These maximum detections were detected in the grab groundwater sample collected from soil boring GP-6, located in the former indoor service area. MTBE was detected at the highest concentrations (5,800 µg/l in GP1 and 7,300 µg/l in GP2A) near the former gasoline UST location. One groundwater sample collected off site at location UB-2 was found to contain TPHg at 14,000 µg/l and MTBE at 37 µg/l, while the groundwater sample collected from UB-1 contained toluene (1.5 µg/l), total xylenes (2.0 µg/l), and MTBE (0.84 µg/l).

ETIC collected groundwater samples from five on-site groundwater monitoring wells (MW-1, MW-2, TW-2, TW-6, and TW-7) in January 2004. The results, presented in Table 1, indicated that TPHg and BTEX were not detected above their respective detection limits in monitoring wells MW-2, TW-2, and TW-6. Groundwater samples collected from MW-1 and TW-7 had elevated concentrations of TPHg of 32,000 µg/l and 16,000 µg/l, respectively, and benzene concentrations of 2,700 µg/l and 2,500 µg/l, respectively. The farthest downgradient well, MW-2, had the highest concentration of MTBE at 2,100 µg/l (ETIC 2004b).

3.4 Interim Corrective Actions

In 1999, PES conducted an interim remedial measure (IRM) at the Site to address petroleum hydrocarbon-affected groundwater. This IRM consisted of introducing oxygen and nutrients into the groundwater at the Site to enhance biodegradation of petroleum hydrocarbons, and the placement of Oxygen Releasing Compound (ORC) in selected wells at the Site. Following completion of the IRM activities, PES concluded that the IRM had been effective in reducing the concentrations of petroleum hydrocarbons in groundwater in wells MW-1 and TW-6. However, the remedial activities were not effective at reducing the concentrations of petroleum hydrocarbons in groundwater in well TW-7 (PES 2000).

4.0 SOIL AND GROUNDWATER INVESTIGATION – LFR 2004

In March 2004 eight soil borings were advanced in the showroom and indoor service areas of the Site in order to collect soil and groundwater samples. The purpose of this investigation was to address the identified gaps in the soil and groundwater data for the Site. In addition, in April 2004 LFR completed excavations at four locations to investigate the foundation of the historic showroom building. Observations of soil and groundwater conditions were recorded, as were photoionization detector (PID) measurements. Concrete samples were collected during the excavations.

4.1 Sampling Methodology

Borings for the March 2004 investigation were advanced using Geoprobe technology and were completed under the supervision of LFR. Each boring was logged by an LFR geologist using the Unified Soil Classification System, and cuttings and samples were field screened for organic compounds using a PID. Soil samples were collected using the continuous-core sampling method. Soil samples were obtained by pushing the continuous-core barrel tube lined with plastic sample tubes into the soil. Each soil sample tube was sealed with Teflon sheets and plastic end caps. Grab groundwater samples were collected from each borehole in a clean Teflon bailer after retracting the tip of the Geoprobe tube and allowing the groundwater to pass through a slotted screen.

During the April 2004 excavation activity concrete samples were collected as the backhoe began each excavation or as concrete was encountered at depth. Samples were field screened for organic compounds using a photoionization detector. Samples were placed in glass sample jars upon collection.

Each sample retained for analysis was labeled at the time of sampling and stored in an ice-chilled cooler for transportation to a state-certified analytical laboratory under strict chain-of-custody procedures.

4.2 Soil and Concrete Results

In March 2004, LFR advanced eight soil borings (SB-1 through SB-8) to further assess the constituents in soil under the concrete slabs and to help delineate the lateral extent of the affected groundwater. The results of the groundwater investigation are summarized in Section 4.3. Generally, two soil samples were collected from each boring (SB-1 through SB-6) between approximately 0 and 2 feet bgs and between approximately 3.5 and 5.5 feet bgs. The soil samples were analyzed for TPHg, TPHd, BTEX, and MTBE. TPHg, BTEX, and MTBE were not detected in soil samples collected from SB-1 and SB-4 through SB-6 (Figure 9). TPHg was detected in the soil sample collected at a depth of approximately 5.5 feet bgs from SB-3 at a concentration of 1.2 mg/kg. TPHd was detected in 10 of 11 soil samples collected from soil borings SB-1 through SB-6. Concentrations of TPHd ranged from less than 1.0 mg/kg in the soil sample collected from approximately 4.5 feet bgs at soil boring SB-2 to 130 mg/kg in the soil sample collected from approximately 3 feet bgs at soil boring SB-3. However, based on the laboratory's review of the chromatograms for each of the samples that contained detectable concentrations of TPHd, the diesel did not match the standard and is considered degraded gasoline or naturally occurring oils. TPHg and BTEX were detected in a soil sample collected from SB-2, located immediately adjacent to the former waste oil storage tank, at concentrations of 30 mg/kg, 0.86 mg/kg, 0.14 mg/kg, 0.68 mg/kg, and 2.07 mg/kg, respectively. MTBE was not detected in the samples analyzed from boring SB-2.

Surface concrete samples were collected during the April 2004 investigation at the location of excavations EX-1, EX-3, and EX-4 for the purpose of characterizing the concrete for disposal off site. In addition, concrete was encountered and sampled at approximately 1.5 feet bgs at EX-1. The location of EX-2 was beneath asphalt, so no sample was collected. The excavation locations are shown on Figure 2. The samples were analyzed for TPHg, TPHd, BTEX, and Title 22 metals. TPHg was not detected above the reporting limit in any of the samples. Low levels of ethylbenzene and xylenes were detected in the 1.5-foot-bgs sample at EX-1 and the surface sample at EX-4. TPHd was detected in each of the surface concrete samples; 13 mg/kg at EX-1, 290 mg/kg at EX-3, and 620 mg/kg at EX-4. TPHd was not detected in the subsurface sample collected at EX-1. No metals were reported at concentrations in excess of its Total Threshold Concentration Limit (TTLC).

Evaluation of soil data collected during several of the investigations conducted at the Site indicates that the soil contamination appears to be localized in the vicinity of the former UST locations (Figure 9).

Soil data collected during previous site investigations indicate that relatively low concentrations of TPHg and BTEX are present in the shallow soil (less than 5 feet bgs) in localized areas in the vicinity of the former USTs. TPHg was detected at a maximum concentration of 810 mg/kg, and BTEX compounds were detected at maximum concentrations of 33 mg/kg, 3.4 mg/kg, 1.4 mg/kg, and 4.2 mg/kg, respectively. MTBE was detected in soil at a maximum concentration of 1.6 mg/kg. As discussed above, TPHd has been detected in the soil samples collected at the Site. However, based on the laboratory's review of the chromatograms for each of the samples that contained detectable concentrations of TPHd, the diesel did not match the standard and is considered degraded gasoline or naturally occurring oils. Soil sample results collected during several subsurface investigations indicate that the lateral extent of gasoline contamination is likely limited to the former UST areas.

4.3 Groundwater Results

LFR collected eight grab groundwater samples in March 2004 from borings SB-1 through SB-8, identified as GW-1 through GW-8 (Table 4). These samples were analyzed for TPHg, TPHd, BTEX, and MTBE. TPHg and BTEX were not detected in the grab groundwater samples collected from soil borings SB-1 and SB-4 through SB-7. TPHg and BTEX were detected in GW-3 at relatively low concentrations and in GW-2 at relatively high concentrations. The concentrations of TPHg and benzene in GW-3 were 970 μg/l and 48 μg/l, respectively. The concentrations of TPHg and benzene in GW-2 were 970,000 μg/l and 23,000 μg/l, respectively. Sample GW-2 was collected directly downgradient from the former waste oil tank area. MTBE was only detected in three samples (GW-5, GW-6, and GW-7) at concentrations ranging from 1.1 μg/l to 55 μg/l.

Grab groundwater samples were collected from seven of the eight soil borings for TPHd analysis. SB-2 did not yield enough water to allow collection of a groundwater sample for the analysis of TPHd. TPHd was detected in each of the seven groundwater samples collected from soil borings SB-1 and SB-3 through SB-8. Concentrations of TPHd ranged from 260 µg/l in the grab groundwater sample collected at soil boring SB-1 to 350,000 µg/l in the grab groundwater sample collected from soil boring SB-7. As with the soil samples, based on the laboratory's review of the chromatograms for each of the samples that contained detectable concentrations of TPHd, the diesel did not match the standard and contains heavier-ended hydrocarbons.

In April 2004, four test pits were excavated to evaluate the building's foundation. Observations made in a test pit located at the southern corner of the existing historical building indicated that an oily substance was present on the groundwater surface. This observation is consistent with the findings of previous investigations, indicating that petroleum hydrocarbon-affected groundwater extends to this area.

Recent groundwater monitoring events and groundwater investigations have been used to evaluate the nature and extent of constituents in groundwater.

TPHg, BTEX, and MTBE (hereafter referred to as chemicals of potential concern [COPC]), and other oxygenates have been detected in the groundwater at the Site. Figures 10 through 12 illustrate the estimated lateral extent of TPHg, benzene, and MTBE at the Site based on November 2003, January 2004, and March 2004 groundwater data. The grab groundwater data have been used to define the lateral extent of the affected groundwater.

Evaluation of groundwater sampling data indicates that petroleum hydrocarbon-affected groundwater is present in the vicinity of the former waste oil tank, and the former gasoline UST and its associated piping and dispenser. The highest concentration of gasoline is present downgradient from the former waste oil tank. The recent concentrations of TPHg and benzene detected in groundwater monitoring well MW-1 are 32,000 µg/l and 2,700 µg/l, respectively. MTBE appears to be limited to the area of the former gasoline UST. The highest concentration is 2,500 µg/l in well TW-7. As discussed above, TPHd has been detected in the grab groundwater samples collected at the Site. However, based on the laboratory's review of the chromatograms for each of the samples that contained detectable concentrations of TPHd, the diesel did not match the standard and contains heavier-ended hydrocarbons. The lateral extent of COPC has been defined on the north, east, south, and west by the absence of COPC in samples collected from wells TW-2 and TW-6, and grab groundwater samples collected from soil borings SB-1, SB-4, SB-6, SB-8, UB-1, and UB-2 (Figures 10, 11, and 12). Groundwater monitoring wells MW-1 and MW-2 are completed at a depth of approximately 20 feet bgs and are screened between 5 feet and 20 feet. Wells TW-2 and TW-4 through TW-7 are completed to a depth of between approximately 8 feet and 10 feet and are screened between approximately 3 and 10 feet bgs. The grab groundwater samples have been collected at depths ranging from approximately 6 to 10 feet bgs.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of recent and historical soil investigations at the Site, it appears that the lateral extent of petroleum-affected soil has been assessed and that it is associated with the area around the former gasoline and waste oil underground storage tanks located in the southern portion of the Site.

LFR recommends that several remedial actions be implemented in order to address the petroleum hydrocarbons in soil and groundwater. These remedial actions are described in detail in the document entitled Revised Corrective Action Plan (RCAP), Former Cox Cadillac Property (LFR, 2004), and comprise the following:

- **Excavation and Off-Site Disposal:** This action will include excavating affected soils in the former UST, piping, and dispenser locations, as shown on Figure 8 of the RCAP. In addition, affected groundwater will be pumped from the open excavation. The affected soil and groundwater removed from the excavation will be disposed of off site.
- **Enhanced Bioremediation:** ORC in a powder form will be broadcast in the open excavation prior to backfilling.
- **Periodic Groundwater Monitoring:** This task will include continued performance of periodic groundwater monitoring.

In addition to implementing these remedial actions, it is recommended that additional soil and grab groundwater sampling be conducted at three locations in the area of the former waste oil UST in order to assess the vertical extent of petroleum-affected media. These borings will be completed to depths of approximately 40 feet bgs; soil samples will be collected at approximately 5, 10, 15, 20, 30, and 40 feet bgs. Groundwater sampling will be attempted at the same approximate depths. A work plan for this proposed investigation is included as Appendix D of this report.

6.0 REFERENCES

Eisenberg, Olivieri, & Associates (EOA). 1994a. Report of UST Closure Activities, 230 Bay Place, Oakland, California. February.

———. 1994b. Report of Soil Excavation and Disposal (sic) Activities, 230 Bay Place, Oakland, California. September.

ETIC. 2004a. Supplemental Site Investigation Report, Former Cox Cadillac, 230 Bay Place, Oakland, California. January 23.

———. 2004b. First Quarter 2004 Groundwater Monitoring Report, Former Cox Cadillac Fuel Lead Case No. RO0000148, 230 Bay Place, Oakland, California. March 17.

LFR Levine·Fricke (LFR). 2000. Summary and Recommendations for the Former Cox Cadillac Property, 230 Bay Place, Oakland, California. Draft Letter. July 17.

———. 2004. Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California. June 4.

PES Environmental (PES). 1992. Underground Mineral Spirits, Tank Closure Report, Bill Cox Cadillac, 230 Bay Street, Oakland, California. November 13.

———. 1993. Report, Soil and Groundwater Investigation, Bill Cox Cadillac, 230 Bay Place, Oakland, California. December 23.

———. 1999. Report, Site Characterization and Interim Remedial Actions, Former Cox Cadillac Facility, 230 Bay Place, Oakland, California. September 30.

———. 2000. Quarterly Groundwater Monitoring and Year-End Bioremediation Evaluation Report, Former Cox Cadillac Facility, 230 Bay Place, Oakland, California. May 24.

Radbruck, Dorothy H. 1957. Areal and Engineering Geology of the Oakland West Quadrangle, California. USGS-Miscellaneous Geologic Investigation Map I-239.

Regional Water Quality Control Board (Region 2; RWQCB). 1995. Water Quality Control Plan, San Francisco Bay Region. June 21.

United States Geological Survey (USGS). 7.5 Minute Series Topographic Map, Oakland West San Jose, California Quadrangle. 1993.

Table 1
Historical Groundwater Elevation Data
Former Cox Cadillac
230 Bay Place
Oakland, California

Well Number	Sample Date	TOC Elevation (feet)	Depth to Groundwater (Feet BTOC)	Groundwater Elevation (feet msl)
MW-1	12/22/94	100.00	2.96	97.04
	03/24/95	100.00	2.21	97.79
	06/29/95	100.00	2.44	97.56
	09/29/95	100.00	3.00	97.00
	02/23/96	100.00	2.18	97.82
	01/12/99	100.00	2.79	97.21
	04/13/99	100.00	2.00	98.00
	07/07/99	100.00	2.60	97.40
	10/06/99	100.00	2.94	97.06
	01/11/00	100.00	2.69	97.31
	04/06/01	100.00	2.99	97.01
	07/25/01	100.00	6.00	94.00
	11/20/01	100.00	3.32	96.68
	01/23/02	100.00	2.47	97.53
	04/26/02	100.00	2.25	97.75
	07/25/02	100.00	3.04	96.96
	10/22/02	100.00	3.02	96.98
	01/27/03	100.00	2.27	97.73
	10/03/03	100.00	2.81	97.19
	10/22/03	100.00	2.97	97.03
MW-2	01/12/99	97.48	5.62	91.86
	04/13/99	97.48	5.30	92.18
	07/07/99	97.48	5.80	91.68
	10/06/99	97.48	5.99	91.49
	01/11/00	97.48	5.73	91.75
	04/06/01	97.48	5.65	91.83
	07/25/01	97.48	6.41	91.07
	11/20/01	97.48	5.89	91.59
	01/23/02	97.48	5.68	91.80
	04/26/02	97.48	5.85	91.63
	07/25/02	97.48	6.15	91.33
	10/22/02	97.48	6.25	91.23
	01/27/03	97.48	5.71	91.77
	10/03/03	97.48	6.04	91.44
	10/22/03	97.48	6.08	91.40
TW-2	12/22/94	100.43	2.88	97.55
	03/24/95	100.43	1.87	98.56
	06/29/95	100.43	2.10	98.33
	09/29/95	100.43	3.02	97.41
	02/23/96	100.43	2.13	98.30
	01/12/99	100.43	1.91	98.52
	04/13/99	100.43	2.51	97.92
	07/07/99	100.43	1.89	98.54
	10/06/99	100.43	1.97	98.46
	01/11/00	100.43	1.79	98.64
	04/06/01	100.43	3.46	96.97

Table 1
Historical Groundwater Elevation Data
Former Cox Cadillac
230 Bay Place
Oakland, California

Well Number	Sample Date	TOC Elevation (feet)	Depth to Groundwater (Feet BTOC)	Groundwater Elevation (feet msl)
TW-2	07/25/01	100.43	2.60	97.83
	11/20/01	100.43	1.85	98.58
	01/23/02	100.43	3.21	97.22
	04/26/02	100.43	4.30	96.13
	07/25/02	100.43	1.89	98.54
	10/22/02	100.43	1.97	98.46
	01/27/03	100.43	3.15	97.28
	10/03/03	100.43	1.92	98.51
	10/22/03	100.43	1.87	98.56
TW-4	04/13/99	99.35	1.82	97.53
	07/07/99	99.35	2.36	96.99
	01/11/00	99.35	2.63	96.72
	04/06/01	99.35	3.97	95.38
	07/25/01	99.35	2.55	96.80
	11/20/01	99.35	2.33	97.02
	01/23/02	99.35	2.26	97.09
	04/26/02	99.35	2.20	97.15
	07/25/02	99.35	2.24	97.11
	10/22/02	99.35	2.60	96.75
	01/27/03	99.35	2.03	97.32
	10/03/03	99.35	2.72	96.63
TW-5	04/13/99	99.40	1.96	97.44
	07/07/99	99.40	3.12	96.28
	01/11/00	99.40	1.03	98.37
	04/06/01	99.40	3.04	96.36
	07/25/01	99.40	3.90	95.50
	11/20/01	99.40	2.55	96.85
	01/23/02	99.40	2.64	96.76
	04/26/02	99.40	2.50	96.90
	07/25/02	99.40	3.15	96.25
	10/22/02	99.40	3.69	95.71
	01/27/03	99.40	2.38	97.02
	10/03/03	99.40	3.73	95.67
TW-6	12/22/94	98.75	4.66	94.09
	03/24/95	98.75	3.81	94.94
	06/29/95	98.75	5.25	93.50
	09/29/95	98.75	6.12	92.63
	02/23/96	98.75	3.66	95.09
	01/12/99	98.75	5.52	93.23
	04/13/99	98.75	4.91	93.84
	07/07/99	98.75	6.04	92.71
	10/06/99	98.75	6.64	92.11
	01/11/00	98.75	6.41	92.34
	04/06/01	98.75	4.93	93.82
	07/25/01	98.75	6.72	92.03

Table 1
Historical Groundwater Elevation Data
Former Cox Cadillac
230 Bay Place
Oakland, California

Well Number	Sample Date	TOC Elevation (feet)	Depth to Groundwater (Feet BTOC)	Groundwater Elevation (feet msl)
	11/20/01	98.75	5.44	93.31
TW-6	01/23/02	98.75	3.25	95.50
	04/26/02	98.75	3.40	95.35
	07/25/02	98.75	6.54	92.21
	10/22/02	98.75	7.06	91.69
	01/27/03	98.75	2.50	96.25
	10/03/03	98.75	8.85	89.90
	10/22/03	98.75	5.97	92.78
TW-7	12/22/94	97.96	4.50	93.46
	03/24/95	97.96	2.98	94.98
	06/29/95	97.96	4.30	93.66
	09/29/95	97.96	5.19	92.77
	02/23/96	97.96	3.45	94.51
	01/12/99	97.96	4.81	93.15
	04/13/99	97.96	4.73	93.23
	07/07/99	97.96	5.17	92.79
	10/06/99	97.96	5.70	92.26
	01/11/00	97.96	5.42	92.54
	04/06/01	97.96	4.63	93.33
	07/25/01	97.96	6.80	91.16
	11/20/01	97.96	4.75	93.21
	01/23/02	97.96	5.68	92.28
	04/26/02	97.96	4.80	93.16
	07/25/02	97.96	5.61	92.35
	10/22/02	97.96	6.11	91.85
	01/27/03	97.96	4.38	93.58
	10/03/03	97.96	5.80	92.16
	10/22/03	97.96	5.91	92.05

Notes:
TOC - Top of Casing.
BTOC - Beneath top of casing.
msl - Mean sea level.

Table 2
Groundwater Analytical Data
Former Cox Cadillac
230 Bay Place
Oakland, California

Concentration (µg/L)

Well Number	Sample Date		Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g		MTBE		1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	1,1-DCA	Dissolved Lead	Ethanol
MW-1	03/03/93		8,500	7,500	4,400	15,000	110,000		--		350	--	--	--	--	--	--	--	--
MW-1	10/13/93		6,100	4,800	4,000	11,000	74,000		--		350	80	--	--	--	--	--	--	--
MW-1	12/22/94		18,000	11,000	2,800	16,000	110,000		--		130	--	--	--	--	--	<1.0	--	--
MW-1	03/24/95		3,700	1,800	2,200	4,700	25,000		--		130	--	--	--	--	--	<5.0	23	--
MW-1	06/29/95		5,300	2,100	3,200	7,500	28,000		--		110	--	--	--	--	--	<2.0	14	--
MW-1	09/29/95		5,600	2,200	3,800	7,400	43,000		--		98	--	--	--	--	--	<1.0	16	--
MW-1	02/23/96		4,800	3,000	3,400	7,700	46,000		--		96	--	--	--	--	--	<1.0	24	--
MW-1	01/12/99		2,600	970	2,900	5,700	39,000		800		--	--	--	--	--	--	--	--	--
MW-1	04/13/99		1,500	500	<50	4,000	29,000		520		--	--	--	--	--	--	--	--	--
MW-1	07/07/99		1,900	870	1,600	3,900	31,000		<250		--	--	--	--	--	--	--	--	--
MW-1	10/06/99		2,100	910	1,800	4,400	32,000		<250	a	--	--	--	--	--	--	--	--	--
MW-1	01/11/00		52	3.9	63	12	2,400		<5.0	a	--	--	--	--	--	--	--	--	--
MW-1	04/06/01		4,300	3,200	2,600	7,300	32,000		<10	a	--	--	--	--	--	--	--	--	--
MW-1	07/25/01		2,300	1,300	2,500	6,200	24,000		<25	a	--	--	--	--	--	--	--	--	--
MW-1	11/20/01		2,100	890	2,500	3,600	33,000		<100	a	--	--	--	--	--	--	--	--	--
MW-1	01/23/02		2,400	1,400	2,500	5,900	28,000		350		--	--	--	--	--	--	--	--	--
MW-1	04/26/02		3,200	2,400	2,700	6,300	39,000		2,800		--	--	--	--	--	--	--	--	--
MW-1	07/25/02		2,300	1,300	2,500	4,700	26,000		<500		--	--	--	--	--	--	--	--	--
MW-1	10/22/02		2,800	1,300	4,300	8,600	42,000		<10		<50	<50	<50	<100	<50	<50	--	--	--
MW-1	01/27/03		1,600	660	2,100	3,100	20,000		<20		<100	<100	<100	<200	<100	<100	--	--	--
MW-1	10/22/03	b	2,000	800	1,600	2,800	22,000		<20		<20	<20	<20	<200	<40	<20	--	--	<1,000
MW-1	01/30/04		2,700	1,400	2,900	5,800	32,000		<25		<25	<25	<25	<250	<50	<25	--	--	<1,300
MW-2	01/12/99		1.5	<0.50	<0.50	<0.50	<50		2,900		--	--	--	--	--	--	--	--	--
MW-2	04/13/99		0.76	<0.50	<0.50	<0.50	<50		3,800		--	--	--	--	--	--	--	--	--
MW-2	07/07/99		<25	<25	<25	<25	<2,500		7,000	a	--	--	--	--	--	--	--	--	--
MW-2	10/06/99		73	<25	<25	<25	2,800		300	a	--	--	--	--	--	--	--	--	--
MW-2	01/11/00		890	<100	<100	<100	11,000		8,400	a	--	--	--	--	--	--	--	--	--
MW-2	04/06/01		210	<25	<25	<25	2,800		3,800	a	--	--	--	--	--	--	--	--	--
MW-2	07/25/01		250	<12.5	<12.5	<12.5	3,400		4,200	a	--	--	--	--	--	--	--	--	--
MW-2	11/20/01		870	<100	<100	200	12,000		8,700		--	--	--	--	--	--	--	--	--
MW-2	01/23/02		100	<25	<25	<25	3,900		3,300		--	--	--	--	--	--	--	--	--
MW-2	04/26/02		13	<0.50	<0.50	<1.5	90		6,900		--	--	--	--	--	--	--	--	--
MW-2	07/25/02		<50	<50	<50	<100	<5,000		6,600		--	--	--	--	--	--	--	--	--
MW-2	10/22/02		<5.0	<5.0	<5.0	<10	7,800		7,000		<250	<250	<250	<500	<250	<250	--	--	--
MW-2	01/27/03		90	100	60	78	6,100		6,400		<250	<250	<250	<500	<250	<250	--	--	--
MW-2	10/22/03	b	<10	<10	<10	<20	2,000	g	3,000		<10	<10	<10	<100	<20	<10	--	--	<500
MW-2	01/30/04		<25	<25	<25	<50	<2,500		2,100		<25	<25	<25	<250	<50	<25	--	--	<1,300

Table 2
Groundwater Analytical Data
Former Cox Cadillac
230 Bay Place
Oakland, California

Concentration (µg/L)

Well Number	Sample Date		Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g		MTBE		1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	1,1-DCA	Dissolved Lead	Ethanol
TW-1	10/13/93		<0.50	<0.50	<0.50	<0.50	<50		--		<0.50	<0.50	--	--	--	--	--	--	--
TW-2	10/13/93		<0.50	<0.50	<0.50	<0.50	<50		--		<0.50	<0.50	--	--	--	--	--	--	--
TW-2	01/12/99		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	04/13/99		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	07/07/99		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	10/06/99		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	01/11/00		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	04/06/01		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	07/25/01		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	11/20/01		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	01/23/02		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	04/26/02		<0.50	<0.50	<0.50	<1.5	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	07/25/02		<0.50	<0.50	<0.50	<1.0	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-2	10/22/02		<0.50	<0.50	<0.50	<1.0	<50		<1.0		<5.0	<5.0	<5.0	<10	<5.0	<5.0	--	--	--
TW-2	01/27/03		<0.50	<0.50	<0.50	<1.0	<50		<1.0		<5.0	<5.0	<5.0	<10	<5.0	<5.0	--	--	--
TW-2	10/22/03	b	<0.50	<0.50	<0.50	<1.0	53	g	<0.50		<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-2	01/30/04		<0.50	<0.50	<0.50	<1.0	<50		<0.50		<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-3	10/13/93		<0.50	<0.50	<0.50	<0.50	<50		--		<0.50	<0.50	--	--	--	--	--	--	--
TW-4	10/13/93		65	18	49	33	2,000		--		<5.0	<5.0	--	--	--	--	--	--	--
TW-4	10/03/03	b	<0.50	0.97	0.63	1.4	<50		<0.50		<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-5	10/13/93		20,000	25,000	3,800	23,000	140,000		--		<100	<100	--	--	--	--	--	--	--
TW-5	10/03/03	b	4,400	1,700	820	2,900	21,000		<100		<100	<100	<100	<100	<200	<100	--	--	<5,000
TW-6	10/14/93		3,800	1,600	110	540	4,100		--		<1.0	<1.0	--	--	--	--	--	--	--
TW-6	12/22/94		5,400	2,700	3,100	6,800	24,000		--		<1.0	--	--	--	--	--	<1.0	--	--
TW-6	03/24/95		4,900	530	270	380	10,000		--		<2.0	--	--	--	--	--	<2.0	<3.0	--
TW-6	06/29/95		12,000	6,600	1,000	3,000	28,000		--		<1.0	--	--	--	--	--	<1.0	4.2	--
TW-6	09/29/95		19,000	5,200	1,500	4,000	47,000		--		<1.0	--	--	--	--	--	<1.0	3.3	--
TW-6	02/23/96		13,000	5,200	1,100	2,770	25,000		--		<1.0	--	--	--	--	--	<1.0	5.2	--
TW-6	01/12/99		9,900	4,100	1,000	4,000	29,000		210		--	--	--	--	--	--	--	--	--
TW-6	04/13/99		0.70	<0.50	<0.50	0.62	<50		22		--	--	--	--	--	--	--	--	--
TW-6	07/07/99		13	<0.50	<0.50	2.2	55		8.1	a	--	--	--	--	--	--	--	--	--
TW-6	10/06/99		0.59	<0.50	<0.50	<0.50	<50		<5		--	--	--	--	--	--	--	--	--
TW-6	01/11/00		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--
TW-6	04/06/01		<0.50	<0.50	<0.50	<0.50	<50		<5.0		--	--	--	--	--	--	--	--	--

Table 2
Groundwater Analytical Data
Former Cox Cadillac
230 Bay Place
Oakland, California

Concentration (µg/L)

Well Number	Sample Date		Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	MTBE		1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	1,1-DCA	Dissolved Lead	Ethanol
TW-6	07/25/01		<0.50	<0.50	<0.50	<0.50	<50	<5.0		--	--	--	--	--	--	--	--	--
TW-6	11/20/01		<0.50	<0.50	<0.50	<0.50	<50	<5.0		--	--	--	--	--	--	--	--	--
TW-6	01/23/02		<0.50	<0.50	<0.50	<0.50	<50	<5.0		--	--	--	--	--	--	--	--	--
TW-6	04/26/02		<0.50	<0.50	<0.50	<1.5	<50	<5.0		--	--	--	--	--	--	--	--	--
TW-6	07/25/02		0.60	<0.50	<0.50	<1	<50	<5.0		--	--	--	--	--	--	--	--	--
TW-6	10/22/02		<0.50	<0.50	<0.50	<1.0	<50	<1.0		<5.0	<5.0	<5.0	<10	<5.0	<5.0	--	--	--
TW-6	01/27/03		<0.50	<0.50	<0.50	<1.0	<50	<1.0		<5.0	<5.0	<5.0	<10	<5.0	<5.0	--	--	--
TW-6	10/22/03	b	<0.50	<0.50	<0.50	<1.0	<50	<5.0		<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-6	01/30/04		<0.50	<0.50	<0.50	<1.0	<50	<5.0		<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-7	10/14/93		48,000	15,000	3,400	16,000	100,000	--		<50	<50	--	--	--	--	--	--	--
TW-7	12/22/94		49,000	33,000	7,300	28,000	210,000	--		<1.0	--	--	--	--	--	<1.0	--	--
TW-7	03/24/95		13,000	7,000	1,500	5,600	56,000	--		<2.0	--	--	--	--	--	<2.0	<3.0	--
TW-7	06/29/95		39,000	8,100	3,000	8,300	100,000	--		<1.0	--	--	--	--	--	<1.0	3.5	--
TW-7	09/29/95		32,000	8,700	2,900	8,600	74,000	--		<1.0	--	--	--	--	--	<1.0	3.5	--
TW-7	02/23/96		22,000	8,400	2,700	6,900	50,000	--		<5.0	--	--	--	--	--	<5.0	3.8	--
TW-7	01/12/99		7,300	670	2,700	960	29,000	<100		--	--	--	--	--	--	--	--	--
TW-7	04/13/99		4,500	1,800	180	8,200	54,000	1,200		--	--	--	--	--	--	--	--	--
TW-7	07/07/99		8,000	4,500	1,200	3,500	42,000	2,200	a	--	--	--	--	--	--	--	--	--
TW-7	10/06/99		9,700	1,600	1,600	2,100	29,000	580	a	--	--	--	--	--	--	--	--	--
TW-7	01/11/00		8,500	7,100	1,600	6,700	52,000	2,600	a	--	--	--	--	--	--	--	--	--
TW-7	04/06/01		4,800	1,800	2,200	3,400	22,000	690	a	--	--	--	--	--	--	--	--	--
TW-7	07/25/01		5,100	660	1,400	2,100	20,000	1,100	a	--	--	--	--	--	--	--	--	--
TW-7	11/20/01		6,400	1,100	1,000	2,400	26,000	1,600		--	--	--	--	--	--	--	--	--
TW-7	01/23/02		5,100	510	2,200	3,900	25,000	1,200		--	--	--	--	--	--	--	--	--
TW-7	04/26/02		4,400	1,300	2,900	2,370	29,000	1,600		--	--	--	--	--	--	--	--	--
TW-7	07/25/02		4,900	470	1,600	1,700	21,000	1,900		--	--	--	--	--	--	--	--	--
TW-7	10/22/02		6,700	410	1,100	1,500	31,000	1,700	a	<100	<100	<100	<200	<100	<100	--	--	--
TW-7	01/27/03		2,700	710	1,900	1,100	17,000	680		<100	<100	<100	<200	<100	<100	--	--	--
TW-7	10/22/03	b	2,900	130	310	370	13,000	660		<13	<13	<13	<130	<25	<13	--	--	<630
TW-7	01/30/04		2,500	520	1,900	550	16,000	300		<25	<25	<25	<250	<50	<25	--	--	<1,300

Table 2
Groundwater Analytical Data
Former Cox Cadillac
230 Bay Place
Oakland, California

Concentration (µg/L)

Well Number	Sample Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	MTBE	1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	1,1-DCA	Dissolved Lead	Ethanol

Notes:

TPHg - Total Petroleum Hydrocarbons as gasoline
MTBE - Methyl tertiary butyl ether
DCA - Dichloroethane
EDB - Ethylene dibromide
TAME - Tertiary amyl methyl ether
TBA - Tertiary butyl alcohol
DIPE - Di-isopropyl ether
ETBE - Ethyl tertiary butyl ether
µg/L = Micrograms per liter.
< = Not detected at or above indicated laboratory reporting limit.
-- = Not Analyzed
a = MTBE Confirmation by EPA Method 8260B.
b = Samples were analyzed by EPA Method 8260B.
g = hydrocarbon reported in gasoline range does not match our gasoline standard.

TABLE 3
Grab Groundwater Analytical Data
(ETIC November 2003)
Former Cox Cadillac Site
230 Bay Place Oakland, CA

Sample Number	Sample Date	Sample Depth (feet)	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	Ethanol
GP1	11/25/2003	10	**7,500**	**300**	**470**	<1.0	**420**	**5,800**	NA	NA	<1.0	<10	<1.0	<1.0	NA
GP2A	11/26/2003	10	**32,000**	**3,100**	**84**	**1,300**	<100	**7,300**	<50	<50	<50	<500	<100	<50	NA
GP6	11/26/2003	15	**67,000**	**9,500**	**5,700**	**1,800**	**6,100**	<100	**180**	**150**	<100	<1,000	<200	<100	NA
GP7	11/26/2003	13	<50	**4.0**	**0.70**	<0.50	<0.50	<0.50	**0.73**	<0.50	<0.50	<5.0	<1.0	<0.50	NA
GP8	11/26/2003	15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	NA
GP9	11/26/2003	14	<50	<0.50	**0.55**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	NA
UB1	10/10/2003	10	<50	<0.50	**1.5**	<0.50	**2.0**	**0.84**	<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	<25
UB2	10/10/2003	10	**14,000**	<5.0	<5.0	<5.0	<5.0	**37**	<5.0	<5.0	<5.0	<50	<10	<5.0	<250

Notes:

Bold denotes detection above laboratory detection limit.
All analtyical values reported in micrograms per liter.
TPHg - Total Petroleum Hydrocarbons as gasoline
MTBE - Methyl tert-butyl ether
DCA - Dichloroethane
EDB - Ethylene dibromide
TAME - Tert-amyl methyl ether
TBA - Tert-butyl alcohol
DIPE - Di-isopropyl ether
ETBE - Ethyl tert-butyl ether
< = Not detected at or above indicated laboratory reporting limit.
NA = Not Analyzed

TABLE 4
Grab Groundwater Analytical Data
(LFR - March 2004)
Former Cox Cadillac Site
230 Bay Place Oakland, CA

DTW ?

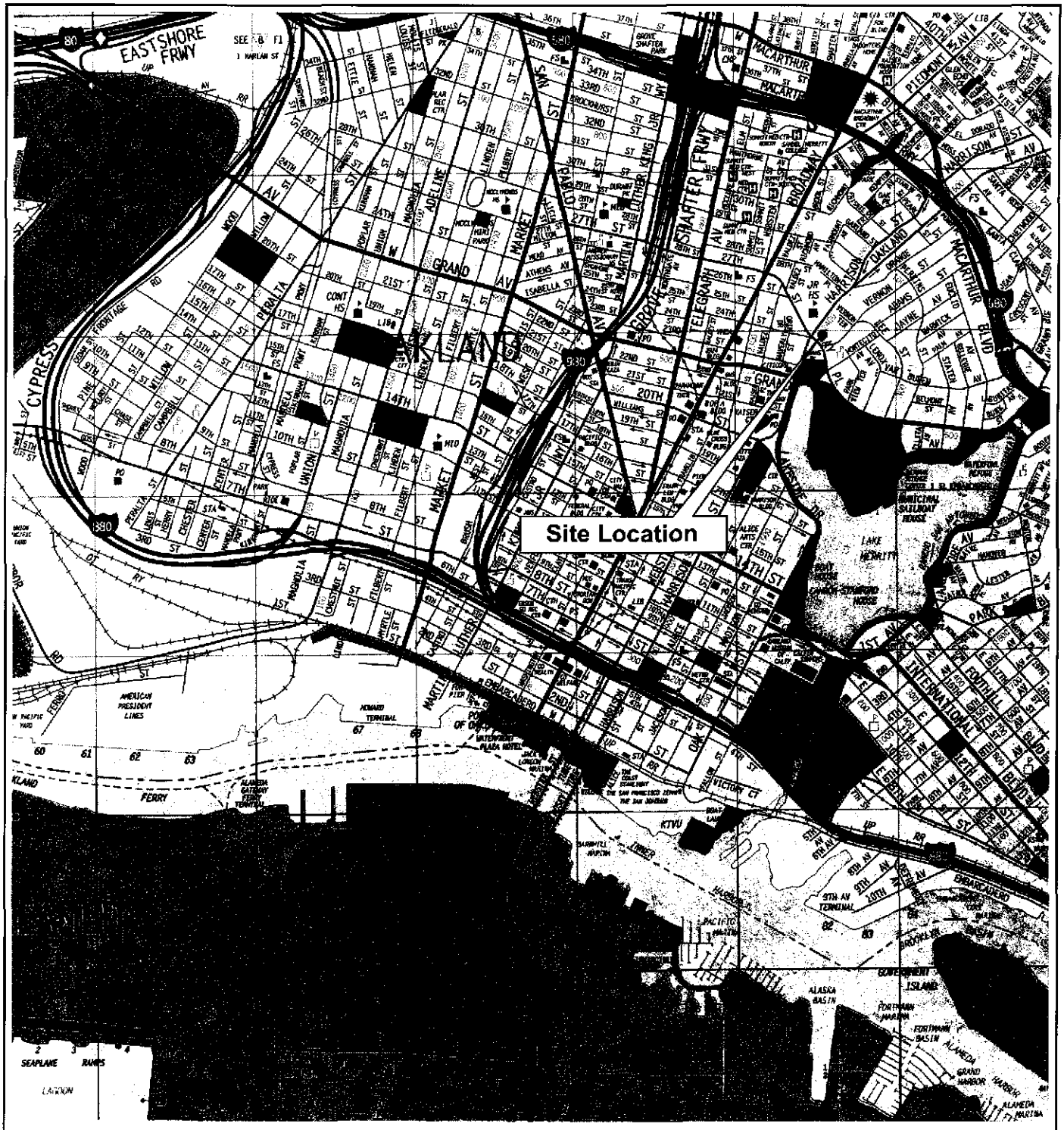
Expressed in micrograms per liter (µg/l)

Sample Number	Sample Date	TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
GW-1	3/15/2004	ND	**260**	ND	ND	ND	ND	ND
GW-2	3/15/2004	**970,000**	NA	**23,000**	**33,000 C**	22,000	**79,000**	ND
GW-3	3/15/2004	**970**	**3,800**	**48**	**93**	**42**	**90.7**	ND
GW-4	3/15/2004	ND	**310**	ND	ND	ND	ND	ND
GW-5	3/15/2004	ND	**640**	ND	ND	ND	ND	**21**
GW-6	3/15/2004	ND	**600**	ND	ND	ND	ND	**29**
GW-6D	3/15/2004	ND	**970**	ND	ND	ND	ND	**55**
GW-8	3/15/2004	ND	**350,000**	ND	ND	ND	ND	**1.1**
GW-7	3/22/2004	ND	**680**	ND	ND	1	ND	**ND**

Notes:

Bold denotes detection above laboratory detection limit.

C = Presence confirmed, but Relative Percent Difference between columns exceeds 40%.
MTBE = Methyl tertiary-butyl ether
NA = Not analyzed
ND = Not detected
TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel



0 1/2 1 MILE

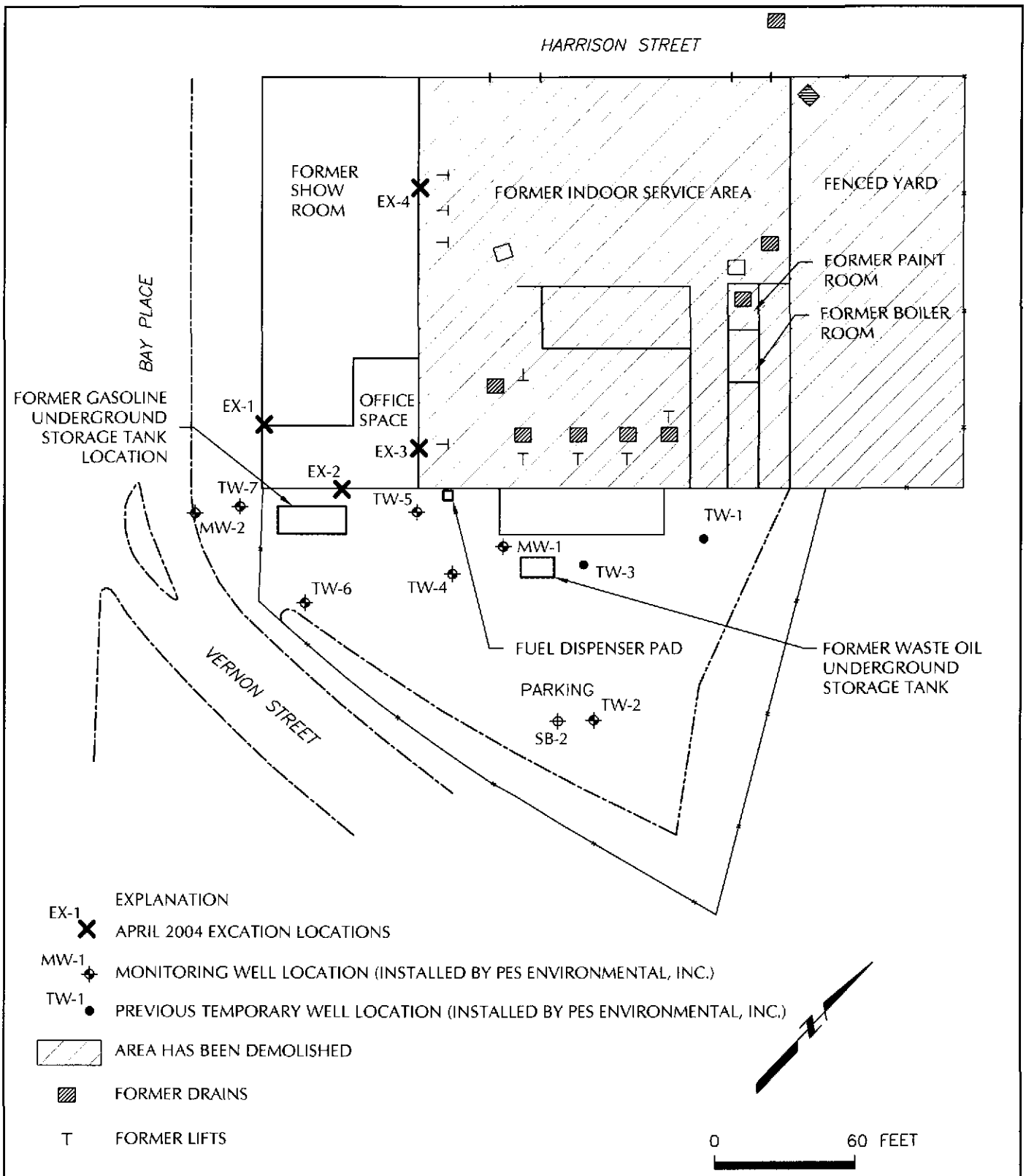
DESIGN\001\09171\SiteVicinity.CDR 091803

Site Vicinity Map

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 1



NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE

Site Plan

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 2

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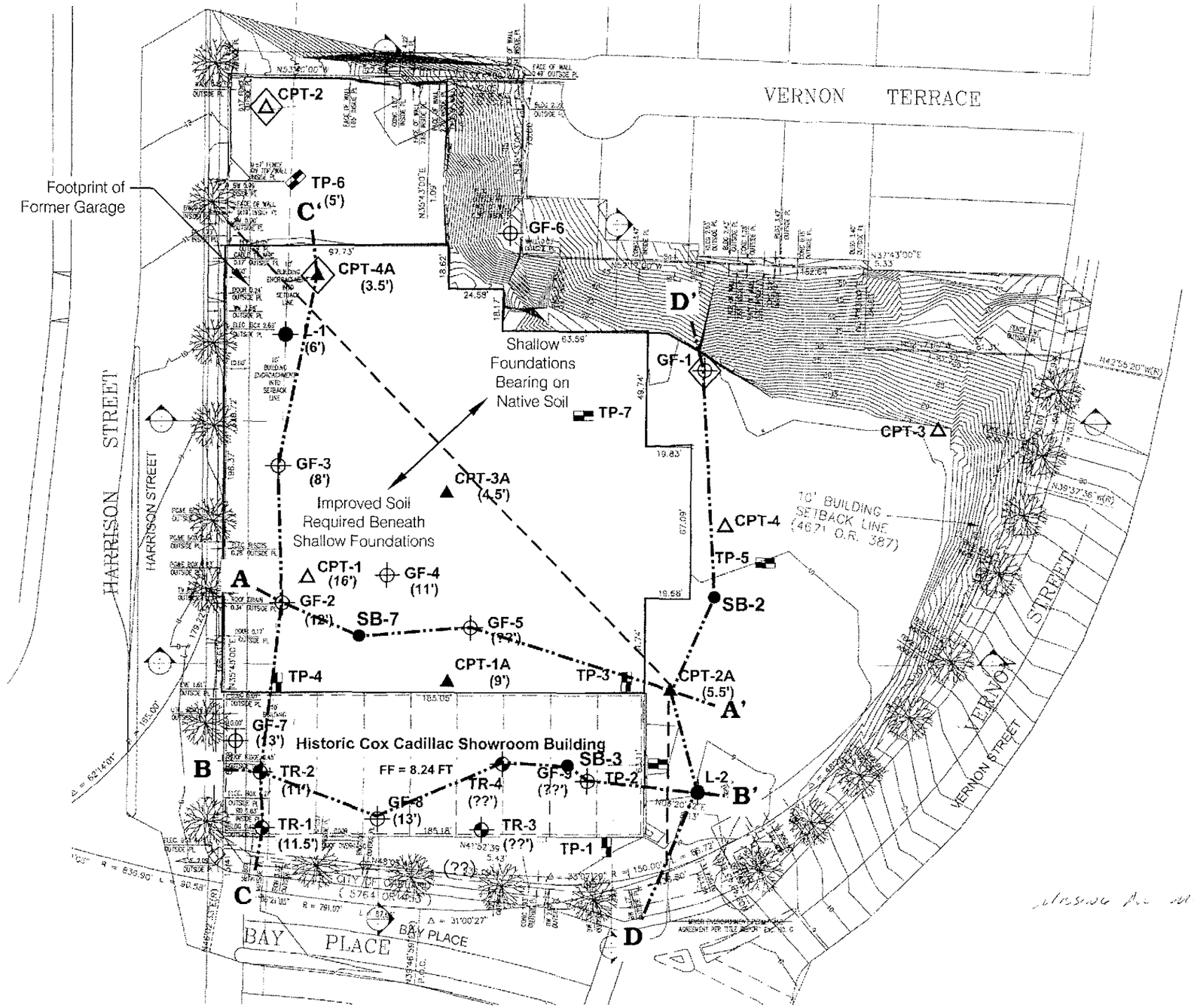


EXPLANATION

- D ---·---·--- D' Cross section location
- SB-3 ● Approximate location of LFR boring (April 2004)
- CPT-1A ▲ Approximate location of cone penetration test by Treadwell & Rollo, Inc., February 2004
- TR-1 ⊕ Approximate location of boring by Treadwell & Rollo, Inc., May 2004
- TP-1 ▬ Approximate location of test pit excavated by others and logged by Treadwell & Rollo, Inc., April 2004
- L-1 ⊕ Approximate location of boring by Lowney Associates, July 2000
- CPT-1 △ Approximate location of cone penetration test by Lowney Associates, July 2000
- GF-1 ⊕ Approximate location of boring by Geoforensics, Inc., April 2001
- 10 Approximate ground surface elevation contours, feet
- ◇ Indicates groundwater rose to ground surface
- (16') Approximate depth to bottom of weak native soil at location

Note: Finished floor elevation and elevation contours are referenced to City of Oakland datum.

0 50 FEET

SOURCE: TREADWELL&ROLLO GEOTECHNICAL INVESTIGATION COX CADILLAC SITE DEVELOPMENT - FIGURE 2, JULY 2004

DESIGN:\001\09171/Cross Section Location map.CDR

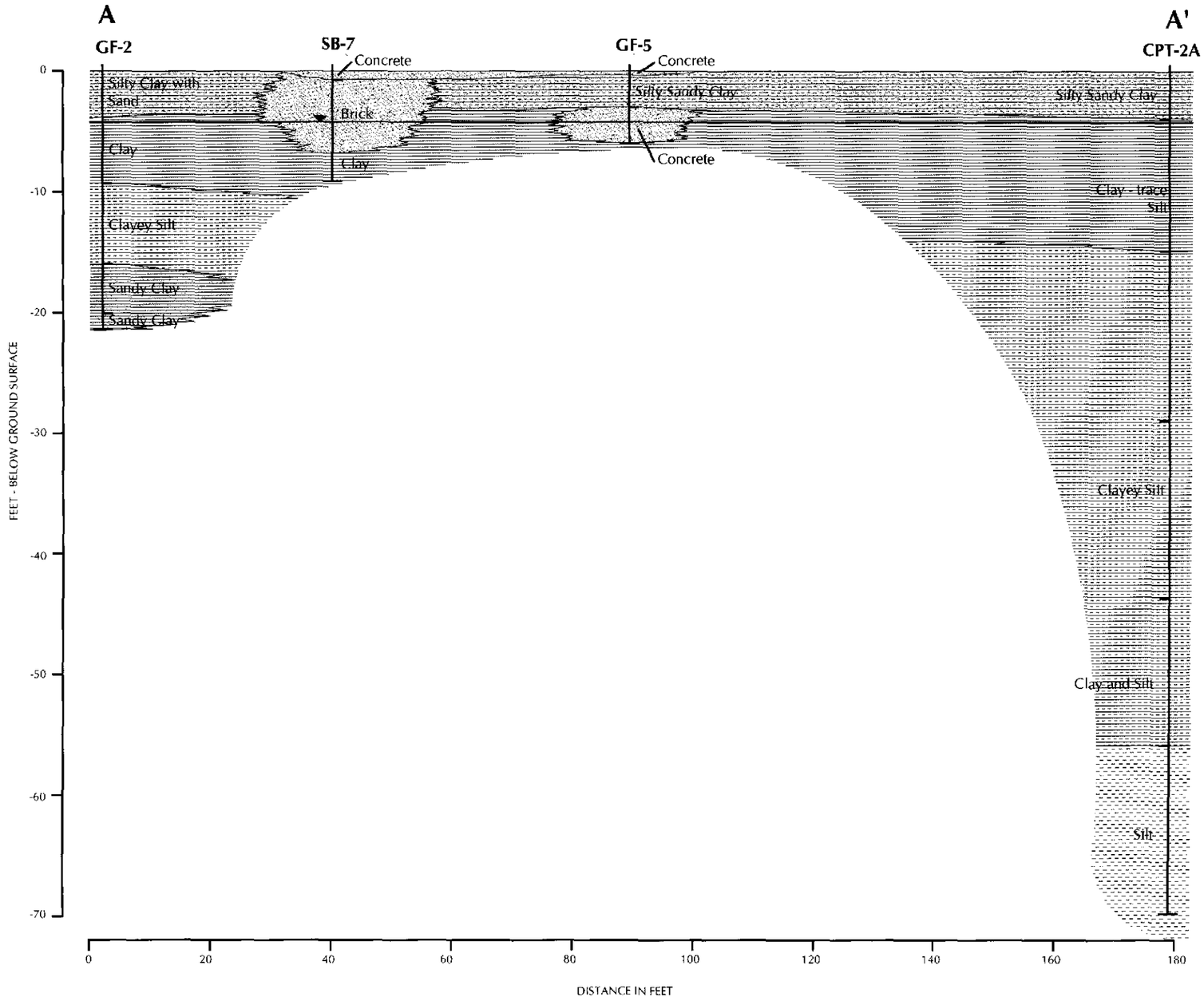
Cross Section Location Map

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 3

Northwest **Southeast**



EXPLANATION

- CLAY
- SILT
- SAND
- CONCRETE, BRICK, RUBBLE
- GROUNDWATER LEVEL ENCOUNTERED DURING DRILLING

10 FEET
0
0 20 FEET
VERTICAL EXAGGERATION = 2X

Northwest - Southeast
Cross Section A-A'

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 4

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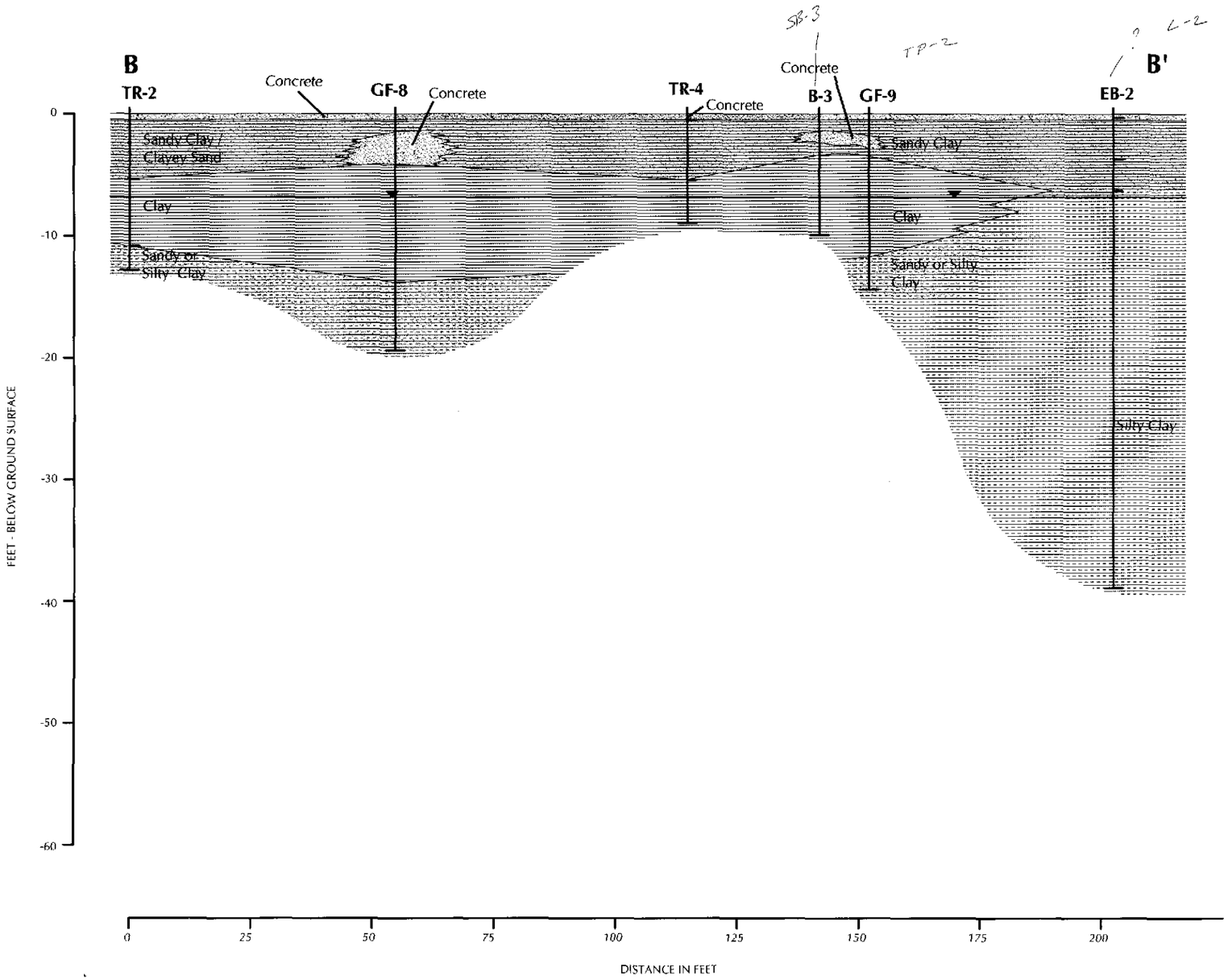
Northwest

Southeast



EXPLANATION

- CLAY
- SILT
- SAND
- CONCRETE, BRICK, RUBBLE
- GROUNDWATER LEVEL ENCOUNTERED DURING DRILLING

10 FEET

0

0 25 FEET

VERTICAL EXAGGERATION = 2X

Northwest - Southeast
Cross Section B-B'

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 5

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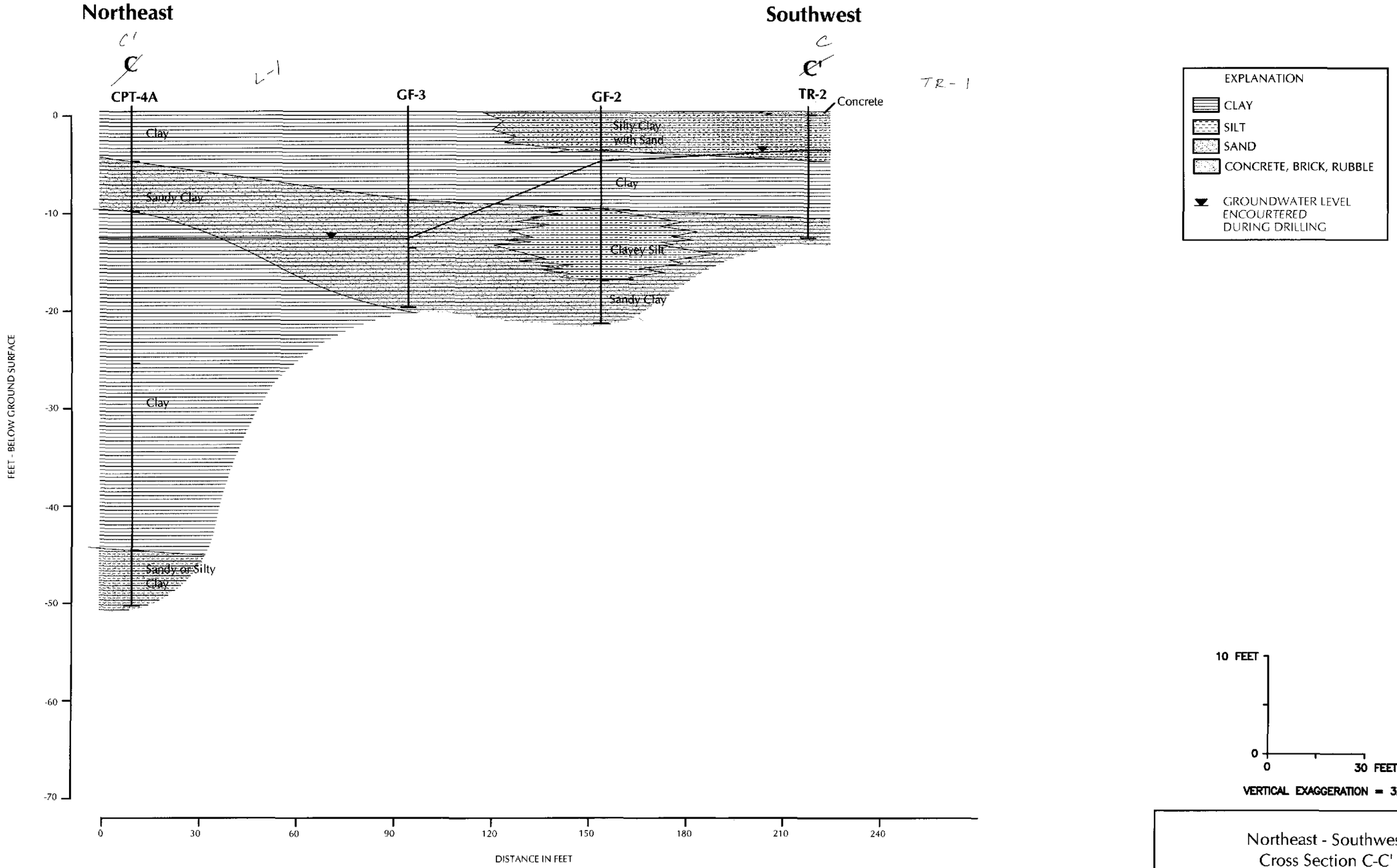

Northeast - Southwest
Cross Section C-C'

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 6

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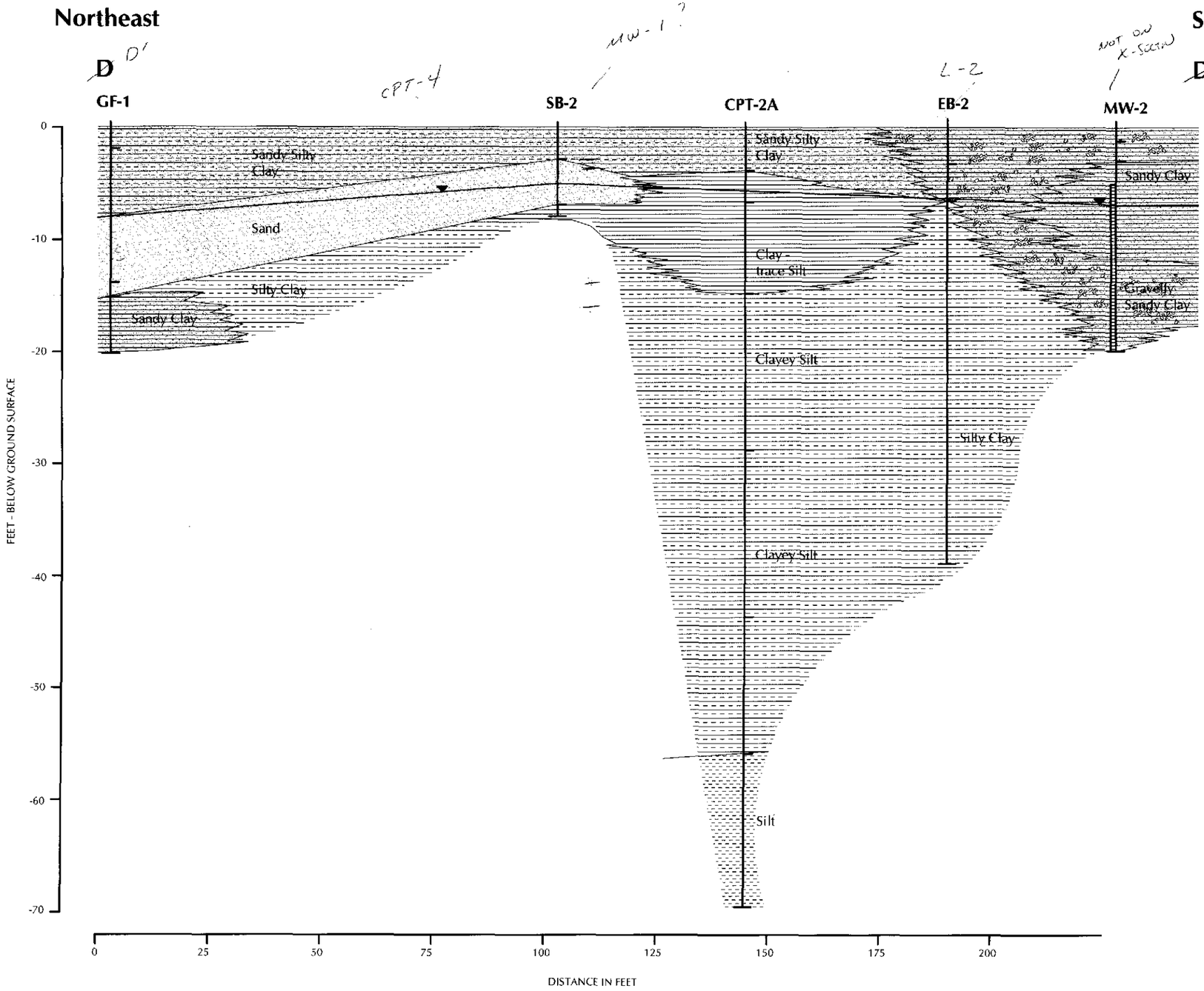
Northeast

Southwest



EXPLANATION

- CLAY
- SILT
- SAND
- GRAVEL
- MONITORING WELL SCREENED INTERVAL
- GROUNDWATER LEVEL ENCOUNTERED DURING DRILLING

10 FEET

0

0 25 FEET

VERTICAL EXAGGERATION = 2.5X

Northeast - Southwest
Cross Section D-D'

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 7

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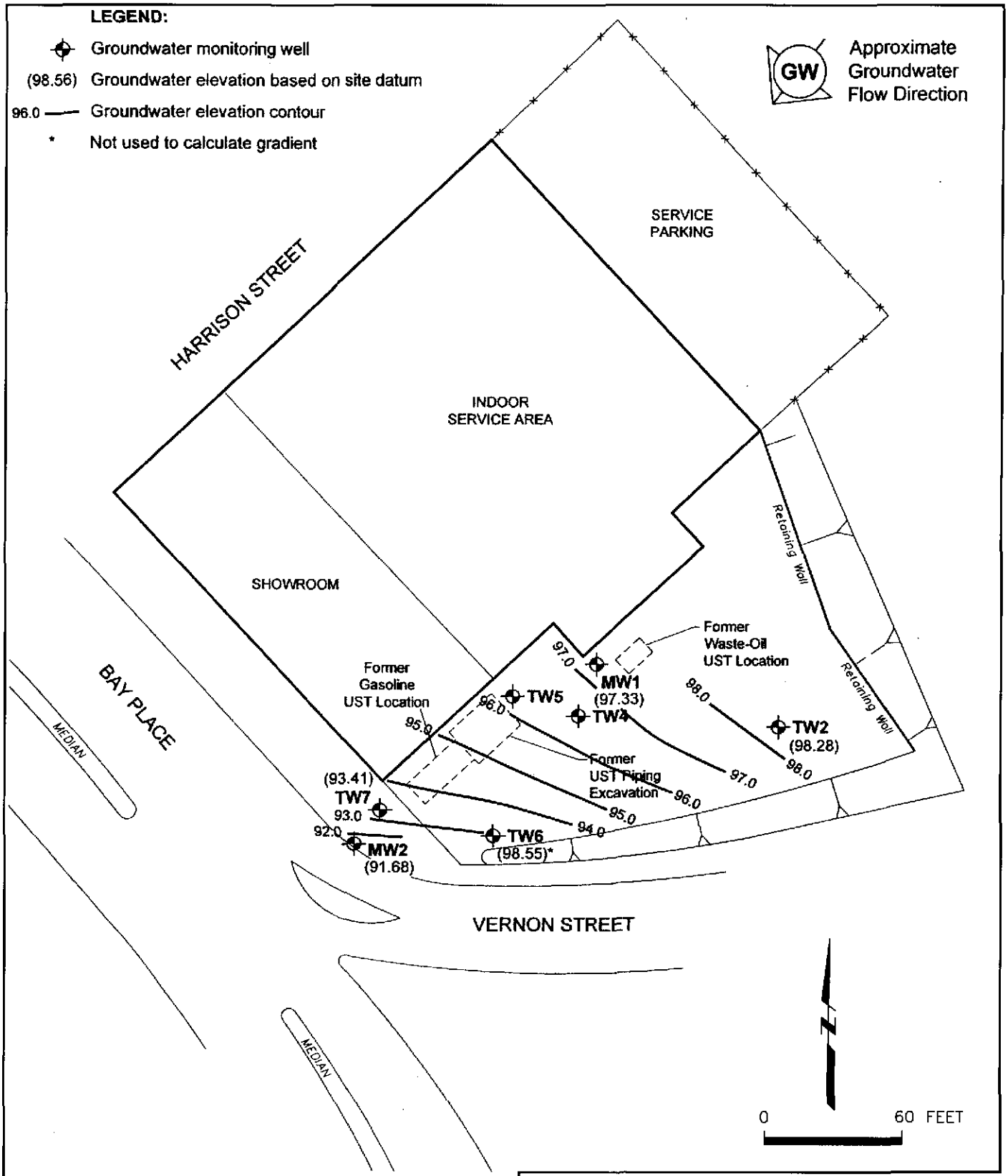

NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE

SOURCE: ETIC, 2004

Groundwater Elevation Data
January 2004

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE·FRICKE

Figure 8

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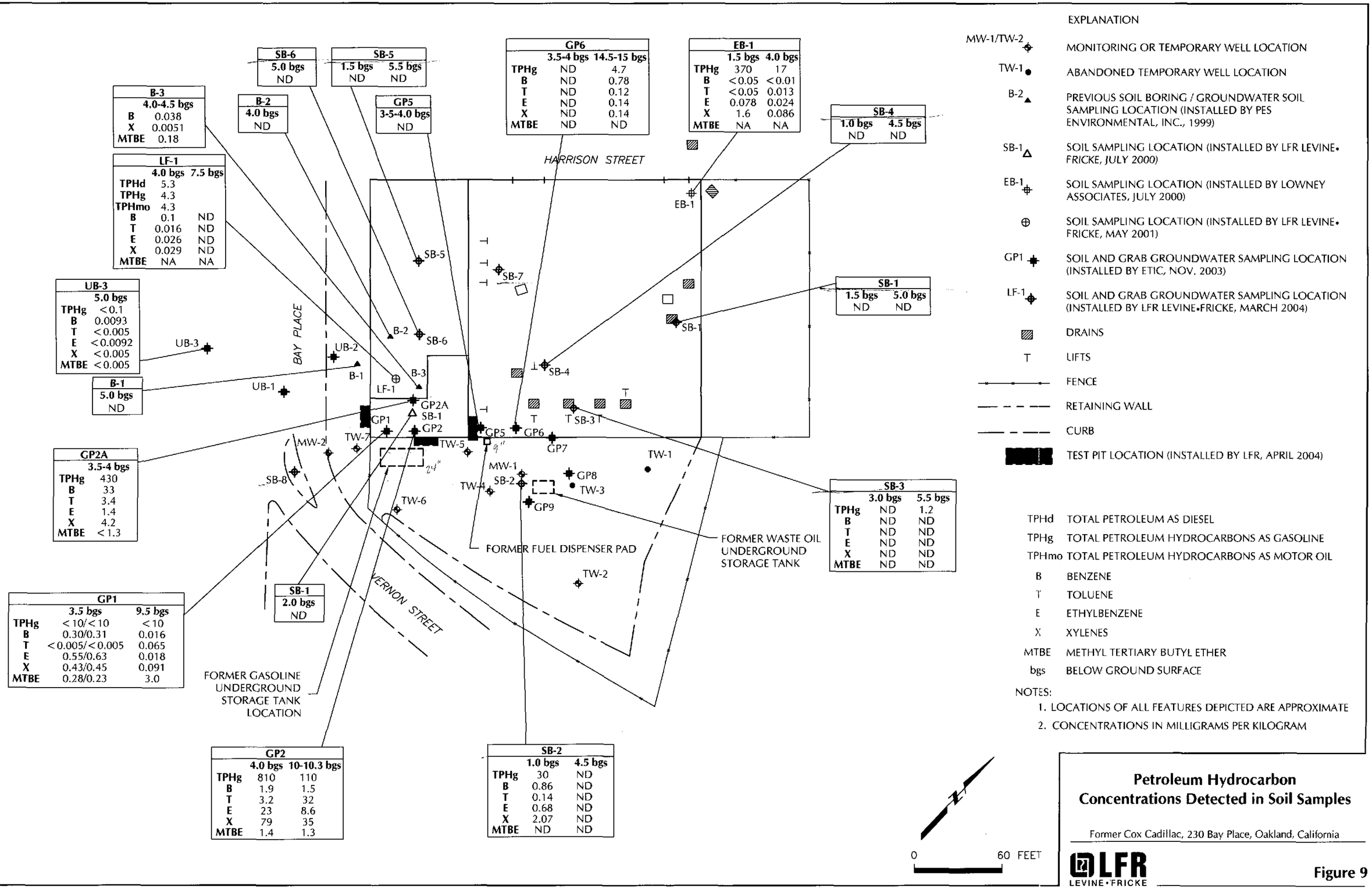


EXPLANATION

- MW-1/TW-2 — MONITORING OR TEMPORARY WELL LOCATION
- TW-1 — ABANDONED TEMPORARY WELL LOCATION
- B-2 — PREVIOUS SOIL BORING / GROUNDWATER SOIL SAMPLING LOCATION (INSTALLED BY PES ENVIRONMENTAL, INC., 1999)
- SB-1 — SOIL SAMPLING LOCATION (INSTALLED BY LFR LEVINE•FRICKE, JULY 2000)
- EB-1 — SOIL SAMPLING LOCATION (INSTALLED BY LOWNEY ASSOCIATES, JULY 2000)
- SOIL SAMPLING LOCATION (INSTALLED BY LFR LEVINE•FRICKE, MAY 2001)
- GP1 — SOIL AND GRAB GROUNDWATER SAMPLING LOCATION (INSTALLED BY ETIC, NOV. 2003)
- LF-1 — SOIL AND GRAB GROUNDWATER SAMPLING LOCATION (INSTALLED BY LFR LEVINE•FRICKE, MARCH 2004)
- DRAINS
- T — LIFTS
- FENCE
- RETAINING WALL
- CURB
- TEST PIT LOCATION (INSTALLED BY LFR, APRIL 2004)

TPHd TOTAL PETROLEUM AS DIESEL
TPHg TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPHmo TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
B BENZENE
T TOLUENE
E ETHYLBENZENE
X XYLENES
MTBE METHYL TERTIARY BUTYL ETHER
bgs BELOW GROUND SURFACE

NOTES:
1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM

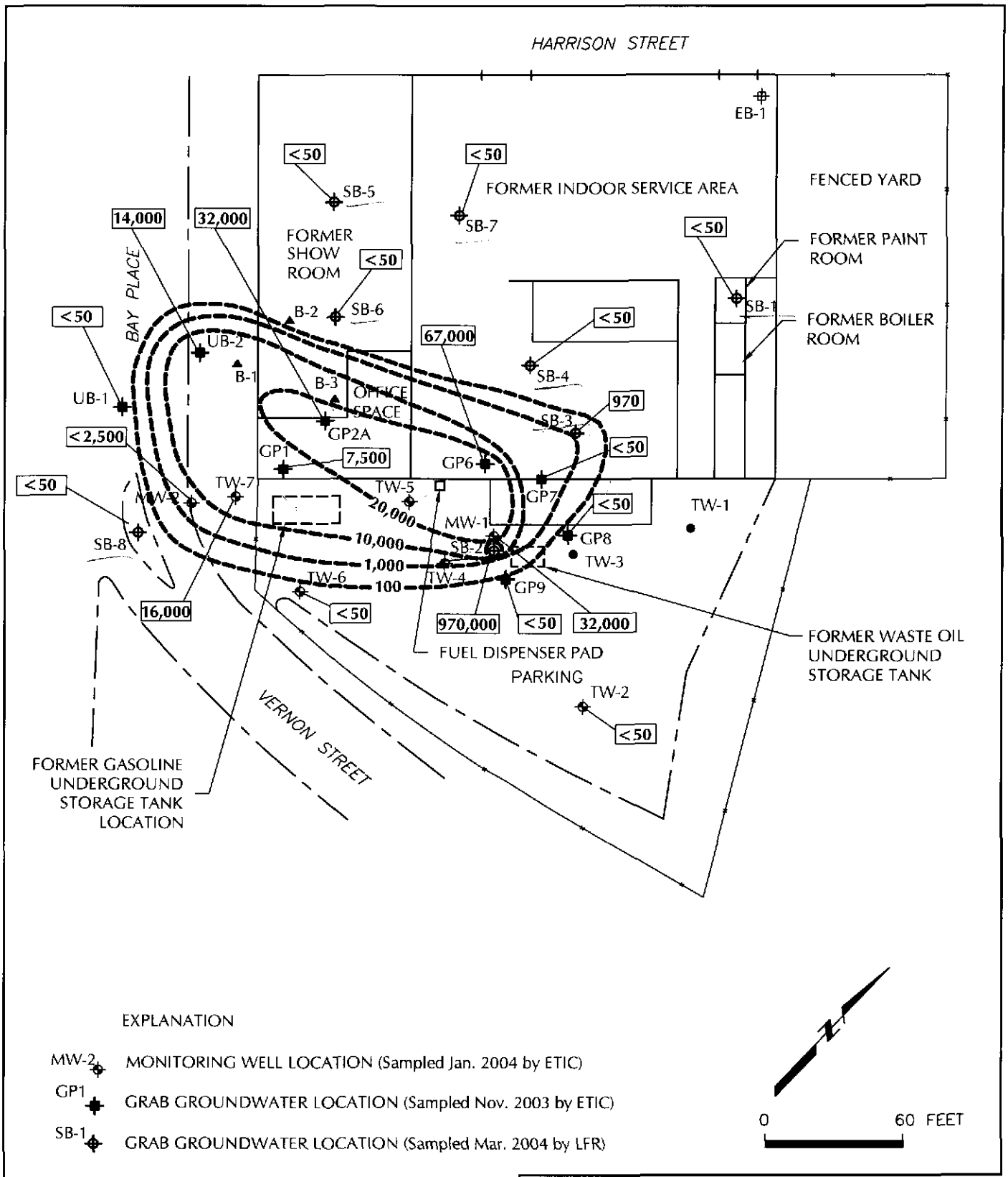
Petroleum Hydrocarbon Concentrations Detected in Soil Samples

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 9

I:\Design\0011091.7104Q000\DWG\Concentrations in Soil.dwg, Concentrations in soil, 08/02/2004 06:22:32 PM



NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MICROGRAMS PER LITER

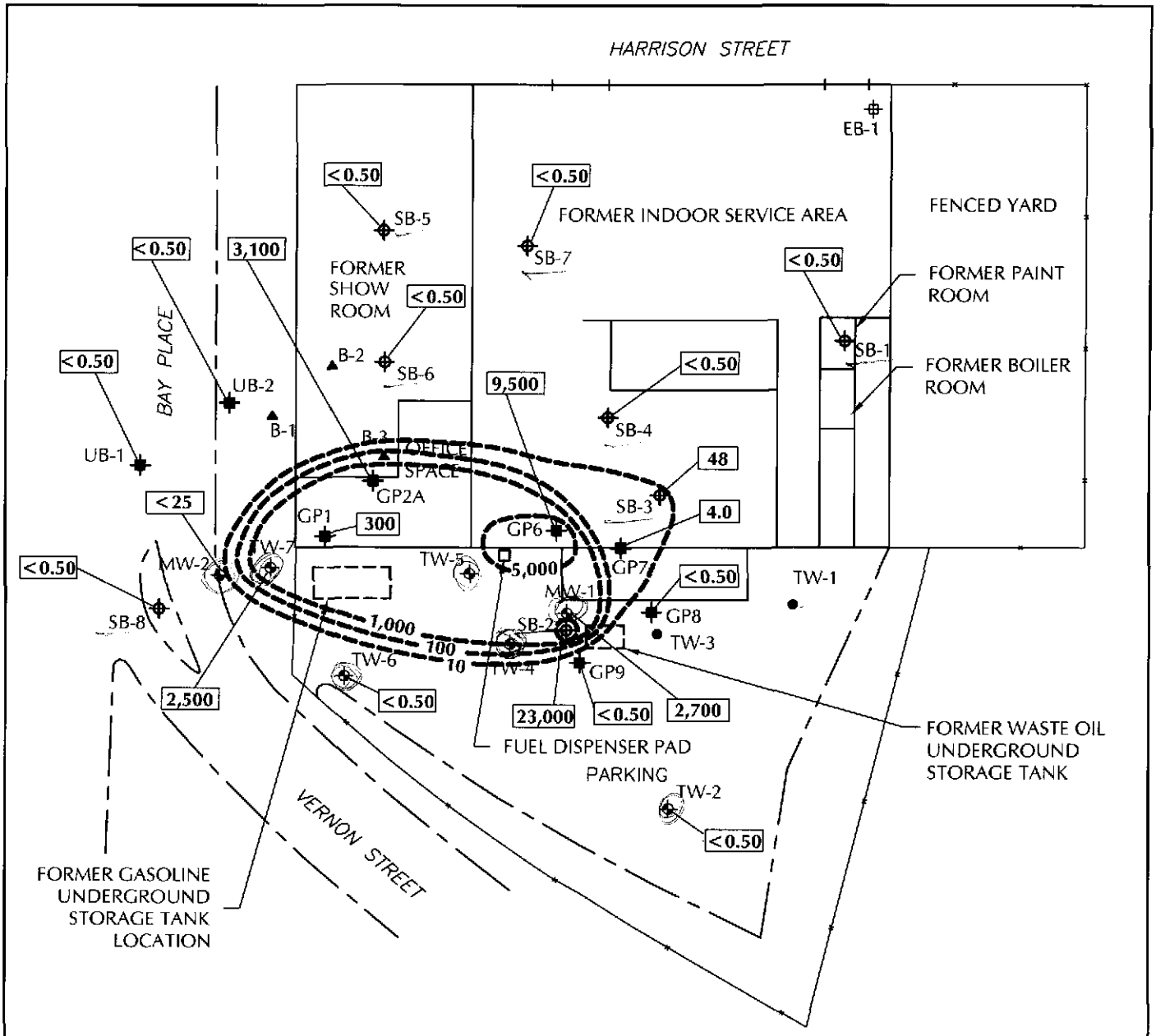
Total Petroleum Hydrocarbons as Gasoline Isoconcentration Contours

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 10

I:\Design\00110917104000\DWG\TPH as Gas.dwg, TPH ISOconcentration Contours, 08/02/2004 05:48:27 PM



NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MICROGRAMS PER LITER

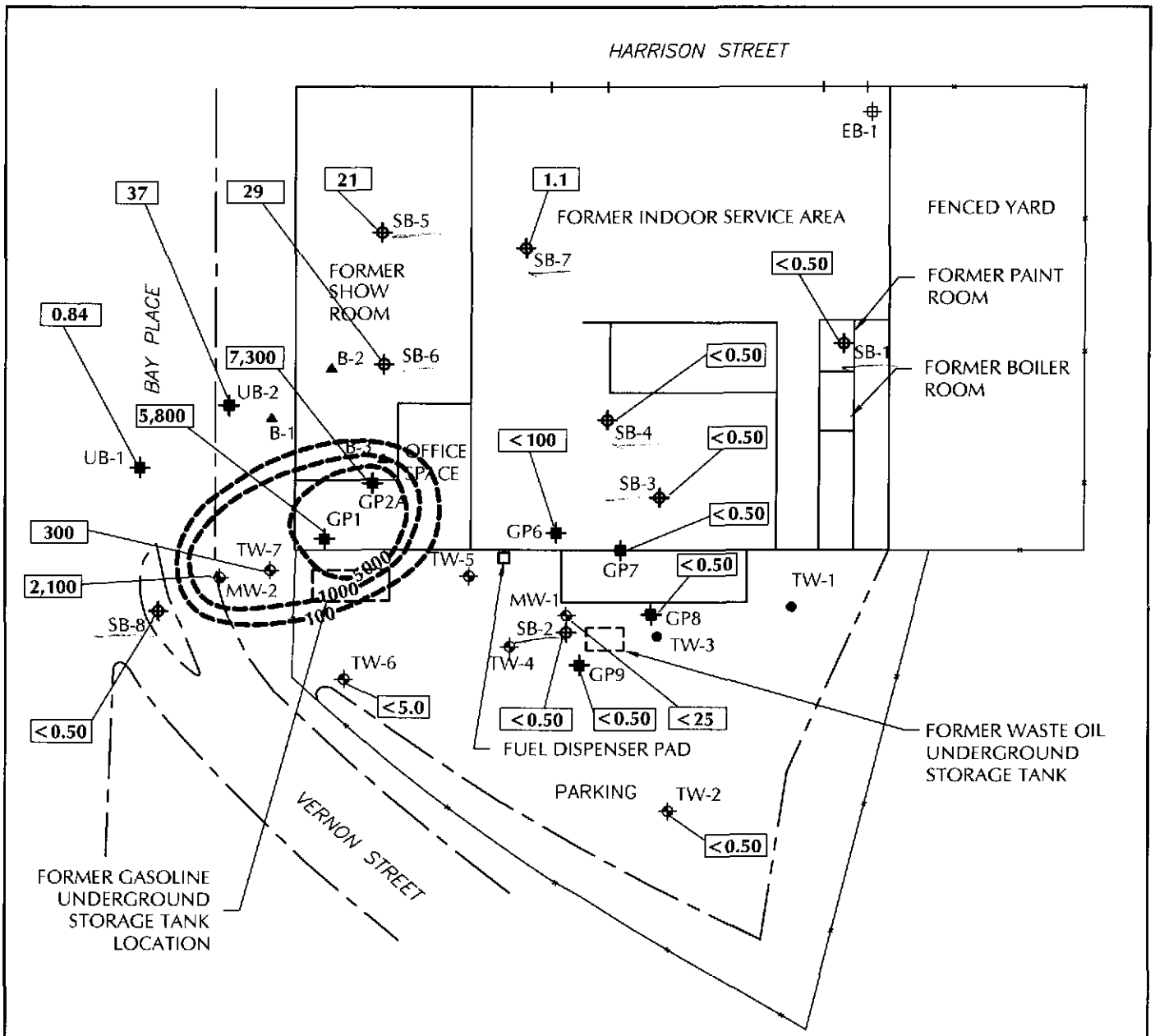
Benzene Isoconcentration Contours

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 11

I:\Design\001\091710\4000\DWG\BENZENE.dwg, Benzene ISOconcentration Contours, 08/02/2004 05:50:00 PM



NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE
2. CONCENTRATIONS IN MICROGRAMS PER LITER

Methyl Tertiary Butyl Ether Isoconcentration Contours

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE·FRICKE

Figure 12

I:\Design\0017\0917\10\4000\DWG\mtbe.dwg, MTBE, 08/02/2004 05:50:58 PM

APPENDIX A

LFR Levine·Fricke Lithologic Logs

LITHOLOGY			SAMPLE DATA	
Depth, feet	Graphic Log	Description	Sample No. and Interval	Percent Recovery
		CONCRETE		
		CLAYEY SILT (CL), brown (10YR 4/3), brown, damp, medium stiff, low plasticity.		4.8
		SAND (SP), olive brown (2.5Y 4/3), olive brown, wet, loose, subrounded, poorly graded, mottled.		
5 ▼			5	2.5
		CLAY (CL), very dark grayish brown (2.5Y 3/2), damp, stiff, medium to high plasticity.		
		CLAYEY SAND (CL), olive brown (2.5Y 4/3), olive brown, damp, loose, subrounded, poorly graded.		0.1
10			10	
		BOTTOM OF BORING AT 12 FEET.		3.2
15			15	
20			20	
25			25	
30			30	

Date Well Drilled: 3/15/04
Drilling Company: Gregg Drill
Driller: Don
Sampling Method: Direct Push
LFR Geologist: TGR

EXPLANATION

- Clay
- Silt
- Sand
- Gravel
- interval sample
- Soil sample
- ▼ Depth first water was encountered in borehole

Approved by:

CONSTRUCTION AND LITHOLOGY FOR WELL SB-1 *(page 1 of 1)*

LFR LEVINE•FRICKE

Former Cox Cadillac, 230 Bay Place
Oakland, California

09171-Boring Log SB-1.CDR 080304

Depth, feet	Graphic Log	Description	Sample No. and Interval	Percent Recovery
		LITHOLOGY	**SAMPLE DATA**	
		CLAYEY SILT (CL), brown (10YR 4/3), brown, damp, medium stiff, low to medium plasticity.		10.9
5 ▼		SAND (SP), olive brown (2.5Y 4/4), olive brown, wet, subangular to subrounded, poorly graded.	5	25.9
		CLAY (CL), dark yellowish brown (10YR 3/6), dark yellowish brown, damp, stiff, medium plasticity.		113
		BOTTOM OF BORING AT 8 FEET.		56.3
10			10	
15			15	
20			20	
25			25	
30			30	

Date Well Drilled: 3/15/04
Drilling Company: Gregg Drill
Driller: Don
Sampling Method: Direct Push
LFR Geologist: TGR

EXPLANATION

- Clay
- Silt
- Sand
- Gravel
- Interval sample
- Soil sample
- ▼ Depth first water was encountered in borehole

Approved by:

CONSTRUCTION AND LITHOLOGY FOR WELL SB-2 *(page 1 of 1)*

LFR LEVINE•FRICKE

Former Cox Cadillac, 230 Bay Place
Oakland, California

09171-Boring Log SB-2.CDR 080304

Depth, feet	Graphic Log	Description	Sample No. and Interval	Percent Recovery
		LITHOLOGY		**SAMPLE DATA**
		CONCRETE		
		SAND (SP), dark olive gray (5Y 3/2), damp, loose, brick, rock.		5.5
				12.2
5 ▼			5	
				0.2
		CLAYEY SAND (SC), light olive brown, wet, medium dense, poorly graded, 55% sand, 45% clay.		
10		BOTTOM OF BORING AT 9 FEET.	10	
15			15	
20			20	
25			25	
30			30	

Date Well Drilled: 3/15/04
Drilling Company: Gregg Drill
Driller: Don
Sampling Method: Direct Push
LFR Geologist: TGR

EXPLANATION

- Clay
- Silt
- Sand
- Gravel
- Interval sample
- Soil sample
- ▼ Depth first water was encountered in borehole

Approved by:

CONSTRUCTION AND LITHOLOGY FOR WELL SB-3 *(page 1 of 1)*

LFR LEVINE • FRICKE

Former Cox Cadillac, 230 Bay Place
Oakland, California

09171-Boring Log SB-3.CDR 080304

Depth, feet	Graphic Log	Description	Sample No. and Interval	Percent Recovery
		LITHOLOGY		**SAMPLE DATA**
		SILTY CLAY (CL), brown (10YR 4/3), damp, medium stiff, medium plasticity.		8.8
		SAND (SP), olive brown (2.5Y 4/3), wet, loose, subrounded to subangular, poorly graded.		
5 ▼			5	2.1
		SILTY CLAY (CL), brown (10YR 4/3), brown, damp, medium stiff, medium plasticity. Hit refusal. BOTTOM OF BORING AT 6 FEET.		
10			10	
15			15	
20			20	
25			25	
30			30	

Date Well Drilled: 3/15/04
Drilling Company: Gregg Drill
Driller: Don
Sampling Method: Direct Push
LFR Geologist: TGR

EXPLANATION

- Clay
- Silt
- Sand
- Gravel
- Interval sample
- Soil sample
- ▼ Depth first water was encountered in borehole

Approved by:

CONSTRUCTION AND LITHOLOGY FOR WELL SB-4 *(page 1 of 1)*

LFR LEVINE • FRICKE

Former Cox Cadillac, 230 Bay Place
Oakland, California

09171-Boring Log SB-4.CDR 080304

Depth, feet	Graphic Log	Description	Sample No. and Interval	Percent Recovery
		LITHOLOGY		**SAMPLE DATA**
		BRICK, CONCRETE SAND (SP), dark yellowish brown (10YR 4/6), damp, very loose, subrounded to subangular, poorly graded.		1.9 2.1
5 ▼			5	0.1
		CLAY (CL), dark olive gray (5Y 3/2), wet, medium stiff, high plasticity.		
		BOTTOM OF BORING AT 9 FEET.		
10			10	
15			15	
20			20	
25			25	
30			30	

Date Well Drilled: 3/15/04
Drilling Company: Gregg Drill
Driller: Don
Sampling Method: Direct Push
LFR Geologist: TGR

EXPLANATION

- Clay
- Silt
- Sand
- Gravel
- Interval sample
- Soil sample
- ▼ Depth first water was encountered in borehole

Approved by:

CONSTRUCTION AND LITHOLOGY FOR WELL SB-5 *(page 1 of 1)*

LFR LEVINE•FRICKE

Former Cox Cadillac, 230 Bay Place
Oakland, California

09171-Boring Log SB-5.CDR 080304

Depth, feet	Graphic Log	Description	Sample No. and Interval	Percent Recovery
		LITHOLOGY		**SAMPLE DATA**
		BRICK, CONCRETE SILT from cuttings (no sample).		0.2
		CONCRETE (used auger).		
5		SILTY SAND (SP), dark grayish brown (2.5Y 4/2), wet, loose, subrounded, moderately graded.	5	1.8
				0.1
10		BOTTOM OF BORING AT 9 FEET.	10	
15			15	
20			20	
25			25	
30			30	

Date Well Drilled: 3/15/04
Drilling Company: Gregg Drill
Driller: Don
Sampling Method: Direct Push
LFR Geologist: TGR

EXPLANATION

- Clay
- Silt
- Sand
- Gravel
- Interval sample
- Soil sample
- ▼ Depth first water was encountered in borehole

Approved by:

CONSTRUCTION AND LITHOLOGY FOR WELL SB-6 *(page 1 of 1)*

LFR LEVINE • FRICKE

Former Cox Cadillac, 230 Bay Place
Oakland, California

09171-Boring Log SB-6.CDR 080304

Depth, feet	Graphic Log	Description	Sample No. and Interval	Percent Recovery
		LITHOLOGY		**SAMPLE DATA**
		CONCRETE BRICK, loose (no sample) (Augered)		1.2
5				
		CLAY (CL), dark grayish brown (2,.5Y 4/2), dark grayish brown, wet, medium stiff, high plasticity		4.9
		BOTTOM OF BORING AT 8.5 FEET.		
10				
15				
20				
25				
30				

Date Well Drilled: 3/15/04
Drilling Company: Gregg Drill
Driller: Don
Sampling Method: Direct Push
LFR Geologist: TGR

EXPLANATION

- Clay
- Silt
- Sand
- Gravel
- Interval sample
- Soil sample
- Depth first water was encountered in borehole

Approved by:

CONSTRUCTION AND LITHOLOGY FOR WELL SB-7 *(page 1 of 1)*

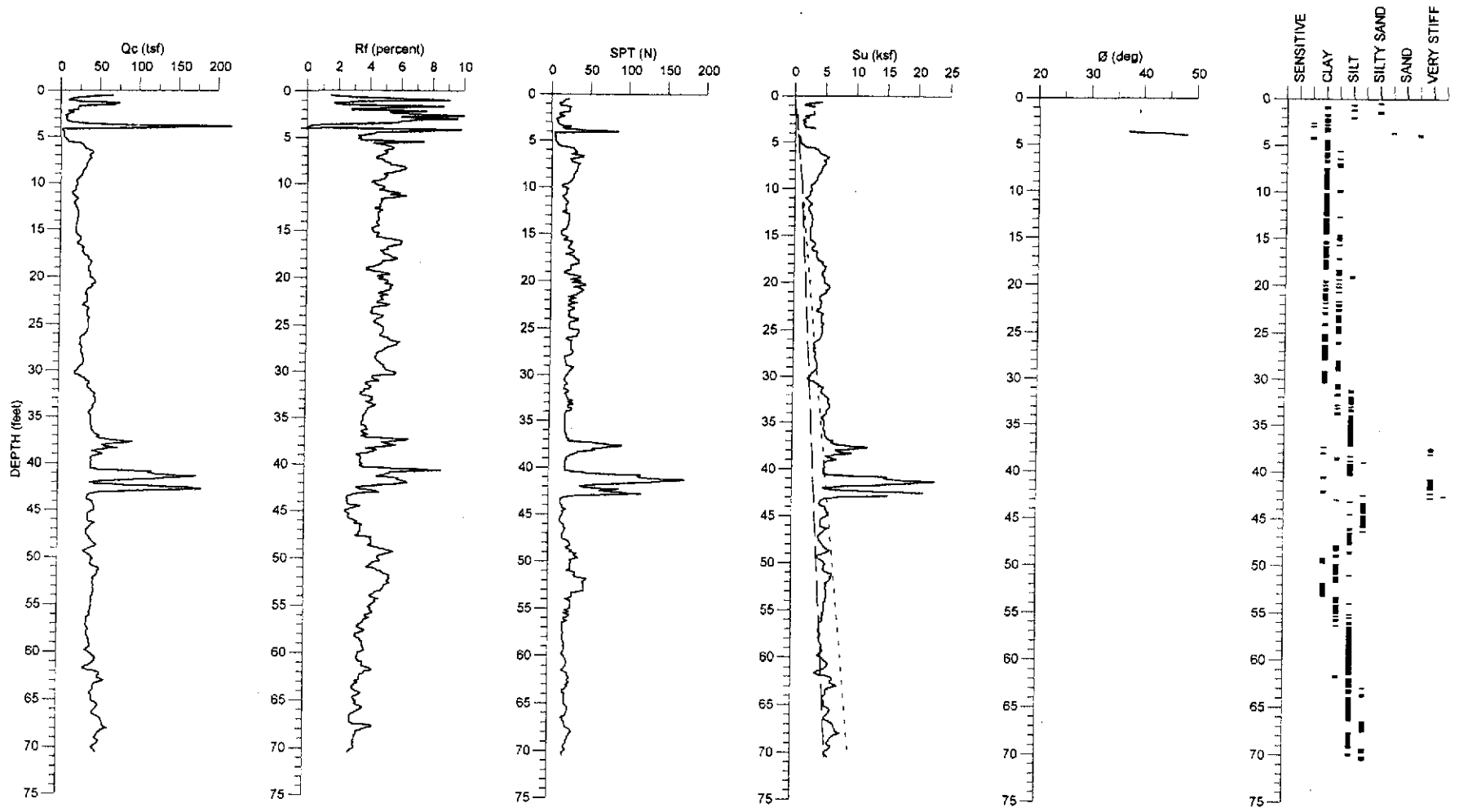
LFR LEVINE • FRICKE

Former Cox Cadillac, 230 Bay Place
Oakland, California

09171-Boring Log SB-7.CDR 080304

APPENDIX B

Others' Lithologic Logs



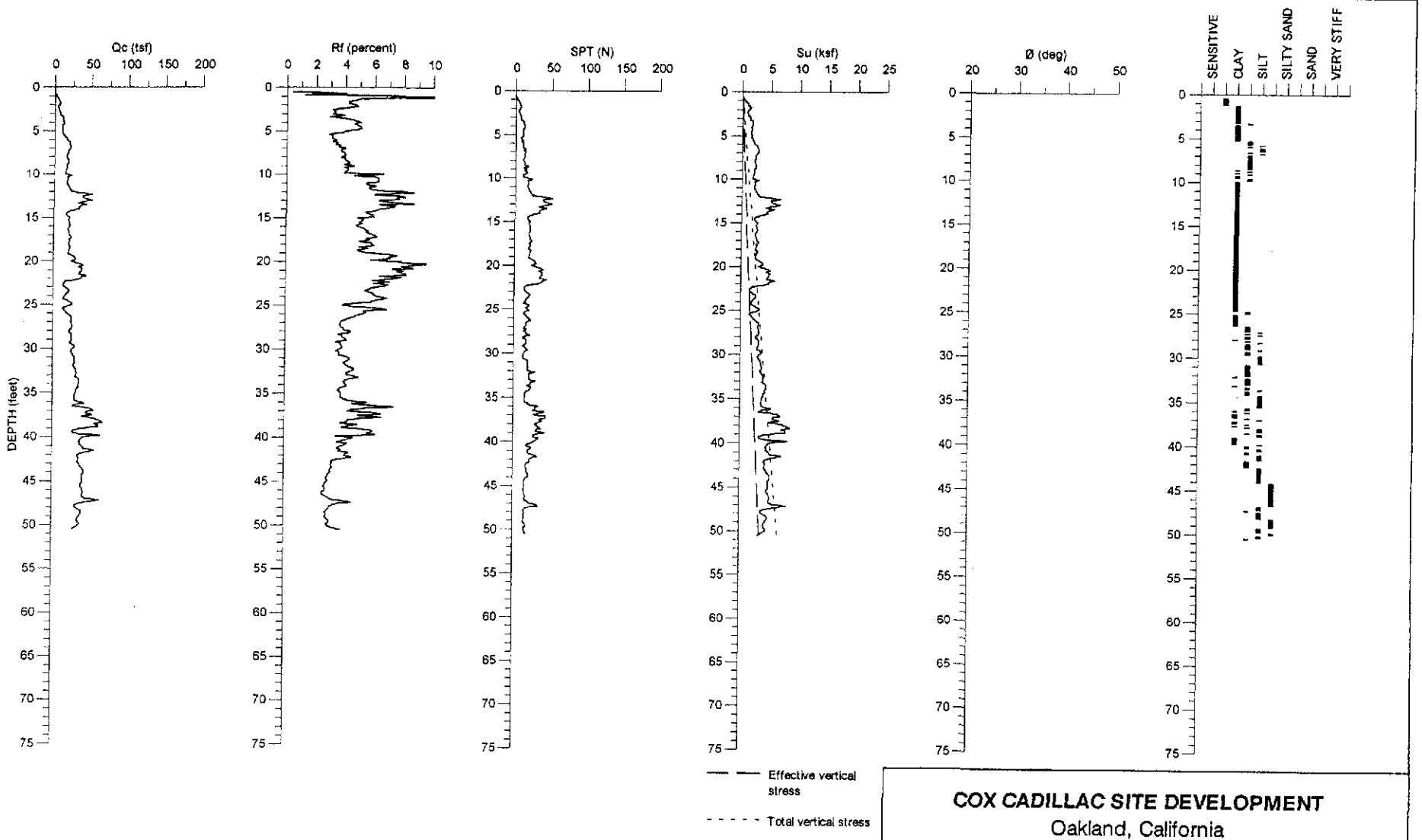
Terminated at 70.5 feet
Groundwater estimated at 9 feet.
Date performed: 2/3/04.
Elevation: 9.5 feet, datum: City of Oakland Datum.

COX CADILLAC SITE DEVELOPMENT
Oakland, California

CONE PENETRATION TEST RESULTS
CPT-2A

Date 05/05/04	Project No. 3830.01	Figure A-2

Treadwell&Rollo



Terminated at 50.5 feet
Groundwater estimated at 0.1 feet.
Date performed: 2/3/04.
Elevation: 10 feet, datum: City of Oakland Datum.

COX CADILLAC SITE DEVELOPMENT
Oakland, California

CONE PENETRATION TEST RESULTS
CPT-4A

Date 05/05/04	Project No. 3830.01	Figure A-4

Treadwell&Rollo

PROJECT: **COX CADILLAC SITE DEVELOPMENT**
Oakland, California

Log of Boring TR-2

Boring location: See Site Plan, Figure 2 | Logged by: A. Blaisdell

Date started: 5/8/04 | Date finished: 5/8/04

Drilling method: Mobile B-24 truck mounted rig, 6-1/2-inch-diameter hollow-stem augers

Hammer weight/drop: 140 lbs./30 inches | Hammer type: Safety

Sampler: Sprague & Henwood (S&H), Standard Penetration Test (SPT)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
					Ground Surface Elevation: 8.24 feet[2]						
0					Six inches PCC with clay tile						
1					SAND with CLAY (SP-SC) brown, loose, moist, trace gravel						
2	S&H		4	SP-SC							
3											
4	SPT		3		▽ (5/8/04, 1:05 PM) very loose, wet						
5											
6	SPT		4		CLAY with SAND (CH) dark gray, soft, wet, coarse sand, trace fine gravel FILL						
7											
8	S&H		2	CH	very soft, heavy organics, contains stiffer clods within overall soft matrix, with gravel						
9											
10	S&H	•	3								
11											
12	S&H		10	CL	SANDY CLAY (CL) olive-brown, stiff, wet						
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

Boring terminated at a depth of 13 feet
Boring backfilled with neat cement grout.
Groundwater was measured at a depth of 4 feet.

[1] S&H blow counts converted to SPT N-values using a factor of 0.6.
[2] Elevation based on City of Oakland datum.

Treadwell&Rollo

Project No.: 3830.01 | Figure: A-7

TEST GEOTECH LOG 383001.GPJ TR.GDT 6/29/04

PROJECT: **COX CADILLAC SITE DEVELOPMENT**
Oakland, California

Log of Boring TR-4

Boring location: See Site Plan, Figure 2 | Logged by: A. Blaisdell

Date started: 5/8/04 | Date finished: 5/8/04

Drilling method: Mobile B-24 truck mounted rig, 6-1/2-inch-diameter hollow-stem augers

Hammer weight/drop: 140 lbs./30 inches | Hammer type: Safety

Sampler: Sprague & Henwood (S&H)

DEPTH (feet)	SAMPLES: Sampler Type	SAMPLES: Sample	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
					Ground Surface Elevation: 8.24 feet[2]						
					Six inches PCC with clay tile						
1–2	S&H		4	CL	SANDY CLAY with GRAVEL (CL) mottled yellow-brown, brown, and gray, soft to medium stiff, moist						
3–4	S&H		13	GP	▽ (5/8/04, 12:45 PM) GRAVEL (GP) gray, medium dense, wet, angular to sub-angular FILL						
5–6	S&H		16	GC	CLAYEY GRAVEL (GC) gray, medium dense, wet, angular to sub-angular, clay in gravel matrix is soft, wood at 6 feet						
7–8	S&H		31		gray-green						
9–10					Boring met practical refusal during drilling at 7.5 feet; sampler advanced to 9 feet.						
11–30											

Boring backfilled with neat cement grout.
Groundwater was measured at a depth of 4 feet.

[1] S&H blow counts converted to SPT N-values using a factor of 0.6.
[2] Elevation based on City of Oakland datum.

Treadwell&Rollo

Project No.: 3830.01 | Figure: A-9

TEST GEOTECH LOG 383001.GPJ TR.GDT 6/29/04

LOG OF BORING

DEPTH (ft)	SAMPLE NO.	SAMPLE LOC.	BLOW COUNTS (12 inches)	DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (%)
				gravelly sandy CLAY		
5	1 - 1		33	fine sandy CLAY/clayey fine SAND - mottled grey & orange-brown; slightly moist to moist; very stiff/medium dense	98.4	25.8
10	1 - 2		45	gravelly clayey SAND - orange-brown; slightly moist; medium dense	105.1	21.7
15	1 - 3		48	clayey SAND - grey-brown; slightly moist to moist; medium dense to dense		
				sandy CLAY - dark grey & black; wet; very stiff to hard		
20	1 - 4		40		110.5	18.4
25				Groundwater encountered at 8 feet, rose to surface after 1.5 hours. Bottom of boring at 20 feet Drilled on 04/05/01 Logged by dd/ba Mobile B-24 drilling rig Modified California sampler 140# hammer		
30						
35						

GeoForensics Inc.
561-D Pilgrim Drive Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure A1 - Log of Boring GF-1

LOG OF BORING

DEPTH (ft)	SAMPLE NO.	SAMPLE LOC.	BLOW COUNTS (12 inches)	DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (%)
				silty CLAY with sand - mottled grey & orange-brown; slightly moist		
5				CLAY - green-grey; slightly moist; soft		
	2 - 1		11		94.8	29.3
10				clayey SILT - black; organic; very moist to wet; soft	98.1	23.0
15	2 - 2		21	sandy CLAY - dark grey & black; wet; stiff		
20	2 - 3		28	sandy CLAY with trace fine gravel - mottled orange & grey-brown; slightly moist; very stiff	101.7	24.5
25				Groundwater at 12 feet after 1 hour (not stabilized). Bottom of boring at 21.5 feet Drilled on 04/05/01 Logged by dd/ba Mobile B-24 drilling rig Modified California sampler 140# hammer		
30						
35						

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Figure A2 - Log of Boring GF-2

LOG OF BORING

DEPTH (ft)	SAMPLE NO.	SAMPLE LOG.	BLOW COUNTS (12 Inches)	DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (%)
5	3 - 1		9	CLAY - dark grey-black; slightly moist; medium stiff	94.2	26.0
10	3 - 2		21	sandy CLAY - dark grey-black; slightly moist; stiff	101.0	24.7
15	3 - 3		27	clayey fine SAND/fine sandy CLAY - mottled orange & grey-brown; slightly moist; medium dense/very stiff		
20	3 - 4		29	fine sandy CLAY with trace fine gravel - mottled orange & grey-brown; slightly moist; very stiff		
25				Groundwater encountered at 13 feet, rose to 10.5 feet after 1 hour.		
30				Bottom of boring at 20 feet		
35				Drilled on 04/05/01		
				Logged by ba		
				Mobile B-24 drilling rig		
				Modified California sampler		
				140# hammer		

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Figure A3 - Log of Boring GF-3

LOG OF BORING

DEPTH (ft)	SAMPLE NO.	SAMPLE LOC.	BLOW COUNTS (12 inches)	DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (%)
				4" CONCRETE SLAB		
	5 - 1			sandy CLAY - mottled orange & brown; firm; moist		
5				CONCRETE 3 feet thick		
				Practical refusal at 6 feet.		
10						
15						
20						
25				No groundwater encountered. Bottom of boring at 6 feet Drilled on 04/05/01 Logged by dd/ba Mobile B-24 drilling rig Modified California sampler 140# hammer		
30						
35						

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Figure A5 - Log of Boring GF-5

LOG OF BORING

DEPTH (ft)	SAMPLE NO.	SAMPLE LOC.	BLOW COUNTS (12 inches)	DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (%)
				6" CONCRETE SLAB SAND - buff; loose; very moist/wet (excavated prior to drilling)		
5	7 - 1		10	sandy CLAY with few gravels - dark grey-brown; saturated; medium stiff		
10						
15	7 - 2		70	CLAY - mottled orange & grey-brown; slightly moist; hard		
	SPT 7 - 3		43	as above; very stiff		
20						
25				Groundwater encountered at 5 feet. Bottom of boring at 19.5 feet Drilled on 05/09/01 Logged by BA Mobile B-24 drilling rig Modified California & Split Spoon samplers 140# hammer		
30						
35						

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Figure A - Log of Boring GF-7

LOG OF BORING

DEPTH (ft)	SAMPLE NO.	SAMPLE LOC.	BLOW COUNTS (12 inches)	DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (%)
				6" CONCRETE SLAB		
				SAND		
				CONCRETE		
5						
	8 - 1		8	CLAY - dark grey & black; moist; medium stiff		
10						
	8 - 2		15	sandy CLAY - grey; moist; stiff		
15						
	no recovery		31	sandy CLAY - very stiff		
20						
25				Groundwater encountered at 7 feet Bottom of boring at 19.5 feet Drilled on 05/09/01 Logged by ba Mobile B-24 drilling rig Modified California sampler 140# hammer		
30						
35						

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Figure A - Log of Boring GF-8

LOG OF BORING

DEPTH (ft)	SAMPLE NO.	SAMPLE LOC.	BLOW COUNTS (12 inches)	DESCRIPTION	DRY DENSITY (pcf)	MOISTURE CONTENT (%)
				6" CONCRETE		
				CONCRETE SLAB		
5				Materials removed by Levine-Fricke prior to GeoForensics drilling.		
10						
	9 - 1		46	CLAY with sand - mottled orange & grey-brown; slightly moist; very stiff		
15						
20						
25						
30						
35						

Groundwater reported at 5 feet.
Bottom of boring at 14.5 feet
Drilled on 05/09/01
Logged by ba
Mobile B-24 drilling rig
Modified California sampler
140# hammer

GeoForensics Inc.
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Figure A - Log of Boring GF-9

EXPLORATORY BORING: EB-2

DRILL RIG: FAILING 1500
BORING TYPE: 4-7/8 INCH ROTARY WASH
LOGGED BY: DGJ
START DATE: 7-27-00 FINISH DATE: 7-27-00

PROJECT NO: 595-71
PROJECT: 230 BAY PLACE
LOCATION: OAKLAND, CA
COMPLETION DEPTH: 39.0 FT.

This log is a part of a report by Lowney Associates, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (FT)	DEPTH (FT)	MATERIAL DESCRIPTION AND REMARKS	SOIL TYPE	PENETRATION RESISTANCE (BLOWS/FT.)	SAMPLER	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PASSING NO. 200 SIEVE
	0	SURFACE ELEVATION:						
		3 inches asphalt concrete						
		CLAYEY SAND (SC) [FILL] dense, moist, yellowish-brown, fine, trace fine gravel	SC, FILL	40		13	114	
	5	**SAND (SP)** dense, wet, greenish-gray, fine to medium, trace clay, trace gravel	SP	38		14	118	13
		SILTY CLAY (CL) very stiff, moist, yellowish-brown, gray mottles, moderate plasticity		27		25	100	
	10	Plasticity Index = 47, Liquid Limit = 72		30		35	89	
				52		18	114	
	15							
			CL	31		24		
	20							
				38		19	107	
	25							
				68		18		
	30							

Undrained Shear Strength (ksf)
○ Pocket Penetrometer
△ Torvane
● Unconfined Compression
▲ U-U Triaxial Compression
1.0 2.0 3.0 4.0

Continued Next Page

GROUND WATER OBSERVATIONS:
NO FREE GROUNDWATER ENCOUNTERED

LA_CORP.GDT 8/4/00 MV: FLL

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

EXPLORATORY BORING: EB-2 Cont'd

DRILL RIG: FAILING 1500
BORING TYPE: 4-7/8 INCH ROTARY WASH
LOGGED BY: DGJ
START DATE: 7-27-00 FINISH DATE: 7-27-00

PROJECT NO: 595-71
PROJECT: 230 BAY PLACE
LOCATION: OAKLAND, CA
COMPLETION DEPTH: 39.0 FT.

This log is a part of a report by Lowney Associates, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (FT)	DEPTH (FT)	SOIL LEGEND	MATERIAL DESCRIPTION AND REMARKS	SOIL TYPE	PENETRATION RESISTANCE (BLOWS/FT)	SAMPLER	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PERCENT PASSING NO. 200 SIEVE	Undrained Shear Strength (ksf)
	30		**SILTY CLAY (CL)** very stiff, moist, yellowish-brown, gray mottles, moderate plasticity	CL	51		25	100		○
	35				84		20			
	40		Bottom of Boring at 39 feet							
	45									
	50									
	55									
	60									

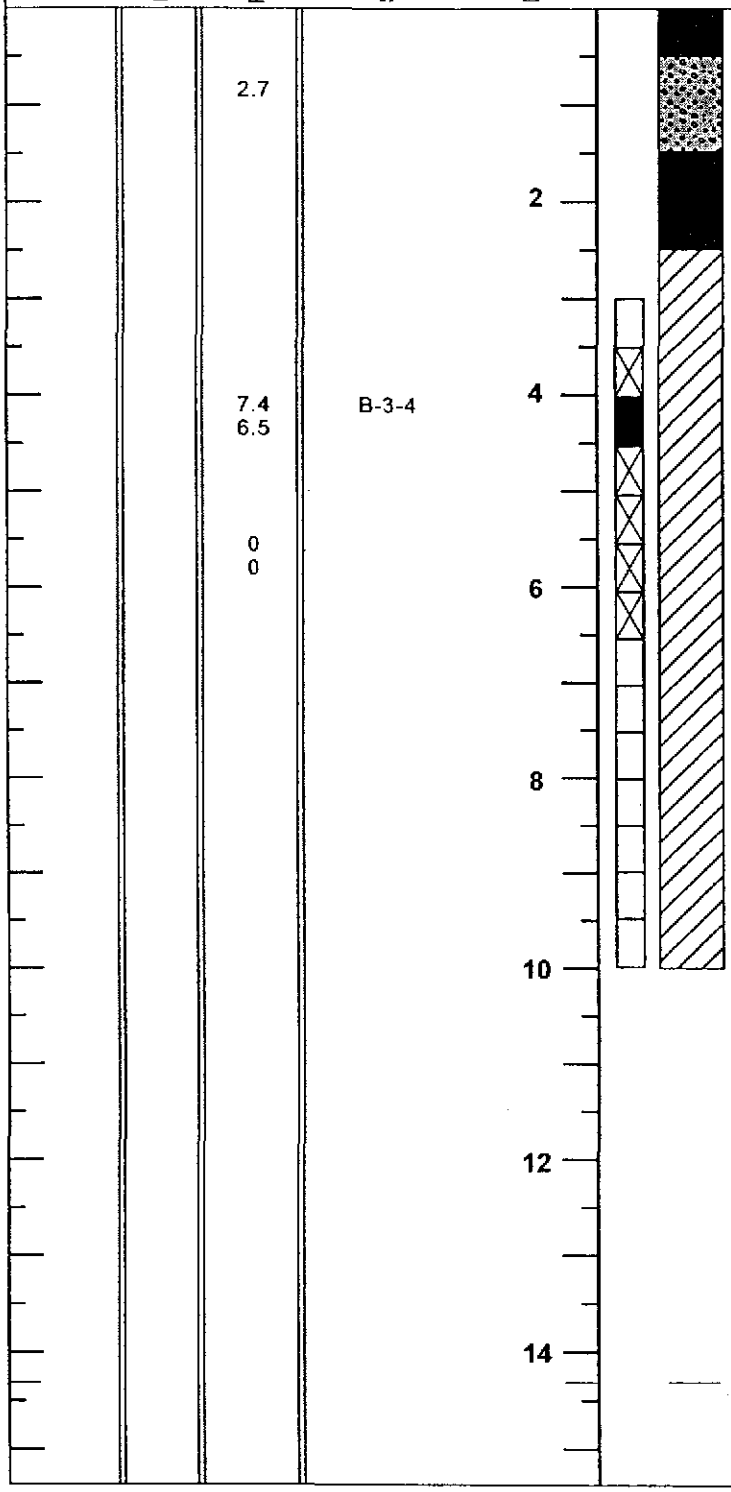
Undrained Shear Strength (ksf)
○ Pocket Penetrometer
△ Torvane
● Unconfined Compression
▲ U-U Triaxial Compression
1.0 2.0 3.0 4.0

GROUND WATER OBSERVATIONS:
NO FREE GROUNDWATER ENCOUNTERED

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-3



MATERIALS DESCRIPTION

Concrete

Sand, brick and concrete debris fill.

Concrete

GREENISH BROWN SANDY CLAY (CL)
moist, medium stiff , some gravel

Color change to DARK GRAY at 3.5 feet below ground surface
Moderately strong hydrocarbon odor from 3.5 to 5.5 feet.

Color change to DARK GRAYISH BROWN at 5.5 feet
Very slight hydrocarbon odor from 5.5 to 6.5 feet.

Change at 7 feet to YELLOWISH BROWN
stiff to very stiff, slight increase in fine gravel

No free water encountered.

Bottom of borehole @ 10.0 feet below ground surface.

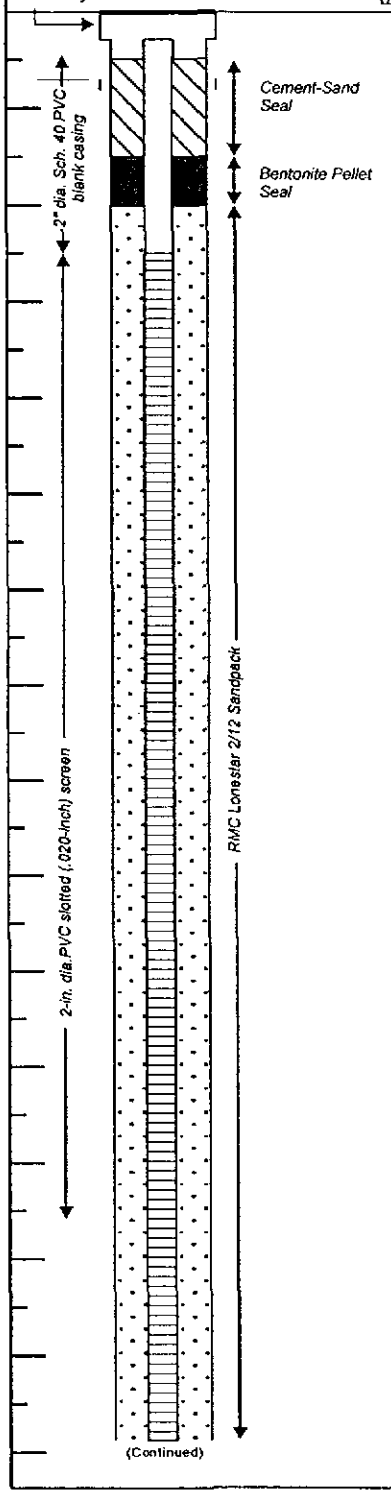
1670201001_b1-3_mw2.CDR

PROJECT	Former Cox Cadillac	DIAMETER OF HOLE	2 inches
LOCATION	Oakland, CA.	TOTAL DEPTH OF HOLE	10 feet
JOB NUMBER	167.0201.004	TOP OF CASING ELEVATION	NA
GEOLOGIST/ENGINEER	Chris Rossitto	DATE STARTED	7/3/97
DRILL RIG/SAMPLING METHOD	Rhino Rig/Direct Push	DATE COMPLETED	7/3/97

PLATE **B-4**

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF MONITORING WELL MW-2



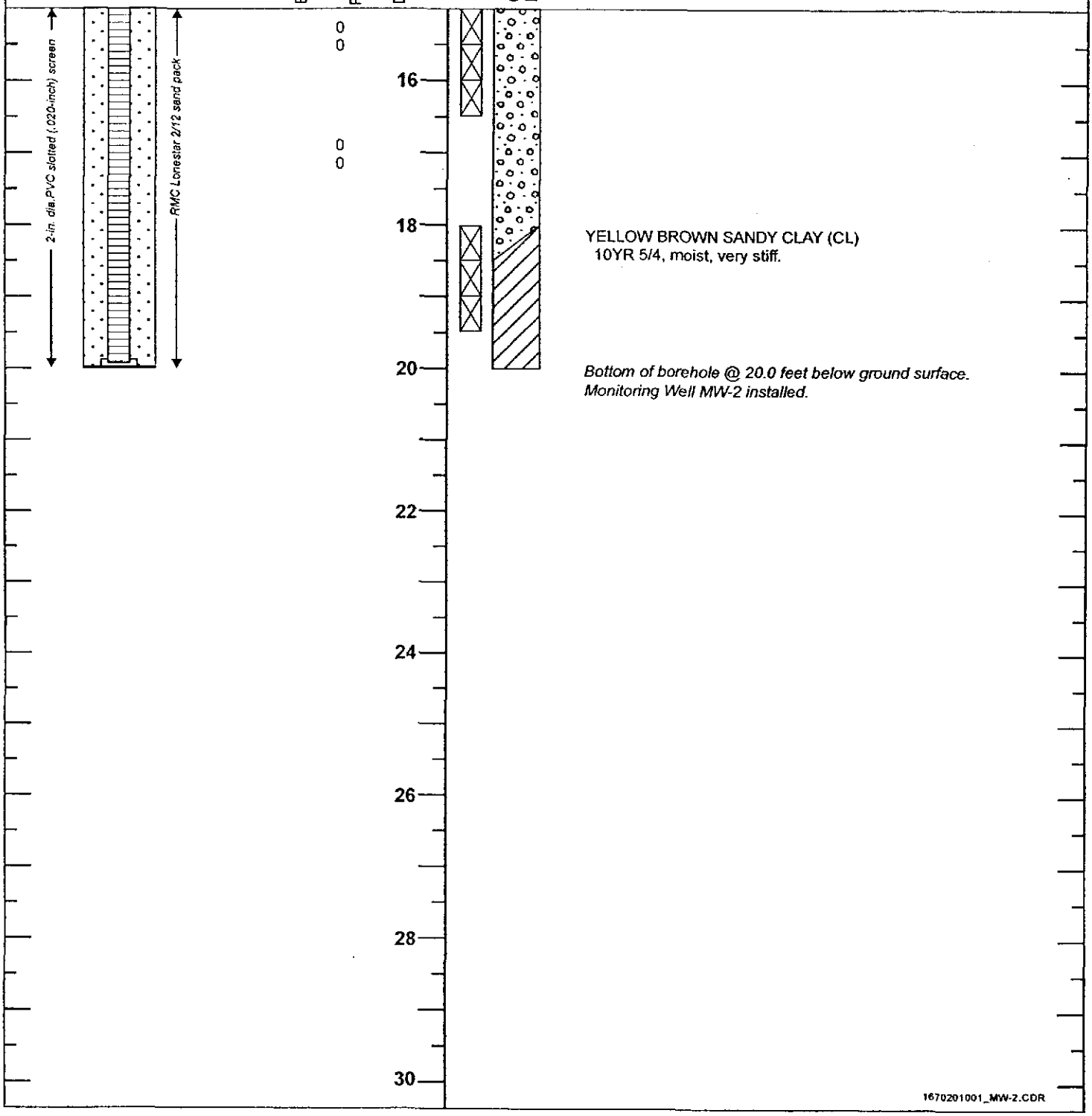
BLOWS/6 IN.	PID (PPM)	DEPTH (FT)	GRAPHIC LOG	MATERIALS DESCRIPTION
				Concrete Sidewalk. Hand Auger to 5 feet.
		2		DARK YELLOWISH BROWN CLAYEY SANDY GRAVEL (GW) 10YR 3/4, moist, loose to medium dense, ~60%fine to coarse gravel, ~35% medium to coarse sand, ~5% clay.
				GREENISH BLACK SANDY CLAY (CL) 10Y 2.5/1, moist, stiff to very stiff, ~20% fine to coarse sand, ~80% clay.
		4		
	0			Change at 5 feet to DARK GREENISH GRAY 5 GY 4/1, moist, medium stiff.
	0	6		
	0			DARK YELLOWISH BROWN GRAVEL (GP) with sand and clay 10YR 4/4, wet, medium dense, ~10% clay, ~20% fine to coarse sand, ~70% fine gravel.
		8		Groundwater encountered at 7 feet below ground surface.
	0	10		
	0			
		12		
		14		
				(Continued)

1670201001_MW-2.CDR

PROJECT	Former Cox Cadillac	DIAMETER OF HOLE	8 inches	PLATE
LOCATION	Richmond, CA.	TOTAL DEPTH OF HOLE	20 feet	B-5
JOB NUMBER	167.0201.004	TOP OF CASING ELEVATION	NA	
GEOLOGIST/ENGINEER	Chris Rossitto	DATE STARTED	12/29/98	
DRILL RIG/SAMPLING METHOD	All-Terrain D-15/HSA	DATE COMPLETED	12/29/98	

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF MONITORING WELL MW-2



PROJECT	Former Cox Cadillac	DIAMETER OF HOLE	8 inches
LOCATION	Richmond, CA.	TOTAL DEPTH OF HOLE	20 feet
JOB NUMBER	167.0201.004	TOP OF CASING ELEVATION	NA
GEOLOGIST/ENGINEER	Chris Rossitto	DATE STARTED	12/29/98
DRILL RIG/SAMPLING METHOD	All-Terrain D-15/HSA	DATE COMPLETED	12/29/98

PLATE **B-5**

APPENDIX C

March – April 2004 Laboratory Data

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

LFR Levine Fricke
1900 Powell Street
12th Floor
Emeryville, CA 94608

Date: 10-MAY-04
Lab Job Number: 171973
Project ID: 001-09171.02
Location: Cox Cadillac, Oakland

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____ for TLB
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

Laboratory Numbers: **171973**
Client:: **LFR Levine Fricke**
Location: **Cox Cadillac**
Project#: **001-09171**
COC#: **200258**

Sampled Date: **04/27/04**
Received Date: **04/27/04**

CASE NARRATIVE

This hardcopy data package contains sample and QC results for four solid samples, which were received from the site referenced above on April 27, 2004. The samples were received cold and intact. All data were E-mailed to Ron Goloubow on May 3, 2004.

Total Volatile Hydrocarbons/BTXE by (EPA 8015B/8021B):
The trifluorotoluene surrogate recoveries for the blank spikes were outside acceptance limits due to coelution of the surrogate peak with hydrocarbon peaks. The associated bromofluorobenzene surrogate recoveries were acceptable, therefore, there is no affect on the quality of the sample results. No other analytical problems were encountered.

Total Extractable Hydrocarbons by (EPA 8015B):
No analytical problems were encountered.

Metals by (EPA 6000/7000):
The barium matrix spike recoveries were outside acceptance limits. The sample spiked was not from the site above and the associated blank spike recoveries passed all quality control criteria. No other analytical problems were encountered.

CHAIN OF CUSTODY ANALYSIS REQUEST FORM 171973

SAMPLE COLLECTOR:
LFR LEVINE•FRICKE
1900 Powell Street, 12th Floor
Emeryville, California 94608-1827
(510) 652-4500 Fax: (510) 652-2246

PROJECT NO.: 001-0171 | SECTION NO.: | DATE: 4/27/09 | SAMPLER'S INITIALS: DMG | SERIAL NO.: Nº 200258

PROJECT NAME: Cox Cadillac | SAMPLER (Signature):

SAMPLE								ANALYSES														REMARKS
Sample ID.	Date	Time	Lab Sample No.	No. of Containers	TYPE: Soil/Sediment	TYPE: Water		TPHd (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8021/602)	VOCs (EPA 8260/624)*	Metals (CAM17 or RCRA or LUFT)**								TAT: Standard	RUSH:	HOLD	* VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List ** Metals: ☐ CAM17 ☐ RCRA ☐ LUFT
EX-3-0	4/27	0840		1	✓			✓	✓	✓		✓								✓			
EX-1-0	↓	0925		1	✓			✓	✓	✓	✓									↓			
EX-1-1.5		1230		1	✓			✓	✓	✓	✓												
EX-4-0	↓	1600		1	✓			✓	✓	✓	✓									↓			

SAMPLE RECEIPT: ☑ Intact ☑ Cold ☐ On Ice ☐ Ambient
Preservative Correct? ☐ Yes ☐ No ☐ N/A
Cooler Temp:
Cooler No:

METHOD OF SHIPMENT:
LAB REPORT NO.:
FAX COC CONFIRMATION TO:

ANALYTICAL LABORATORY:
FAX RESULTS TO:
SEND HARDCOPY TO:
SEND EDD TO: EMV.LABEDDS.COM

	1	2	3
RELINQUISHED BY:			
(SIGNATURE)	4/27 (DATE)	(SIGNATURE) (DATE)	(SIGNATURE) (DATE)
(PRINTED NAME)	1700 (TIME)	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
(COMPANY)	LFR	(COMPANY)	(COMPANY)
RECEIVED BY:	1	2	3 RECEIVED BY (LABORATORY):
(SIGNATURE)	4/27/09 (DATE)	(SIGNATURE) (DATE)	(SIGNATURE) (DATE)
(PRINTED NAME)	1732 (TIME)	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
(COMPANY)	CAT	(COMPANY)	(LABORATORY)

Lab/Shipping Copy (White) File Copy (Yellow) Field Copy (Pink)

FORM NO: 2001/COC/SXS

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1
Effective Date: 10-May-99
Revision: 1 Number 1 of 3
Filename: F:\QC\Forms\QC\Cooler.wpd

Curtis & Tompkins, Ltd.

COOLER RECEIPT CHECKLIST

Login#: 171973 Date Received: 4/27/04 Number of Coolers: 1
Client: LFR Project: Cox Cadillac

A. Preliminary Examination Phase
Date Opened: 4/27/04 By (print): Peter P. (sign)

1. Did cooler come with a shipping slip (airbill, etc.)? ..... YES (NO)
   If YES, enter carrier name and airbill number:
2. Were custody seals on outside of cooler? ..... YES (NO)
   How many and where? Seal date: Seal name:
3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO N/A
4. Were custody papers dry and intact when received? ..... (YES) NO
5. Were custody papers filled out properly (ink, signed, etc.)? ..... (YES) NO
6. Did you sign the custody papers in the appropriate place? ..... (YES) NO
7. Was project identifiable from custody papers? ..... (YES) NO
   If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. ..... YES NO
   Type of ice: WET Temperature: COLD - no temp blank

B. Login Phase
Date Logged In: 4/27/04 By (print): Peter P. (sign)

1. Describe type of packing in cooler: Zip Loc bag
2. Did all bottles arrive unbroken? ..... (YES) NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)? ..... (YES) NO
4. Did bottle labels agree with custody papers? ..... (YES) NO
5. Were appropriate containers used for the tests indicated? ..... (YES) NO
6. Were correct preservatives added to samples? ..... YES NO N/A
7. Was sufficient amount of sample sent for tests indicated? ..... (YES) NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below ..... YES NO N/A
9. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, give details below.
   Who was called? By whom? Date:

Additional Comments:

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Basis:	as received	Sampled:	04/27/04
Diln Fac:	1.000	Received:	04/27/04
Batch#:	90644		

Field ID:	EX-3-0	Matrix:	Miscell.
Type:	SAMPLE	Analyzed:	04/28/04
Lab ID:	171973-001		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.99	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	71-138	EPA 8015B
Bromofluorobenzene (FID)	112	73-143	EPA 8015B
Trifluorotoluene (PID)	87	55-135	EPA 8021B
Bromofluorobenzene (PID)	97	58-135	EPA 8021B

Field ID:	EX-1-0	Matrix:	Miscell.
Type:	SAMPLE	Analyzed:	04/28/04
Lab ID:	171973-002		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.7	ug/Kg	EPA 8021B
o-Xylene	ND	4.7	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	102	71-138	EPA 8015B
Bromofluorobenzene (FID)	114	73-143	EPA 8015B
Trifluorotoluene (PID)	86	55-135	EPA 8021B
Bromofluorobenzene (PID)	98	58-135	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Basis:	as received	Sampled:	04/27/04
Diln Fac:	1.000	Received:	04/27/04
Batch#:	90644		

Field ID: EX-1-1.5 Matrix: Miscell.
Type: SAMPLE Analyzed: 04/28/04
Lab ID: 171973-003

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.99	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	7.1	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	71-138	EPA 8015B
Bromofluorobenzene (FID)	115	73-143	EPA 8015B
Trifluorotoluene (PID)	87	55-135	EPA 8021B
Bromofluorobenzene (PID)	99	58-135	EPA 8021B

Field ID: EX-4-0 Matrix: Miscell.
Type: SAMPLE Analyzed: 04/28/04
Lab ID: 171973-004

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	1.2	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	37	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	180	5.2	ug/Kg	EPA 8021B
o-Xylene	100	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	101	71-138	EPA 8015B
Bromofluorobenzene (FID)	110	73-143	EPA 8015B
Trifluorotoluene (PID)	84	55-135	EPA 8021B
Bromofluorobenzene (PID)	96	58-135	EPA 8021B

Type: BLANK Matrix: Soil
Lab ID: QC249212 Analyzed: 04/27/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.20	mg/Kg	EPA 8015B
Benzene	ND	1.0	ug/Kg	EPA 8021B
Toluene	ND	1.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	1.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	1.0	ug/Kg	EPA 8021B
o-Xylene	ND	1.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	71-138	EPA 8015B
Bromofluorobenzene (FID)	107	73-143	EPA 8015B
Trifluorotoluene (PID)	92	55-135	EPA 8021B
Bromofluorobenzene (PID)	100	58-135	EPA 8021B

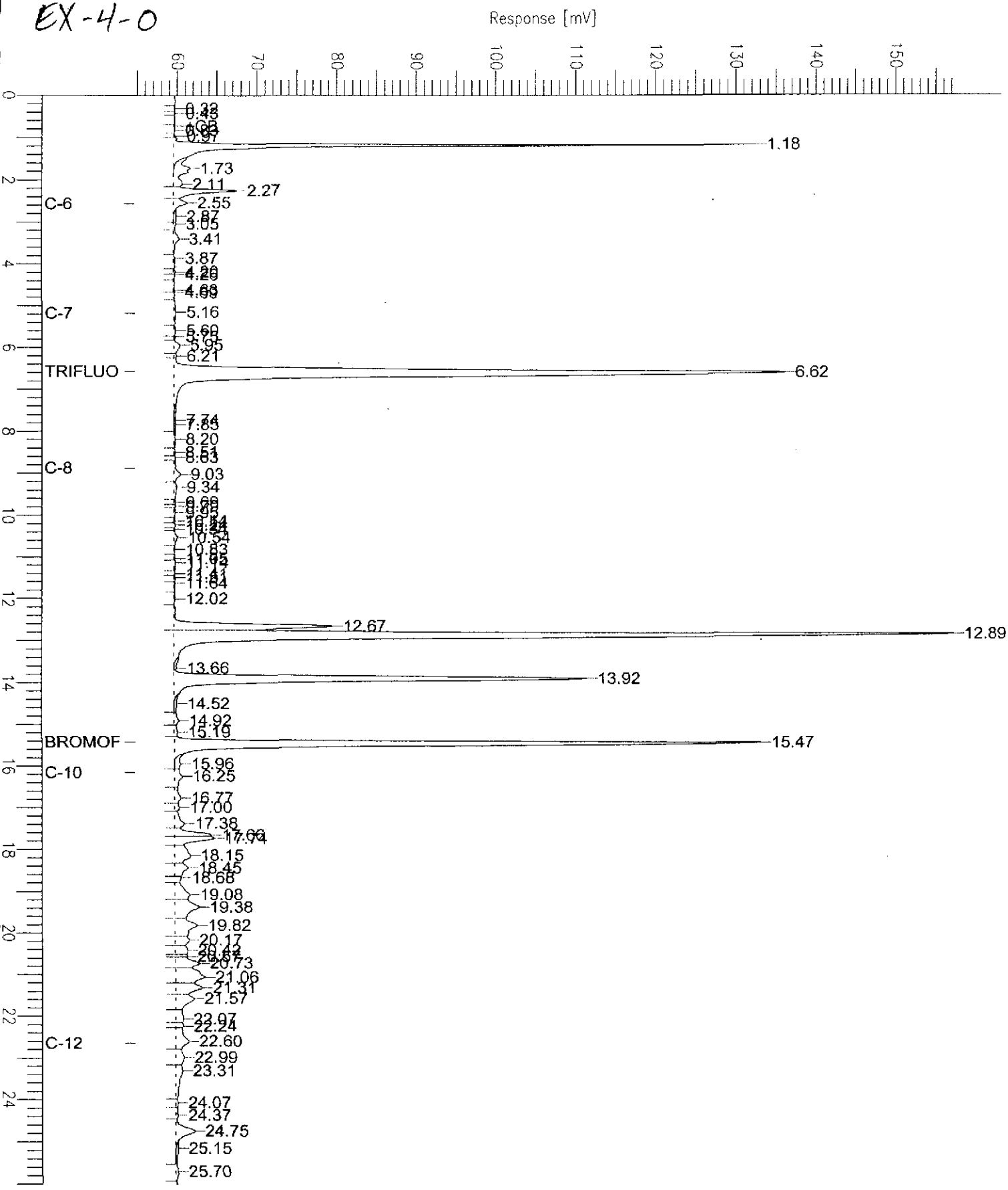
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 171973-004,90644
FileName : G:\GC04\DATA\118J021.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 55 mV

Sample #: a Page 1 of 1
Date : 4/28/04 04:23 AM
Time of Injection: 4/28/04 03:57 AM
Low Point : 54.72 mV High Point : 157.14 mV
Plot Scale: 102.4 mV

EX-4-0

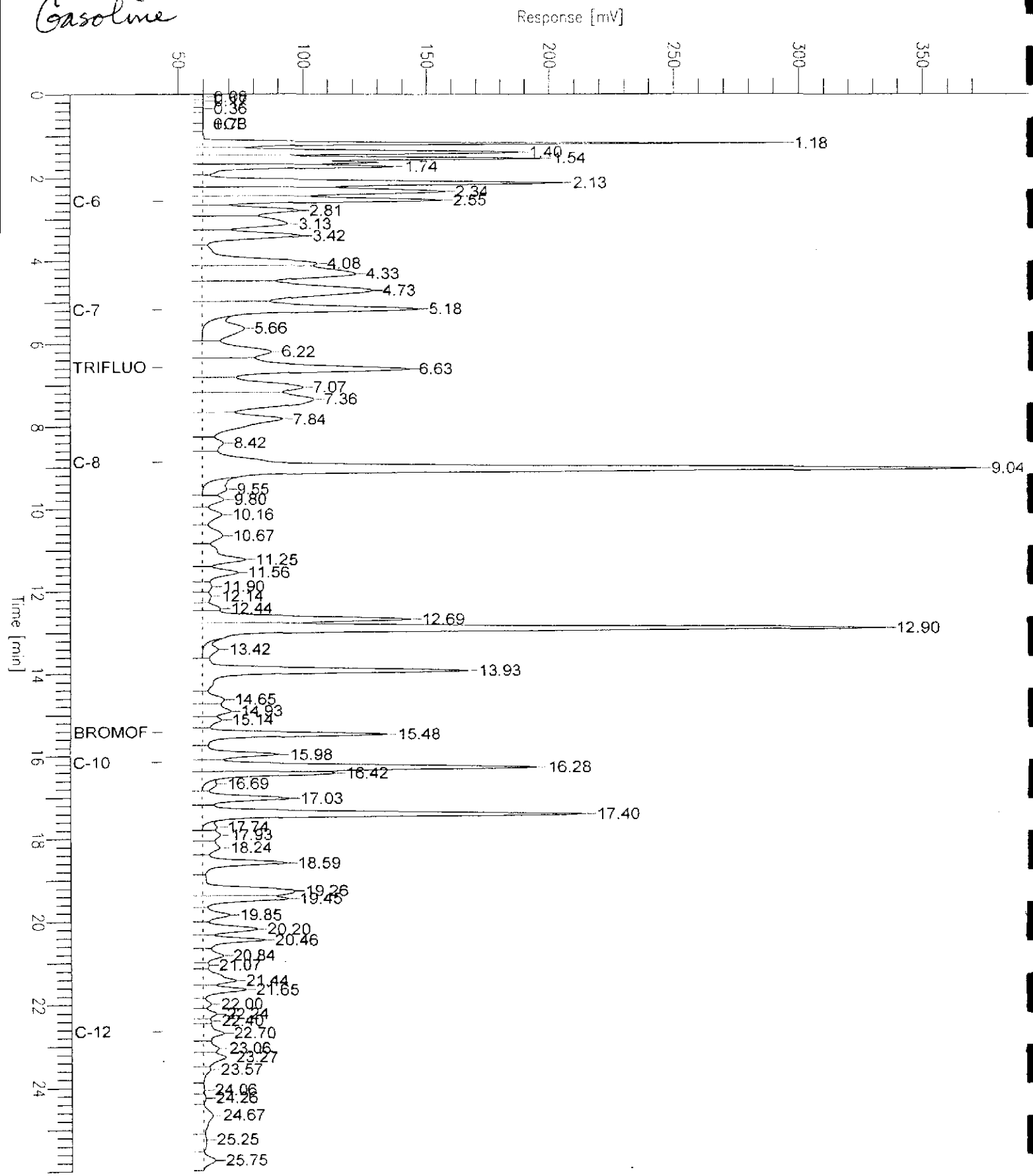


GC04 TVH 'J' Data File FID

Sample Name : ccv/bs,qc249213,90644,04ws0672,5/5000
FileName : g:\gc04\data\118j002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 44 mV

Sample #: Page 1 of 1
Date : 4/28/04 08:52 AM
Time of Injection: 4/27/04 01:52 PM
Low Point : 44.14 mV High Point : 373.14 mV
Plot Scale: 329.0 mV

Gasoline



Curtis & Tompkins, Ltd.

atch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC249214	Diln Fac:	1.000
Matrix:	Soil	Batch#:	90644
Units:	ug/Kg	Analyzed:	04/27/04

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12		NA		
Benzene	20.00	19.48	97	80-120
Toluene	20.00	19.75	99	80-120
Ethylbenzene	20.00	20.46	102	79-120
m,p-Xylenes	20.00	20.01	100	80-120
o-Xylene	20.00	19.93	100	80-120

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		80	55-135
Bromofluorobenzene (PID)		89	58-135

NA= Not Analyzed

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	BS	Basis:	as received
Lab ID:	QC249213	Diln Fac:	1.000
Matrix:	Soil	Batch#:	90644
Units:	mg/Kg	Analyzed:	04/27/04

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.09	101	80-120
Benzene		NA		
Toluene		NA		
Ethylbenzene		NA		
m,p-Xylenes		NA		
o-Xylene		NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		143 *	71-138
Bromofluorobenzene (FID)		116	73-143
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

*= Value outside of QC limits; see narrative
NA= Not Analyzed

3.0

Curtis & Tompkins, Ltd.

atch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	BSD	Basis:	as received
Lab ID:	QC249282	Diln Fac:	1.000
Matrix:	Soil	Batch#:	90644
Units:	mg/Kg	Analyzed:	04/27/04

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	10.54	105	80-120	4	20
Benzene		NA				
Toluene		NA				
Ethylbenzene		NA				
m,p-Xylenes		NA				
o-Xylene		NA				

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		141 *	71-138
Bromofluorobenzene (FID)		113	73-143
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

*= Value outside of QC limits; see narrative
NA= Not Analyzed
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.02	Analysis:	EPA 8015B
Units:	mg/Kg	Sampled:	04/27/04
Basis:	as received	Received:	04/27/04
Batch#:	90701	Prepared:	04/28/04

Field ID:	EX-3-0	Matrix:	Miscell.
Type:	SAMPLE	Diln Fac:	2.000
Lab ID:	171973-001	Analyzed:	04/29/04

Analyte	Result	RL
Diesel C10-C24	290 H Y	2.0

Surrogate	%REC	Limits
Hexacosane	86	52-131

Field ID:	EX-1-0	Matrix:	Miscell.
Type:	SAMPLE	Diln Fac:	1.000
Lab ID:	171973-002	Analyzed:	04/29/04

Analyte	Result	RL
Diesel C10-C24	13 H Y	1.0

Surrogate	%REC	Limits
Hexacosane	98	52-131

Field ID:	EX-1-1.5	Matrix:	Miscell.
Type:	SAMPLE	Diln Fac:	1.000
Lab ID:	171973-003	Analyzed:	04/29/04

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	88	52-131

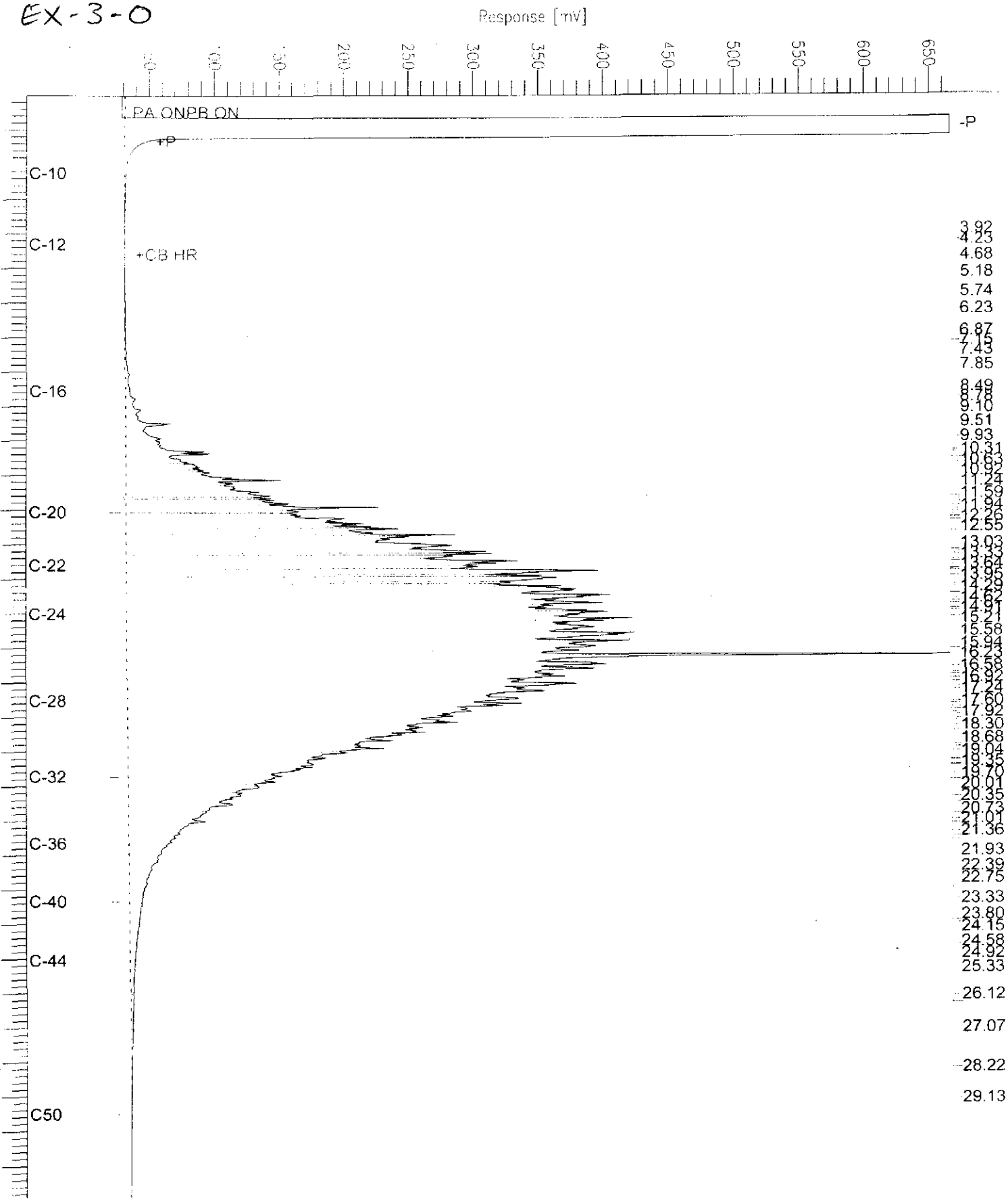
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 171973-001,90701
FileName : G:\GC13\CHB\120B005.RAW
Method : BTEH105.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 28 mV

Sample #: 90701
Date : 4/30/04 09:01 AM
Time of Injection: 4/29/04 04:01 PM
Low Point : 27.70 mV High Point : 666.16 mV
Plot Scale: 638.5 mV

EX-3-O

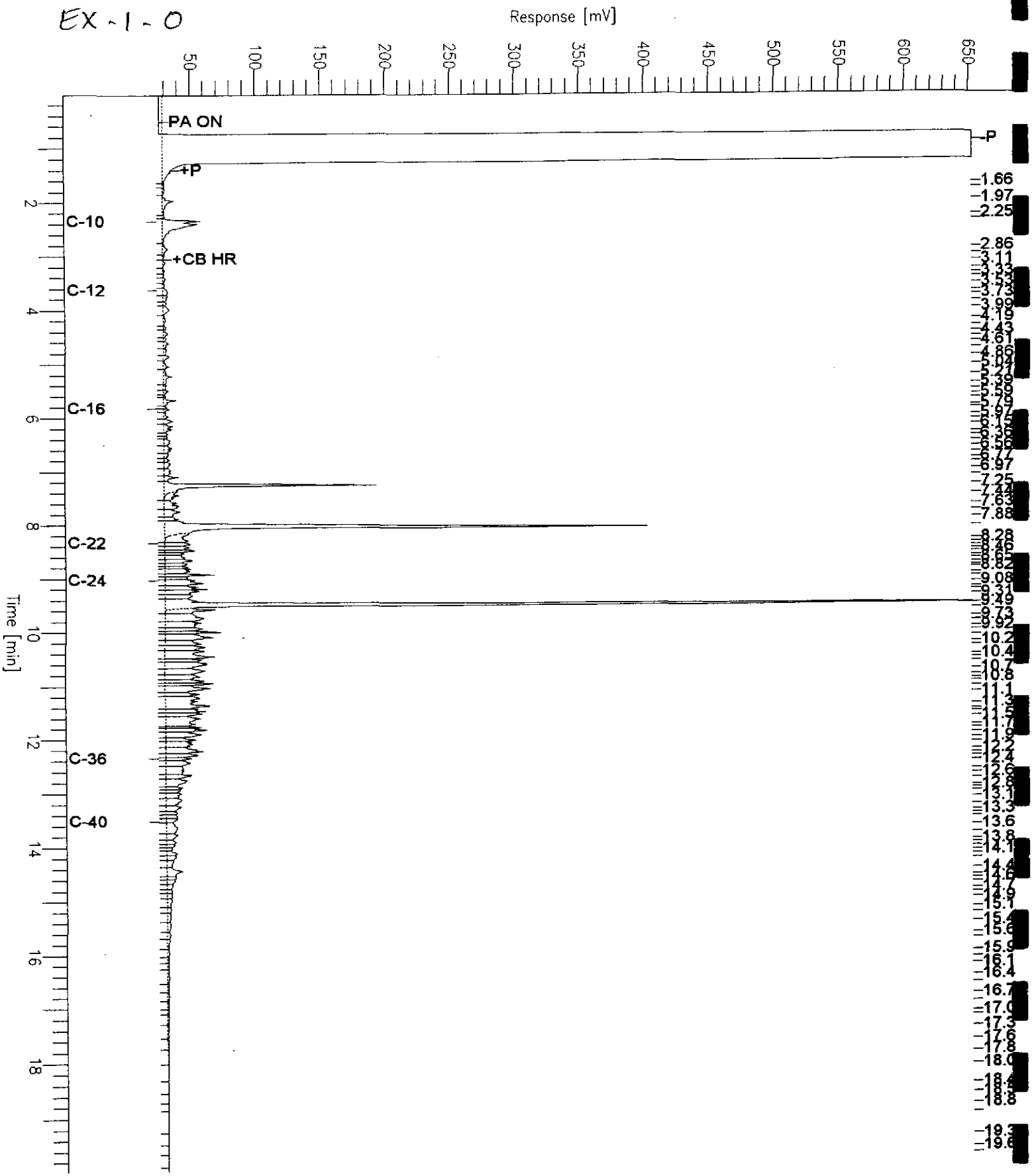


Chromatogram

Sample Name : 171973-002,90701
FileName : G:\GC17\CHA\120A021.RAW
Method : ATEH114.MTH
Start Time : 0.01 min End Time : 19.97 min
Scale Factor: 0.0 Plot Offset: 24 mV

Sample #: 90701 Page 1 of 1
Date : 4/30/04 09:16 AM
Time of Injection: 4/29/04 09:51 PM
Low Point : 24.49 mV High Point : 652.74 mV
Plot Scale: 628.2 mV

EX-1-O



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.02	Analysis:	EPA 8015B
Units:	mg/Kg	Sampled:	04/27/04
Basis:	as received	Received:	04/27/04
Batch#:	90701	Prepared:	04/28/04

Field ID:	EX-4-0	Matrix:	Miscell.
Type:	SAMPLE	Diln Fac:	10.00
Lab ID:	171973-004	Analyzed:	04/30/04

Analyte	Result	RL
Diesel C10-C24	620 H Y	10

Surrogate	%REC	Limits
Hexacosane	DO	52-131

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC249414	Analyzed:	04/28/04
Matrix:	Soil		

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	90	52-131

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

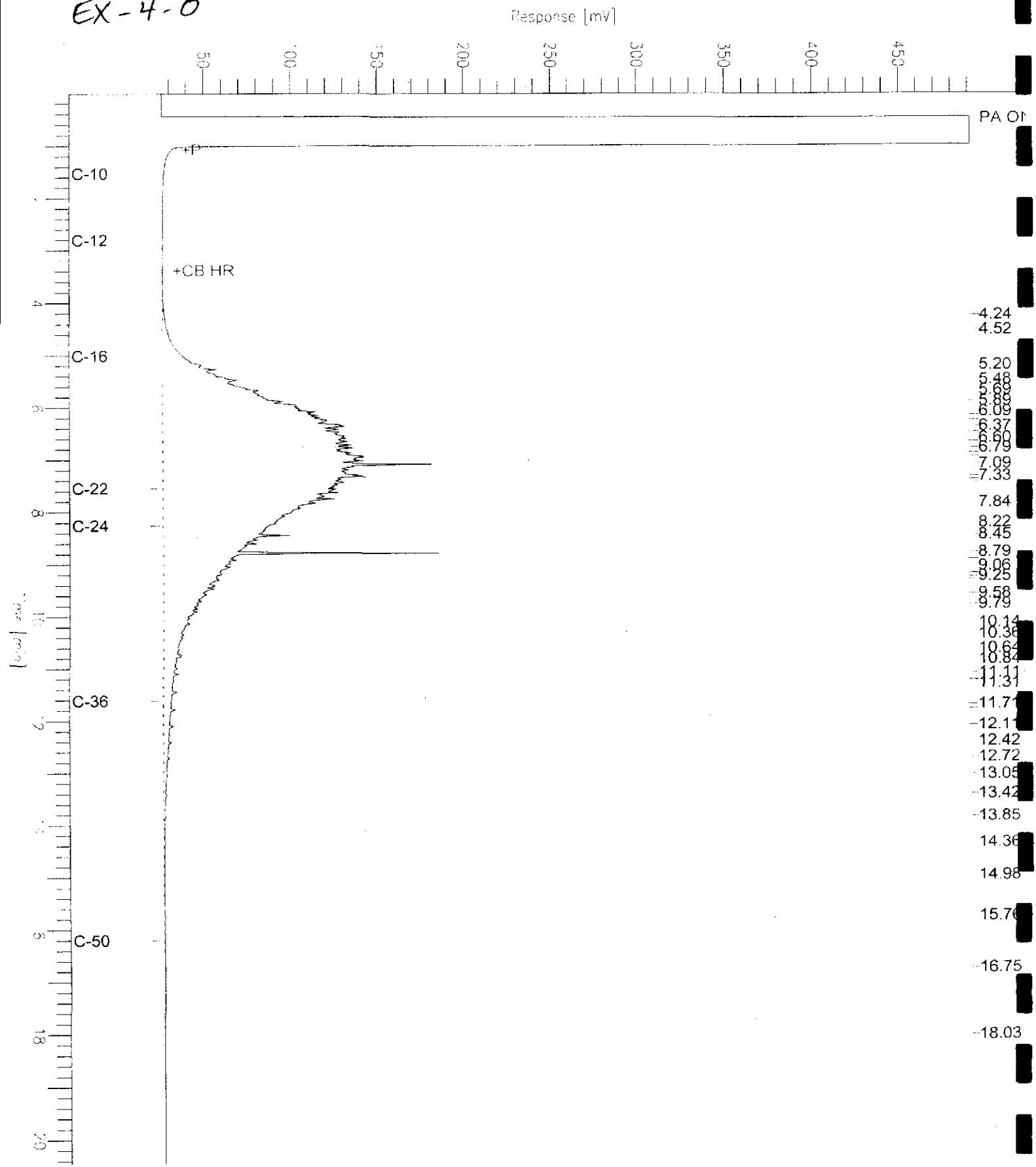
10.0

Chromatogram

Sample Name : 171973-004,90701
FileName : G:\GC11\CHA\119A032.RAW
Method : ATEH120S.MTH
Start Time : 0.01 min End Time : 20.45 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 90701 Page 1 of 1
Date : 4/30/04 11:33 AM
Time of Injection: 4/30/04 11:00 AM
Low Point : 25.21 mV High Point : 491.63 mV
Plot Scale: 466.4 mV

EX-4-0

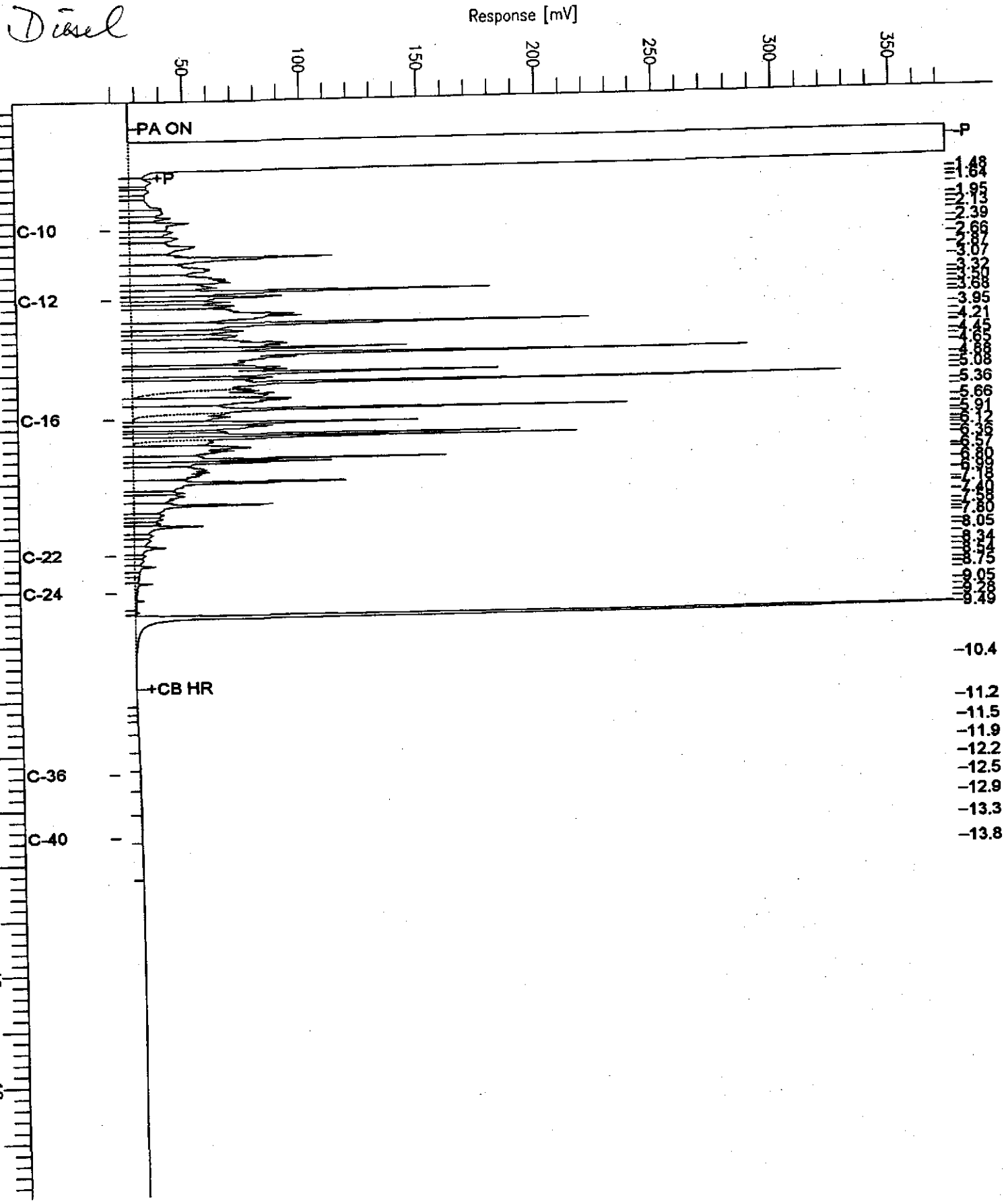


Chromatogram

Sample Name : ccv,04ws0655,dsl
File Name : G:\GC17\CHA\119A005.RAW
Method : ATEH114.MTH
Start Time : 0.01 min
Scale Factor: 0.0
End Time : 19.99 min
Plot Offset: 19 mV

Sample #: 500mg/L
Date : 4/28/04 12:38 PM
Time of Injection: 4/28/04 11:55 AM
Low Point : 19.19 mV
Plot Scale: 354.4 mV
High Point : 373.61 mV

Diesel



Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC249415	Batch#:	90701
Matrix:	Soil	Prepared:	04/28/04
Units:	mg/Kg	Analyzed:	04/28/04
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.11	45.76	91	56-129

Surrogate	%REC	Limits
Hexacosane	100	52-131

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	90701
MSS Lab ID:	171974-005	Sampled:	04/24/04
Matrix:	Soil	Received:	04/28/04
Units:	mg/Kg	Prepared:	04/28/04
Basis:	as received	Analyzed:	04/29/04
Diln Fac:	1.000		

Type: MS Lab ID: QC249418

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<0.3200	50.14	36.20	72	27-146

Surrogate	%REC	Limits
Hexacosane	79	52-131

Type: MSD Lab ID: QC249419

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.77	36.54	73	27-146	2	50

Surrogate	%REC	Limits
Hexacosane	80	52-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-3-0	Basis:	as received
Lab ID:	171973-001	Diln Fac:	1.000
Matrix:	Miscell.	Sampled:	04/27/04
Units:	mg/Kg	Received:	04/27/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.4	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Arsenic	5.8	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Barium	110	0.39	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Beryllium	0.16	0.079	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cadmium	ND	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Chromium	22	0.39	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cobalt	4.6	0.79	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Copper	21	0.39	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Lead	7.4	0.12	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Mercury	ND	0.019	90752	04/30/04	04/30/04	METHOD	EPA 7471
Molybdenum	ND	0.79	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Nickel	26	0.79	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Selenium	0.21	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Silver	ND	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Thallium	ND	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Vanadium	46	0.39	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Zinc	53	0.79	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-1-0	Basis:	as received
Lab ID:	171973-002	Dilu Fac:	1.000
Matrix:	Miscell.	Sampled:	04/27/04
Units:	mg/Kg	Received:	04/27/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	3.1	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Arsenic	3.9	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Barium	68	0.51	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Beryllium	0.17	0.10	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cadmium	ND	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Chromium	19	0.51	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cobalt	5.8	1.0	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Copper	9.1	0.51	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Lead	16	0.15	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Mercury	0.039	0.020	90752	04/30/04	04/30/04	METHOD	EPA 7471
Molybdenum	ND	1.0	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Nickel	33	1.0	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Selenium	ND	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Silver	ND	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Thallium	ND	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Vanadium	20	0.51	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Zinc	71	1.0	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-1-1.5	Basis:	as received
Lab ID:	171973-003	Diln Fac:	1.000
Matrix:	Miscell.	Sampled:	04/27/04
Units:	mg/Kg	Received:	04/27/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.7	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Arsenic	3.9	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Barium	160	0.45	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Beryllium	0.40	0.091	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cadmium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Chromium	16	0.45	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cobalt	5.1	0.91	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Copper	80	0.45	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Lead	95	0.14	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Mercury	0.025	0.020	90752	04/30/04	04/30/04	METHOD	EPA 7471
Molybdenum	ND	0.91	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Nickel	19	0.91	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Selenium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Silver	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Thallium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Vanadium	26	0.45	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Zinc	96	0.91	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-4-0	Basis:	as received
Lab ID:	171973-004	Diln Fac:	1.000
Matrix:	Miscell.	Sampled:	04/27/04
Units:	mg/Kg	Received:	04/27/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.8	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Arsenic	4.2	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Barium	92	0.46	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Beryllium	0.24	0.093	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cadmium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Chromium	50	0.46	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cobalt	6.5	0.93	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Copper	21	0.46	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Lead	50	0.14	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Mercury	0.090	0.018	90752	04/30/04	04/30/04	METHOD	EPA 7471
Molybdenum	ND	0.93	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Nickel	34	0.93	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Selenium	0.33	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Silver	3.2	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Thallium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Vanadium	25	0.46	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Zinc	58	0.93	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

9.0

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09171.02	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC249277	Batch#:	90664
Matrix:	Soil	Prepared:	04/27/04
Units:	mg/Kg	Analyzed:	04/27/04
Basis:	as received		

Analyte	Result	RL
Antimony	ND	3.0
Arsenic	ND	0.25
Barium	ND	0.50
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.50
Cobalt	ND	1.0
Copper	ND	0.50
Lead	ND	0.15
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	0.25
Silver	ND	0.25
Thallium	ND	0.25
Vanadium	ND	0.50
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09171.02	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC249600	Batch#:	90752
Matrix:	Soil	Prepared:	04/30/04
Units:	mg/Kg	Analyzed:	04/30/04

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09171.02	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	90664
MSS Lab ID:	171972-006	Sampled:	04/27/04
Matrix:	Soil	Received:	04/27/04
Units:	mg/Kg	Prepared:	04/27/04
Basis:	as received	Analyzed:	04/27/04
Diln Fac:	1.000		

Type: MS Lab ID: QC249280

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	1.347	106.4	27.45	25	1-120
Arsenic	4.298	53.19	48.94	84	57-120
Barium	92.56	106.4	247.9	146 *	52-134
Beryllium	0.3570	2.660	2.649	86	65-120
Cadmium	0.1054	10.64	7.713	72	57-120
Chromium	23.93	106.4	111.7	83	55-120
Cobalt	6.818	26.60	28.62	82	52-120
Copper	7.893	13.30	23.30	116	47-143
Lead	5.165	106.4	87.23	77	42-125
Molybdenum	0.7769	21.28	16.60	74	45-120
Nickel	31.53	26.60	60.64	109	36-138
Selenium	0.5579	53.19	42.23	78	42-120
Silver	<0.02200	10.64	8.883	84	66-120
Thallium	<0.1200	53.19	40.64	76	48-120
Vanadium	18.60	26.60	44.47	97	45-136
Zinc	28.97	26.60	57.98	109	34-139

Type: MSD Lab ID: QC249281

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	104.2	30.16	28	1-120	11	44
Arsenic	52.08	47.14	82	57-120	2	28
Barium	104.2	182.3	86	52-134	29 *	20
Beryllium	2.604	2.542	84	65-120	2	20
Cadmium	10.42	7.552	71	57-120	0	20
Chromium	104.2	104.2	77	55-120	5	20
Cobalt	26.04	26.93	77	52-120	4	20
Copper	13.02	20.36	96	47-143	12	21
Lead	104.2	85.42	77	42-125	0	30
Molybdenum	20.83	16.72	77	45-120	3	20
Nickel	26.04	53.65	85	36-138	11	24
Selenium	52.08	41.41	78	42-120	0	23
Silver	10.42	8.646	83	66-120	1	20
Thallium	52.08	39.84	77	48-120	0	25
Vanadium	26.04	39.79	81	45-136	10	20
Zinc	26.04	55.73	103	34-139	3	24

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

16.0

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09171.02	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	90752
MSS Lab ID:	171685-002	Sampled:	04/12/04
Matrix:	Soil	Received:	04/12/04
Units:	mg/Kg	Prepared:	04/30/04
Basis:	as received	Analyzed:	04/30/04

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC249603	0.1017	0.4464	0.5643	104	74-131		
MSD	QC249604		0.4717	0.5585	97	74-131	6	22

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-7 Lab ID: 171165-001
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	98	80-139	EPA 8015B
Trifluorotoluene (PID)	89	55-139	EPA 8021B
Bromofluorobenzene (PID)	91	62-134	EPA 8021B

Field ID: GW-6 Lab ID: 171165-002
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	97	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	90	62-134	EPA 8021B

Field ID: GW-6D Lab ID: 171165-003
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	95	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	87	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-5 Lab ID: 171165-004
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	97	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	88	62-134	EPA 8021B

Field ID: GW-4 Lab ID: 171165-005
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	95	80-139	EPA 8015B
Trifluorotoluene (PID)	87	55-139	EPA 8021B
Bromofluorobenzene (PID)	87	62-134	EPA 8021B

Field ID: GW-3 Lab ID: 171165-006
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	970	50	EPA 8015B
Benzene	48	0.50	EPA 8021B
Toluene	93	0.50	EPA 8021B
Ethylbenzene	42	0.50	EPA 8021B
m,p-Xylenes	84	0.50	EPA 8021B
o-Xylene	6.7	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	74-142	EPA 8015B
Bromofluorobenzene (FID)	103	80-139	EPA 8015B
Trifluorotoluene (PID)	95	55-139	EPA 8021B
Bromofluorobenzene (PID)	90	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-2 Lab ID: 171165-007
Type: SAMPLE Diln Fac: 200.0

Analyte	Result	RL	Analysis
Gasoline C7-C12	970,000	10,000	EPA 8015B
Benzene	23,000	100	EPA 8021B
Toluene	33,000 C	100	EPA 8021B
Ethylbenzene	22,000	100	EPA 8021B
m,p-Xylenes	61,000	100	EPA 8021B
o-Xylene	18,000	100	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	115	74-142	EPA 8015B
Bromofluorobenzene (FID)	98	80-139	EPA 8015B
Trifluorotoluene (PID)	107	55-139	EPA 8021B
Bromofluorobenzene (PID)	84	62-134	EPA 8021B

Field ID: GW-1 Lab ID: 171165-008
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	96	80-139	EPA 8015B
Trifluorotoluene (PID)	85	55-139	EPA 8021B
Bromofluorobenzene (PID)	88	62-134	EPA 8021B

Type: BLANK Diln Fac: 1.000
Lab ID: QC244473

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	74-142	EPA 8015B
Bromofluorobenzene (FID)	93	80-139	EPA 8015B
Trifluorotoluene (PID)	83	55-139	EPA 8021B
Bromofluorobenzene (PID)	82	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC244474	Batch#:	89381
Matrix:	Water	Analyzed:	03/17/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,075	104	80-120
Benzene		NA		
Toluene		NA		
Ethylbenzene		NA		
m,p-Xylenes		NA		
o-Xylene		NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		104	74-142
Bromofluorobenzene (FID)		97	80-139
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

NA= Not Analyzed

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC244483	Batch#:	89381
Matrix:	Water	Analyzed:	03/17/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12		NA		
Benzene	20.00	17.82	89	80-120
Toluene	20.00	17.52	88	80-120
Ethylbenzene	20.00	17.41	87	80-120
m,p-Xylenes	40.00	35.14	88	80-120
o-Xylene	20.00	16.94	85	80-120

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		81	55-139
Bromofluorobenzene (PID)		81	62-134

NA= Not Analyzed

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	89381
MSS Lab ID:	171196-007	Sampled:	03/16/04
Matrix:	Water	Received:	03/17/04
Units:	ug/L	Analyzed:	03/17/04
Diln Fac:	1.000		

Type: MS Lab ID: QC244587

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	13.47	2,000	2,020	100	80-120
Benzene			NA		
Toluene			NA		
Ethylbenzene			NA		
m,p-Xylenes			NA		
o-Xylene			NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		108	74-142
Bromofluorobenzene (FID)		96	80-139
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

Type: MSD Lab ID: QC244588

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,001	99	80-120	1	20
Benzene		NA				
Toluene		NA				
Ethylbenzene		NA				
m,p-Xylenes		NA				
o-Xylene		NA				

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		108	74-142
Bromofluorobenzene (FID)		96	80-139
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

NA= Not Analyzed
RPD= Relative Percent Difference

7.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-6-5
Type: SAMPLE
Lab ID: 171165-010

Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	71-138	EPA 8015B
Bromofluorobenzene (FID)	122	73-143	EPA 8015B
Trifluorotoluene (PID)	86	55-135	EPA 8021B
Bromofluorobenzene (PID)	109	58-135	EPA 8021B

Field ID: SB-4-1
Type: SAMPLE
Lab ID: 171165-011

Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	71-138	EPA 8015B
Bromofluorobenzene (FID)	125	73-143	EPA 8015B
Trifluorotoluene (PID)	87	55-135	EPA 8021B
Bromofluorobenzene (PID)	113	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-4-4.5
Type: SAMPLE
Lab ID: 171165-012
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	71-138	EPA 8015B
Bromofluorobenzene (FID)	117	73-143	EPA 8015B
Trifluorotoluene (PID)	82	55-135	EPA 8021B
Bromofluorobenzene (PID)	106	58-135	EPA 8021B

Field ID: SB-5-1.5
Type: SAMPLE
Lab ID: 171165-013
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	ND	5.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.5	ug/Kg	EPA 8021B
o-Xylene	ND	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	83	71-138	EPA 8015B
Bromofluorobenzene (FID)	109	73-143	EPA 8015B
Trifluorotoluene (PID)	76	55-135	EPA 8021B
Bromofluorobenzene (PID)	97	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

12.2

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-5-5.5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-014

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	71-138	EPA 8015B
Bromofluorobenzene (FID)	117	73-143	EPA 8015B
Trifluorotoluene (PID)	83	55-135	EPA 8021B
Bromofluorobenzene (PID)	104	58-135	EPA 8021B

Field ID: SB-3-3.0 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-015

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	89	71-138	EPA 8015B
Bromofluorobenzene (FID)	123	73-143	EPA 8015B
Trifluorotoluene (PID)	78	55-135	EPA 8021B
Bromofluorobenzene (PID)	101	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-3-5.5
Type: SAMPLE
Lab ID: 171165-016
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	1.2	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	71-138	EPA 8015B
Bromofluorobenzene (FID)	115	73-143	EPA 8015B
Trifluorotoluene (PID)	71	55-135	EPA 8021B
Bromofluorobenzene (PID)	92	58-135	EPA 8021B

Field ID: SB-2-1
Type: SAMPLE
Lab ID: 171165-017

Analyte	Result	RL	Units	Batch#	Analyzed	Analysis
Gasoline C7-C12	30	1.1	mg/Kg	89379	03/17/04	EPA 8015B
Benzene	860	5.4	ug/Kg	89483	03/20/04	EPA 8021B
Toluene	140 C	5.5	ug/Kg	89379	03/17/04	EPA 8021B
Ethylbenzene	680	5.5	ug/Kg	89379	03/17/04	EPA 8021B
m,p-Xylenes	1,500	5.5	ug/Kg	89379	03/17/04	EPA 8021B
o-Xylene	570	5.5	ug/Kg	89379	03/17/04	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	111	71-138	89379	03/17/04	EPA 8015B
Bromofluorobenzene (FID)	121	73-143	89379	03/17/04	EPA 8015B
Trifluorotoluene (PID)	101	55-135	89379	03/17/04	EPA 8021B
Bromofluorobenzene (PID)	104	58-135	89379	03/17/04	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-2-4.5
Type: SAMPLE
Lab ID: 171165-018
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	71-138	EPA 8015B
Bromofluorobenzene (FID)	119	73-143	EPA 8015B
Trifluorotoluene (PID)	83	55-135	EPA 8021B
Bromofluorobenzene (PID)	107	58-135	EPA 8021B

Field ID: SB-1-1.5
Type: SAMPLE
Lab ID: 171165-019
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	71-138	EPA 8015B
Bromofluorobenzene (FID)	129	73-143	EPA 8015B
Trifluorotoluene (PID)	88	55-135	EPA 8021B
Bromofluorobenzene (PID)	114	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-1-5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-020

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	71-138	EPA 8015B
Bromofluorobenzene (FID)	122	73-143	EPA 8015B
Trifluorotoluene (PID)	85	55-135	EPA 8021B
Bromofluorobenzene (PID)	109	58-135	EPA 8021B

Type: BLANK Batch#: 89379
Lab ID: QC244467 Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.20	mg/Kg	EPA 8015B
Benzene	ND	1.0	ug/Kg	EPA 8021B
Toluene	ND	1.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	1.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	1.0	ug/Kg	EPA 8021B
o-Xylene	ND	1.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	71-138	EPA 8015B
Bromofluorobenzene (FID)	104	73-143	EPA 8015B
Trifluorotoluene (PID)	73	55-135	EPA 8021B
Bromofluorobenzene (PID)	93	58-135	EPA 8021B

Type: BLANK Batch#: 89483
Lab ID: QC244891 Analyzed: 03/20/04
Units: ug/Kg

Analyte	Result	RL	Analysis
Benzene	ND	5.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	80	71-138	EPA 8015B
Bromofluorobenzene (FID)	85	73-143	EPA 8015B
Trifluorotoluene (PID)	85	55-135	EPA 8021B
Bromofluorobenzene (PID)	90	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

12.2

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC244468	Diln Fac:	1.000
Matrix:	Soil	Batch#:	89379
Units:	ug/Kg	Analyzed:	03/17/04

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12		NA		
Benzene	100.0	101.4	101	80-120
Toluene	100.0	95.50	96	80-120
Ethylbenzene	100.0	94.33	94	79-120
m,p-Xylenes	200.0	171.7	86	80-120
o-Xylene	100.0	95.14	95	80-120

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		76	55-135
Bromofluorobenzene (PID)		96	58-135

NA= Not Analyzed

13.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC244469	Diln Fac:	1.000
Matrix:	Soil	Batch#:	89379
Units:	mg/Kg	Analyzed:	03/17/04

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.06	101	80-120
Benzene		NA		
Toluene		NA		
Ethylbenzene		NA		
m,p-Xylenes		NA		
o-Xylene		NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		101	71-138
Bromofluorobenzene (FID)		114	73-143
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

NA= Not Analyzed

Curtis & Tompkins, Ltd.
Analytical Laboratories. Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	171183-005	Batch#:	89379
Matrix:	Soil	Sampled:	03/16/04
Units:	mg/Kg	Received:	03/17/04
Basis:	as received		

Type: MS Analyzed: 03/17/04
Lab ID: QC244521

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.01400	2.114	1.678	79	47-120
Benzene			NA		
Toluene			NA		
Ethylbenzene			NA		
m,p-Xylenes			NA		
o-Xylene			NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		126	71-138
Bromofluorobenzene (FID)		129	73-143
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

Type: MSD Analyzed: 03/18/04
Lab ID: QC244522

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2.169	1.806	83	47-120	5	23
Benzene		NA				
Toluene		NA				
Ethylbenzene		NA				
m,p-Xylenes		NA				
o-Xylene		NA				

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		130	71-138
Bromofluorobenzene (FID)		132	73-143
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

NA= Not Analyzed
RPD= Relative Percent Difference

15.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC244893	Diln Fac:	1.000
Matrix:	Soil	Batch#:	89483
Units:	ug/Kg	Analyzed:	03/20/04

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	96.45	96	80-120

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		112	55-135
Bromofluorobenzene (PID)		116	58-135

NA= Not Analyzed

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8021B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	171138-017	Batch#:	89483
Matrix:	Soil	Sampled:	03/12/04
Units:	ug/Kg	Received:	03/12/04
Basis:	as received	Analyzed:	03/20/04

Type: MS Lab ID: QC244894

Analyte	MSS Result	Spiked	Result	%REC	Limits
Benzene	4.428	108.7	105.2	93	62-120

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		107	55-135
Bromofluorobenzene (PID)		111	58-135

Type: MSD Lab ID: QC244895

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	108.7	104.9	92	62-120	0	20

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		105	55-135
Bromofluorobenzene (PID)		113	58-135

NA= Not Analyzed
RPD= Relative Percent Difference

17.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.02	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89405	Prepared:	03/17/04

Field ID: GW-7
Type: SAMPLE
Lab ID: 171165-001
Diln Fac: 50.00
Analyzed: 03/20/04

Analyte	Result	RL
Diesel C10-C24	350,000 H Y	2,500

Surrogate	%REC	Limits
Hexacosane	DO	53-142

Field ID: GW-6
Type: SAMPLE
Lab ID: 171165-002
Diln Fac: 1.000
Analyzed: 03/19/04

Analyte	Result	RL
Diesel C10-C24	600 H Y	50

Surrogate	%REC	Limits
Hexacosane	54	53-142

Field ID: GW-6D
Type: SAMPLE
Lab ID: 171165-003
Diln Fac: 1.000
Analyzed: 03/19/04

Analyte	Result	RL
Diesel C10-C24	970 H Y	50

Surrogate	%REC	Limits
Hexacosane	82	53-142

Field ID: GW-5
Type: SAMPLE
Lab ID: 171165-004
Diln Fac: 1.000
Analyzed: 03/19/04

Analyte	Result	RL
Diesel C10-C24	640 H Y	50

Surrogate	%REC	Limits
Hexacosane	100	53-142

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.02	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89405	Prepared:	03/17/04

Field ID: GW-4 Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/19/04
Lab ID: 171165-005

Analyte	Result	RL
Diesel C10-C24	310 H Y	50

Surrogate	%REC	Limits
Hexacosane	87	53-142

Field ID: GW-3 Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/19/04
Lab ID: 171165-006

Analyte	Result	RL
Diesel C10-C24	3,800 H Y	50

Surrogate	%REC	Limits
Hexacosane	114	53-142

Field ID: GW-1 Diln Fac: 1.000
Type: SAMPLE Analyzed: 03/19/04
Lab ID: 171165-008

Analyte	Result	RL
Diesel C10-C24	260 Y	50

Surrogate	%REC	Limits
Hexacosane	93	53-142

Type: BLANK Analyzed: 03/20/04
Lab ID: QC244572 Cleanup Method: EPA 3630C
Diln Fac: 1.000

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	121	53-142

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC244573	Batch#:	89405
Matrix:	Water	Prepared:	03/17/04
Units:	ug/L	Analyzed:	03/19/04

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,397	96	57-128

Surrogate	%REC	Limits
Hexacosane	120	53-142

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	89405
MSS Lab ID:	171164-005	Sampled:	03/15/04
Matrix:	Water	Received:	03/16/04
Units:	ug/L	Prepared:	03/17/04
Diln Fac:	1.000	Analyzed:	03/19/04

Type: MS Lab ID: QC244574

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	3,160	2,500	3,895	29 *	47-139

Surrogate	%REC	Limits
Hexacosane	97	53-142

Type: MSD Lab ID: QC244575

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	3,781	25 *	47-139	3	45

Surrogate	%REC	Limits
Hexacosane	95	53-142

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09171.02	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/15/04
Units:	mg/Kg	Received:	03/16/04
Basis:	as received	Prepared:	03/18/04
Batch#:	89434		

Field ID: SB-6-5 | Diln Fac: 1.000
Type: SAMPLE | Analyzed: 03/19/04
Lab ID: 171165-010

Analyte	Result	RL
Diesel C10-C24	4.5 H Y	0.99

Surrogate	%REC	Limits
Hexacosane	103	52-131

Field ID: SB-4-1 | Diln Fac: 1.000
Type: SAMPLE | Analyzed: 03/19/04
Lab ID: 171165-011

Analyte	Result	RL
Diesel C10-C24	8.4 H Y	1.0

Surrogate	%REC	Limits
Hexacosane	104	52-131

Field ID: SB-4-4.5 | Diln Fac: 1.000
Type: SAMPLE | Analyzed: 03/19/04
Lab ID: 171165-012

Analyte	Result	RL
Diesel C10-C24	5.5 H Y	1.0

Surrogate	%REC	Limits
Hexacosane	100	52-131

Field ID: SB-5-1.5 | Diln Fac: 1.000
Type: SAMPLE | Analyzed: 03/19/04
Lab ID: 171165-013

Analyte	Result	RL
Diesel C10-C24	2.6 Y	1.0

Surrogate	%REC	Limits
Hexacosane	99	52-131

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09171.02	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/15/04
Units:	mg/Kg	Received:	03/16/04
Basis:	as received	Prepared:	03/18/04
Batch#:	89434		

Field ID: SB-5-5.5
Type: SAMPLE
Lab ID: 171165-014
Diln Fac: 1.000
Analyzed: 03/19/04

Analyte	Result	RL
Diesel C10-C24	1.3 Y	1.0

Surrogate	%REC	Limits
Hexacosane	101	52-131

Field ID: SB-3-3.0
Type: SAMPLE
Lab ID: 171165-015
Diln Fac: 3.000
Analyzed: 03/20/04

Analyte	Result	RL
Diesel C10-C24	130 H Y	3.0

Surrogate	%REC	Limits
Hexacosane	90	52-131

Field ID: SB-3-5.5
Type: SAMPLE
Lab ID: 171165-016
Diln Fac: 1.000
Analyzed: 03/20/04

Analyte	Result	RL
Diesel C10-C24	7.0 H Y	1.0

Surrogate	%REC	Limits
Hexacosane	122	52-131

Field ID: SB-2-1
Type: SAMPLE
Lab ID: 171165-017
Diln Fac: 5.000
Analyzed: 03/20/04

Analyte	Result	RL
Diesel C10-C24	33 H Y	5.0

Surrogate	%REC	Limits
Hexacosane	88	52-131

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09171.02	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/15/04
Units:	mg/Kg	Received:	03/16/04
Basis:	as received	Prepared:	03/18/04
Batch#:	89434		

Field ID:	SB-2-4.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	03/19/04
Lab ID:	171165-018		

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	97	52-131

Field ID:	SB-1-1.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	03/19/04
Lab ID:	171165-019		

Analyte	Result	RL
Diesel C10-C24	2.8 Y	1.0

Surrogate	%REC	Limits
Hexacosane	93	52-131

Field ID:	SB-1-5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	03/19/04
Lab ID:	171165-020		

Analyte	Result	RL
Diesel C10-C24	3.0 Y	0.99

Surrogate	%REC	Limits
Hexacosane	104	52-131

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC244683	Analyzed:	03/19/04

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	115	52-131

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

18.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC244684	Batch#:	89434
Matrix:	Soil	Prepared:	03/18/04
Units:	mg/Kg	Analyzed:	03/18/04
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.61	55.45	112	56-129

Surrogate	%REC	Limits
Hexacosane	118	52-131

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3550
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	89434
MSS Lab ID:	171159-004	Sampled:	03/12/04
Matrix:	Soil	Received:	03/15/04
Units:	mg/Kg	Prepared:	03/18/04
Basis:	as received	Analyzed:	03/18/04
Diln Fac:	1.000		

Type: MS Lab ID: QC244685

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	1.348	50.33	54.59	106	27-146

Surrogate	%REC	Limits
Hexacosane	110	52-131

Type: MSD Lab ID: QC244686

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.26	57.20	111	27-146	5	50

Surrogate	%REC	Limits
Hexacosane	115	52-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Field ID:	GW-7	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-001	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	1.1	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Field ID:	GW-6	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-002	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	29	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120

Field ID:	GW-6D	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-003	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	55	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120

Field ID:	GW-5	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-004	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	21	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120

Field ID:	GW-4	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-005	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Field ID: GW-3 | Diln Fac: 1.000
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-006 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: GW-2 | Diln Fac: 833.3
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-007 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	420

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: GW-1 | Diln Fac: 1.000
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-008 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120

Type: BLANK | Batch#: 89380
Lab ID: QC244471 | Analyzed: 03/17/04
Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120

Type: BLANK | Batch#: 89380
Lab ID: QC244472 | Analyzed: 03/17/04
Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Type:	BLANK	Batch#:	89411
Lab ID:	QC244601	Analyzed:	03/18/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Type:	BLANK	Batch#:	89411
Lab ID:	QC244602	Analyzed:	03/18/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC244470	Batch#:	89380
Matrix:	Water	Analyzed:	03/17/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	49.39	99	76-123

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-120

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	89380
MSS Lab ID:	171164-005	Sampled:	03/15/04
Matrix:	Water	Received:	03/16/04
Units:	ug/L	Analyzed:	03/17/04
Diln Fac:	33.33		

Type: MS Lab ID: QC244475

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	22.32	1,667	1,743	103	77-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120

Type: MSD Lab ID: QC244476

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	1,667	1,844	109	77-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120

RPD= Relative Percent Difference

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	89411
Units:	ug/L	Analyzed:	03/18/04
Diln Fac:	1.000		

Type: BS Lab ID: QC244599

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	51.31	103	76-123

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Type: BSD Lab ID: QC244600

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	55.55	111	76-123	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-6-5 Lab ID: 171165-010
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: SB-4-1 Lab ID: 171165-011
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: SB-4-4.5 Lab ID: 171165-012
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

Field ID: SB-5-1.5 Lab ID: 171165-013
Type: SAMPLE Diln Fac: 0.9091

Analyte	Result	RL
MTBE	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120

Field ID: SB-5-5.5 Lab ID: 171165-014
Type: SAMPLE Diln Fac: 0.9615

Analyte	Result	RL
MTBE	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

ND= Not Detected
RL= Reporting Limit

1.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-3-3.0 Lab ID: 171165-015
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Field ID: SB-3-5.5 Lab ID: 171165-016
Type: SAMPLE Diln Fac: 0.8929

Analyte	Result	RL
MTBE	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

Field ID: SB-2-1 Lab ID: 171165-017
Type: SAMPLE Diln Fac: 0.9259

Analyte	Result	RL
MTBE	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Field ID: SB-2-4.5 Lab ID: 171165-018
Type: SAMPLE Diln Fac: 0.9615

Analyte	Result	RL
MTBE	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120

Field ID: SB-1-1.5 Lab ID: 171165-019
Type: SAMPLE Diln Fac: 0.9259

Analyte	Result	RL
MTBE	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-1-5
Type: SAMPLE
Lab ID: 171165-020
Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Type: BLANK
Lab ID: QC244357
Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120

ND= Not Detected
RL= Reporting Limit

1.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC244381	Dil'n Fac:	1.000
Matrix:	Soil	Batch#:	89351
Units:	ug/Kg	Analyzed:	03/16/04

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	52.23	104	74-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	GW-8	Sampled:	03/24/04
Matrix:	Water	Received:	03/24/04
Units:	ug/L	Prepared:	03/24/04
Diln Fac:	1.000	Analyzed:	03/25/04
Batch#:	89602		

Type: SAMPLE Lab ID: 171311-001

Analyte	Result	RL
Diesel C10-C24	680 Y	45

Surrogate	%REC	Limits
Hexacosane	73	53-142

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC245359

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	104	53-142

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC245360	Batch#:	89602
Matrix:	Water	Prepared:	03/24/04
Units:	ug/L	Analyzed:	03/25/04

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,358	94	57-128

Surrogate	%REC	Limits
Hexacosane	111	53-142

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	89583
Units:	ug/L	Analyzed:	03/24/04
Diln Fac:	1.000		

Type: BS Lab ID: QC245282

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	50.12	100	76-123
Benzene	50.00	44.39	89	80-120
Toluene	50.00	45.14	90	80-120
Ethylbenzene	50.00	46.51	93	80-121
m,p-Xylenes	100.0	97.23	97	80-122
o-Xylene	50.00	47.83	96	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	80-124
Toluene-d8	99	80-120
Bromofluorobenzene	82	80-120

Type: BSD Lab ID: QC245283

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	47.01	94	76-123	6	20
Benzene	50.00	42.96	86	80-120	3	20
Toluene	50.00	44.82	90	80-120	1	20
Ethylbenzene	50.00	45.26	91	80-121	3	20
m,p-Xylenes	100.0	94.74	95	80-122	3	20
o-Xylene	50.00	46.57	93	80-120	3	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	83	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC245285	Batch#:	89583
Matrix:	Water	Analyzed:	03/24/04
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	92	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	91	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-6-5
Type: SAMPLE
Lab ID: 171165-010

Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	71-138	EPA 8015B
Bromofluorobenzene (FID)	122	73-143	EPA 8015B
Trifluorotoluene (PID)	86	55-135	EPA 8021B
Bromofluorobenzene (PID)	109	58-135	EPA 8021B

Field ID: SB-4-1
Type: SAMPLE
Lab ID: 171165-011

Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	71-138	EPA 8015B
Bromofluorobenzene (FID)	125	73-143	EPA 8015B
Trifluorotoluene (PID)	87	55-135	EPA 8021B
Bromofluorobenzene (PID)	113	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-4-4.5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-012

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	71-138	EPA 8015B
Bromofluorobenzene (FID)	117	73-143	EPA 8015B
Trifluorotoluene (PID)	82	55-135	EPA 8021B
Bromofluorobenzene (PID)	106	58-135	EPA 8021B

Field ID: SB-5-1.5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-013

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	ND	5.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.5	ug/Kg	EPA 8021B
o-Xylene	ND	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	83	71-138	EPA 8015B
Bromofluorobenzene (FID)	109	73-143	EPA 8015B
Trifluorotoluene (PID)	76	55-135	EPA 8021B
Bromofluorobenzene (PID)	97	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-5-5.5
Type: SAMPLE
Lab ID: 171165-014
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	71-138	EPA 8015B
Bromofluorobenzene (FID)	117	73-143	EPA 8015B
Trifluorotoluene (PID)	83	55-135	EPA 8021B
Bromofluorobenzene (PID)	104	58-135	EPA 8021B

Field ID: SB-3-3.0
Type: SAMPLE
Lab ID: 171165-015
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	89	71-138	EPA 8015B
Bromofluorobenzene (FID)	123	73-143	EPA 8015B
Trifluorotoluene (PID)	78	55-135	EPA 8021B
Bromofluorobenzene (PID)	101	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-3-5.5
Type: SAMPLE
Lab ID: 171165-016
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	1.2	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	71-138	EPA 8015B
Bromofluorobenzene (FID)	115	73-143	EPA 8015B
Trifluorotoluene (PID)	71	55-135	EPA 8021B
Bromofluorobenzene (PID)	92	58-135	EPA 8021B

Field ID: SB-2-1
Type: SAMPLE
Lab ID: 171165-017

Analyte	Result	RL	Units	Batch#	Analyzed	Analysis
Gasoline C7-C12	30	1.1	mg/Kg	89379	03/17/04	EPA 8015B
Benzene	860	5.4	ug/Kg	89483	03/20/04	EPA 8021B
Toluene	140 C	5.5	ug/Kg	89379	03/17/04	EPA 8021B
Ethylbenzene	680	5.5	ug/Kg	89379	03/17/04	EPA 8021B
m,p-Xylenes	1,500	5.5	ug/Kg	89379	03/17/04	EPA 8021B
o-Xylene	570	5.5	ug/Kg	89379	03/17/04	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	111	71-138	89379	03/17/04	EPA 8015B
Bromofluorobenzene (FID)	121	73-143	89379	03/17/04	EPA 8015B
Trifluorotoluene (PID)	101	55-135	89379	03/17/04	EPA 8021B
Bromofluorobenzene (PID)	104	58-135	89379	03/17/04	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-2-4.5
Type: SAMPLE
Lab ID: 171165-018
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	71-138	EPA 8015B
Bromofluorobenzene (FID)	119	73-143	EPA 8015B
Trifluorotoluene (PID)	83	55-135	EPA 8021B
Bromofluorobenzene (PID)	107	58-135	EPA 8021B

Field ID: SB-1-1.5
Type: SAMPLE
Lab ID: 171165-019
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	71-138	EPA 8015B
Bromofluorobenzene (FID)	129	73-143	EPA 8015B
Trifluorotoluene (PID)	88	55-135	EPA 8021B
Bromofluorobenzene (PID)	114	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-1-5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-020

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	71-138	EPA 8015B
Bromofluorobenzene (FID)	122	73-143	EPA 8015B
Trifluorotoluene (PID)	85	55-135	EPA 8021B
Bromofluorobenzene (PID)	109	58-135	EPA 8021B

Type: BLANK Batch#: 89379
Lab ID: QC244467 Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.20	mg/Kg	EPA 8015B
Benzene	ND	1.0	ug/Kg	EPA 8021B
Toluene	ND	1.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	1.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	1.0	ug/Kg	EPA 8021B
o-Xylene	ND	1.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	71-138	EPA 8015B
Bromofluorobenzene (FID)	104	73-143	EPA 8015B
Trifluorotoluene (PID)	73	55-135	EPA 8021B
Bromofluorobenzene (PID)	93	58-135	EPA 8021B

Type: BLANK Batch#: 89483
Lab ID: QC244891 Analyzed: 03/20/04
Units: ug/Kg

Analyte	Result	RL	Analysis
Benzene	ND	5.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	80	71-138	EPA 8015B
Bromofluorobenzene (FID)	85	73-143	EPA 8015B
Trifluorotoluene (PID)	85	55-135	EPA 8021B
Bromofluorobenzene (PID)	90	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-6-5 Lab ID: 171165-010
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: SB-4-1 Lab ID: 171165-011
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: SB-4-4.5 Lab ID: 171165-012
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

Field ID: SB-5-1.5 Lab ID: 171165-013
Type: SAMPLE Diln Fac: 0.9091

Analyte	Result	RL
MTBE	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120

Field ID: SB-5-5.5 Lab ID: 171165-014
Type: SAMPLE Diln Fac: 0.9615

Analyte	Result	RL
MTBE	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-3-3.0 Lab ID: 171165-015
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Field ID: SB-3-5.5 Lab ID: 171165-016
Type: SAMPLE Diln Fac: 0.8929

Analyte	Result	RL
MTBE	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

Field ID: SB-2-1 Lab ID: 171165-017
Type: SAMPLE Diln Fac: 0.9259

Analyte	Result	RL
MTBE	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Field ID: SB-2-4.5 Lab ID: 171165-018
Type: SAMPLE Diln Fac: 0.9615

Analyte	Result	RL
MTBE	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120

Field ID: SB-1-1.5 Lab ID: 171165-019
Type: SAMPLE Diln Fac: 0.9259

Analyte	Result	RL
MTBE	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-1-5 Lab ID: 171165-020
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Type: BLANK Diln Fac: 1.000
Lab ID: QC244357

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-7 Lab ID: 171165-001
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	98	80-139	EPA 8015B
Trifluorotoluene (PID)	89	55-139	EPA 8021B
Bromofluorobenzene (PID)	91	62-134	EPA 8021B

Field ID: GW-6 Lab ID: 171165-002
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	97	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	90	62-134	EPA 8021B

Field ID: GW-6D Lab ID: 171165-003
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	95	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	87	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-5 Lab ID: 171165-004
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	97	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	88	62-134	EPA 8021B

Field ID: GW-4 Lab ID: 171165-005
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	95	80-139	EPA 8015B
Trifluorotoluene (PID)	87	55-139	EPA 8021B
Bromofluorobenzene (PID)	87	62-134	EPA 8021B

Field ID: GW-3 Lab ID: 171165-006
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	970	50	EPA 8015B
Benzene	48	0.50	EPA 8021B
Toluene	93	0.50	EPA 8021B
Ethylbenzene	42	0.50	EPA 8021B
m,p-Xylenes	84	0.50	EPA 8021B
o-Xylene	6.7	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	74-142	EPA 8015B
Bromofluorobenzene (FID)	103	80-139	EPA 8015B
Trifluorotoluene (PID)	95	55-139	EPA 8021B
Bromofluorobenzene (PID)	90	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-2 Lab ID: 171165-007
Type: SAMPLE Diln Fac: 200.0

Analyte	Result	RL	Analysis
Gasoline C7-C12	970,000	10,000	EPA 8015B
Benzene	23,000	100	EPA 8021B
Toluene	33,000 C	100	EPA 8021B
Ethylbenzene	22,000	100	EPA 8021B
m,p-Xylenes	61,000	100	EPA 8021B
o-Xylene	18,000	100	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	115	74-142	EPA 8015B
Bromofluorobenzene (FID)	98	80-139	EPA 8015B
Trifluorotoluene (PID)	107	55-139	EPA 8021B
Bromofluorobenzene (PID)	84	62-134	EPA 8021B

Field ID: GW-1 Lab ID: 171165-008
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	96	80-139	EPA 8015B
Trifluorotoluene (PID)	85	55-139	EPA 8021B
Bromofluorobenzene (PID)	88	62-134	EPA 8021B

Type: BLANK Diln Fac: 1.000
Lab ID: QC244473

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	74-142	EPA 8015B
Bromofluorobenzene (FID)	93	80-139	EPA 8015B
Trifluorotoluene (PID)	83	55-139	EPA 8021B
Bromofluorobenzene (PID)	82	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Field ID: GW-7
Type: SAMPLE
Lab ID: 171165-001
Diln Fac: 1.000
Batch#: 89380
Analyzed: 03/17/04

Analyte	Result	RL
MTBE	1.1	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Field ID: GW-6
Type: SAMPLE
Lab ID: 171165-002
Diln Fac: 1.000
Batch#: 89380
Analyzed: 03/17/04

Analyte	Result	RL
MTBE	29	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120

Field ID: GW-6D
Type: SAMPLE
Lab ID: 171165-003
Diln Fac: 1.000
Batch#: 89380
Analyzed: 03/17/04

Analyte	Result	RL
MTBE	55	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120

Field ID: GW-5
Type: SAMPLE
Lab ID: 171165-004
Diln Fac: 1.000
Batch#: 89380
Analyzed: 03/17/04

Analyte	Result	RL
MTBE	21	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120

Field ID: GW-4
Type: SAMPLE
Lab ID: 171165-005
Diln Fac: 1.000
Batch#: 89380
Analyzed: 03/17/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Field ID: GW-3 | Diln Fac: 1.000
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-006 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: GW-2 | Diln Fac: 833.3
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-007 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	420

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: GW-1 | Diln Fac: 1.000
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-008 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120

Type: BLANK | Batch#: 89380
Lab ID: QC244471 | Analyzed: 03/17/04
Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120

Type: BLANK | Batch#: 89380
Lab ID: QC244472 | Analyzed: 03/17/04
Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Type:	BLANK	Batch#:	89411
Lab ID:	QC244601	Analyzed:	03/18/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Type:	BLANK	Batch#:	89411
Lab ID:	QC244602	Analyzed:	03/18/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
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Batch QC Report

Total Volatile Hydrocarbons

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	GW-8	Batch#:	89579
MSS Lab ID:	171311-001	Sampled:	03/24/04
Matrix:	Water	Received:	03/24/04
Units:	ug/L	Analyzed:	03/24/04
Diln Fac:	1.000		

Type: MS Lab ID: QC245363

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	27.12	2,000	2,128	105	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	139	74-142
Bromofluorobenzene (FID)	124	80-139

Type: MSD Lab ID: QC245364

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,089	103	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	74-142
Bromofluorobenzene (FID)	118	80-139

RPD= Relative Percent Difference

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Batch QC Report

Total Volatile Hydrocarbons

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC245272	Batch#:	89579
Matrix:	Water	Analyzed:	03/24/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,996	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	141	74-142
Bromofluorobenzene (FID)	112	80-139

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Total Volatile Hydrocarbons

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	GW-8	Batch#:	89579
Matrix:	Water	Sampled:	03/24/04
Units:	ug/L	Received:	03/24/04
Diln Fac:	1.000	Analyzed:	03/24/04

Type: SAMPLE Lab ID: 171311-001

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	74-142
Bromofluorobenzene (FID)	108	80-139

Type: BLANK Lab ID: QC245270

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	74-142
Bromofluorobenzene (FID)	105	80-139

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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Total Extractable Hydrocarbons

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	GW-8	Sampled:	03/24/04
Matrix:	Water	Received:	03/24/04
Units:	ug/L	Prepared:	03/24/04
Diln Fac:	1.000	Analyzed:	03/25/04
Batch#:	89602		

Type: SAMPLE Lab ID: 171311-001

Analyte	Result	RL
Diesel C10-C24	680 Y q	45

Surrogate	%REC	Limits
Hexacosane	73 q	53-142

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC245359

Analyte	Result	RL
Diesel C10-C24	ND q	50

Surrogate	%REC	Limits
Hexacosane	104 q	53-142

Y= Sample exhibits chromatographic pattern which does not resemble standard
q= Draft result - ending CCV not yet analyzed
ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
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Purgeable Aromatics by GC/MS

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Field ID:	GW-8	Batch#:	89583
Lab ID:	171311-001	Sampled:	03/24/04
Matrix:	Water	Received:	03/24/04
Units:	ug/L	Analyzed:	03/24/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	94	80-124
Toluene-d8	99	80-120
Bromofluorobenzene	92	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	89583
Units:	ug/L	Analyzed:	03/24/04
Diln Fac:	1.000		

Type: BS Lab ID: QC245282

Analyte	Spiked	Result	%REC	Limits
MTBE	50.00	50.12	100	76-123
Benzene	50.00	44.39	89	80-120
Toluene	50.00	45.14	90	80-120
Ethylbenzene	50.00	46.51	93	80-121
m,p-Xylenes	100.0	97.23	97	80-122
o-Xylene	50.00	47.83	96	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	80-124
Toluene-d8	99	80-120
Bromofluorobenzene	82	80-120

Type: BSD Lab ID: QC245283

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	47.01	94	76-123	6	20
Benzene	50.00	42.96	86	80-120	3	20
Toluene	50.00	44.82	90	80-120	1	20
Ethylbenzene	50.00	45.26	91	80-121	3	20
m,p-Xylenes	100.0	94.74	95	80-122	3	20
o-Xylene	50.00	46.57	93	80-120	3	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	83	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	171311	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC245285	Batch#:	89583
Matrix:	Water	Analyzed:	03/24/04
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	92	80-124
Toluene-d8	100	80-120
Bromofluorobenzene	91	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-6-5
Type: SAMPLE
Lab ID: 171165-010

Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	71-138	EPA 8015B
Bromofluorobenzene (FID)	122	73-143	EPA 8015B
Trifluorotoluene (PID)	86	55-135	EPA 8021B
Bromofluorobenzene (PID)	109	58-135	EPA 8021B

Field ID: SB-4-1
Type: SAMPLE
Lab ID: 171165-011

Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	71-138	EPA 8015B
Bromofluorobenzene (FID)	125	73-143	EPA 8015B
Trifluorotoluene (PID)	87	55-135	EPA 8021B
Bromofluorobenzene (PID)	113	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-4-4.5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-012

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	71-138	EPA 8015B
Bromofluorobenzene (FID)	117	73-143	EPA 8015B
Trifluorotoluene (PID)	82	55-135	EPA 8021B
Bromofluorobenzene (PID)	106	58-135	EPA 8021B

Field ID: SB-5-1.5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-013

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.5	ug/Kg	EPA 8021B
Toluene	ND	5.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.5	ug/Kg	EPA 8021B
o-Xylene	ND	5.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	83	71-138	EPA 8015B
Bromofluorobenzene (FID)	109	73-143	EPA 8015B
Trifluorotoluene (PID)	76	55-135	EPA 8021B
Bromofluorobenzene (PID)	97	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-5-5.5
Type: SAMPLE
Lab ID: 171165-014
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	71-138	EPA 8015B
Bromofluorobenzene (FID)	117	73-143	EPA 8015B
Trifluorotoluene (PID)	83	55-135	EPA 8021B
Bromofluorobenzene (PID)	104	58-135	EPA 8021B

Field ID: SB-3-3.0
Type: SAMPLE
Lab ID: 171165-015
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	89	71-138	EPA 8015B
Bromofluorobenzene (FID)	123	73-143	EPA 8015B
Trifluorotoluene (PID)	78	55-135	EPA 8021B
Bromofluorobenzene (PID)	101	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-3-5.5
Type: SAMPLE
Lab ID: 171165-016
Batch#: 89379
Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	1.2	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	71-138	EPA 8015B
Bromofluorobenzene (FID)	115	73-143	EPA 8015B
Trifluorotoluene (PID)	71	55-135	EPA 8021B
Bromofluorobenzene (PID)	92	58-135	EPA 8021B

Field ID: SB-2-1
Type: SAMPLE
Lab ID: 171165-017

Analyte	Result	RL	Units	Batch#	Analyzed	Analysis
Gasoline C7-C12	30	1.1	mg/Kg	89379	03/17/04	EPA 8015B
Benzene	860	5.4	ug/Kg	89483	03/20/04	EPA 8021B
Toluene	140 C	5.5	ug/Kg	89379	03/17/04	EPA 8021B
Ethylbenzene	680	5.5	ug/Kg	89379	03/17/04	EPA 8021B
m,p-Xylenes	1,500	5.5	ug/Kg	89379	03/17/04	EPA 8021B
o-Xylene	570	5.5	ug/Kg	89379	03/17/04	EPA 8021B

Surrogate	%REC	Limits	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	111	71-138	89379	03/17/04	EPA 8015B
Bromofluorobenzene (FID)	121	73-143	89379	03/17/04	EPA 8015B
Trifluorotoluene (PID)	101	55-135	89379	03/17/04	EPA 8021B
Bromofluorobenzene (PID)	104	58-135	89379	03/17/04	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-2-4.5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-018

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	71-138	EPA 8015B
Bromofluorobenzene (FID)	119	73-143	EPA 8015B
Trifluorotoluene (PID)	83	55-135	EPA 8021B
Bromofluorobenzene (PID)	107	58-135	EPA 8021B

Field ID: SB-1-1.5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-019

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	71-138	EPA 8015B
Bromofluorobenzene (FID)	129	73-143	EPA 8015B
Trifluorotoluene (PID)	88	55-135	EPA 8021B
Bromofluorobenzene (PID)	114	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Soil	Sampled:	03/15/04
Basis:	as received	Received:	03/16/04
Diln Fac:	1.000		

Field ID: SB-1-5 Batch#: 89379
Type: SAMPLE Analyzed: 03/17/04
Lab ID: 171165-020

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.98	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	71-138	EPA 8015B
Bromofluorobenzene (FID)	122	73-143	EPA 8015B
Trifluorotoluene (PID)	85	55-135	EPA 8021B
Bromofluorobenzene (PID)	109	58-135	EPA 8021B

Type: BLANK Batch#: 89379
Lab ID: QC244467 Analyzed: 03/17/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.20	mg/Kg	EPA 8015B
Benzene	ND	1.0	ug/Kg	EPA 8021B
Toluene	ND	1.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	1.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	1.0	ug/Kg	EPA 8021B
o-Xylene	ND	1.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	71-138	EPA 8015B
Bromofluorobenzene (FID)	104	73-143	EPA 8015B
Trifluorotoluene (PID)	73	55-135	EPA 8021B
Bromofluorobenzene (PID)	93	58-135	EPA 8021B

Type: BLANK Batch#: 89483
Lab ID: QC244891 Analyzed: 03/20/04
Units: ug/Kg

Analyte	Result	RL	Analysis
Benzene	ND	5.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	80	71-138	EPA 8015B
Bromofluorobenzene (FID)	85	73-143	EPA 8015B
Trifluorotoluene (PID)	85	55-135	EPA 8021B
Bromofluorobenzene (PID)	90	58-135	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

12.2

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-6-5 Lab ID: 171165-010
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: SB-4-1 Lab ID: 171165-011
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: SB-4-4.5 Lab ID: 171165-012
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

Field ID: SB-5-1.5 Lab ID: 171165-013
Type: SAMPLE Diln Fac: 0.9091

Analyte	Result	RL
MTBE	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120

Field ID: SB-5-5.5 Lab ID: 171165-014
Type: SAMPLE Diln Fac: 0.9615

Analyte	Result	RL
MTBE	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-3-3.0 Lab ID: 171165-015
Type: SAMPLE Diln Fac: 0.9804

Analyte	Result	RL
MTBE	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Field ID: SB-3-5.5 Lab ID: 171165-016
Type: SAMPLE Diln Fac: 0.8929

Analyte	Result	RL
MTBE	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120

Field ID: SB-2-1 Lab ID: 171165-017
Type: SAMPLE Diln Fac: 0.9259

Analyte	Result	RL
MTBE	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Field ID: SB-2-4.5 Lab ID: 171165-018
Type: SAMPLE Diln Fac: 0.9615

Analyte	Result	RL
MTBE	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120

Field ID: SB-1-1.5 Lab ID: 171165-019
Type: SAMPLE Diln Fac: 0.9259

Analyte	Result	RL
MTBE	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04
Batch#:	89351		

Field ID: SB-1-5 Lab ID: 171165-020
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120

Type: BLANK Diln Fac: 1.000
Lab ID: QC244357

Analyte	Result	RL
MTBE	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120

ND= Not Detected
RL= Reporting Limit

1.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-7 Lab ID: 171165-001
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	98	80-139	EPA 8015B
Trifluorotoluene (PID)	89	55-139	EPA 8021B
Bromofluorobenzene (PID)	91	62-134	EPA 8021B

Field ID: GW-6 Lab ID: 171165-002
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	97	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	90	62-134	EPA 8021B

Field ID: GW-6D Lab ID: 171165-003
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	95	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	87	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-5 Lab ID: 171165-004
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	97	80-139	EPA 8015B
Trifluorotoluene (PID)	88	55-139	EPA 8021B
Bromofluorobenzene (PID)	88	62-134	EPA 8021B

Field ID: GW-4 Lab ID: 171165-005
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	74-142	EPA 8015B
Bromofluorobenzene (FID)	95	80-139	EPA 8015B
Trifluorotoluene (PID)	87	55-139	EPA 8021B
Bromofluorobenzene (PID)	87	62-134	EPA 8021B

Field ID: GW-3 Lab ID: 171165-006
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	970	50	EPA 8015B
Benzene	48	0.50	EPA 8021B
Toluene	93	0.50	EPA 8021B
Ethylbenzene	42	0.50	EPA 8021B
m,p-Xylenes	84	0.50	EPA 8021B
o-Xylene	6.7	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	74-142	EPA 8015B
Bromofluorobenzene (FID)	103	80-139	EPA 8015B
Trifluorotoluene (PID)	95	55-139	EPA 8021B
Bromofluorobenzene (PID)	90	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04
Batch#:	89381	Analyzed:	03/17/04

Field ID: GW-2 Lab ID: 171165-007
Type: SAMPLE Diln Fac: 200.0

Analyte	Result	RL	Analysis
Gasoline C7-C12	970,000	10,000	EPA 8015B
Benzene	23,000	100	EPA 8021B
Toluene	33,000 C	100	EPA 8021B
Ethylbenzene	22,000	100	EPA 8021B
m,p-Xylenes	61,000	100	EPA 8021B
o-Xylene	18,000	100	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	115	74-142	EPA 8015B
Bromofluorobenzene (FID)	98	80-139	EPA 8015B
Trifluorotoluene (PID)	107	55-139	EPA 8021B
Bromofluorobenzene (PID)	84	62-134	EPA 8021B

Field ID: GW-1 Lab ID: 171165-008
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	74-142	EPA 8015B
Bromofluorobenzene (FID)	96	80-139	EPA 8015B
Trifluorotoluene (PID)	85	55-139	EPA 8021B
Bromofluorobenzene (PID)	88	62-134	EPA 8021B

Type: BLANK Diln Fac: 1.000
Lab ID: QC244473

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	74-142	EPA 8015B
Bromofluorobenzene (FID)	93	80-139	EPA 8015B
Trifluorotoluene (PID)	83	55-139	EPA 8021B
Bromofluorobenzene (PID)	82	62-134	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Field ID:	GW-7	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-001	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	1.1	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Field ID:	GW-6	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-002	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	29	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120

Field ID:	GW-6D	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-003	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	55	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120

Field ID:	GW-5	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-004	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	21	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120

Field ID:	GW-4	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	89380
Lab ID:	171165-005	Analyzed:	03/17/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Field ID: GW-3 | Diln Fac: 1.000
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-006 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: GW-2 | Diln Fac: 833.3
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-007 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	420

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120

Field ID: GW-1 | Diln Fac: 1.000
Type: SAMPLE | Batch#: 89411
Lab ID: 171165-008 | Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120

Type: BLANK | Batch#: 89380
Lab ID: QC244471 | Analyzed: 03/17/04
Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120

Type: BLANK | Batch#: 89380
Lab ID: QC244472 | Analyzed: 03/17/04
Diln Fac: 1.000

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-120

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171165	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/15/04
Units:	ug/L	Received:	03/16/04

Type:	BLANK	Batch#:	89411
Lab ID:	QC244601	Analyzed:	03/18/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Type:	BLANK	Batch#:	89411
Lab ID:	QC244602	Analyzed:	03/18/04
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Basis:	as received	Sampled:	04/27/04
Diln Fac:	1.000	Received:	04/27/04
Batch#:	90644		

Field ID: EX-3-0 Matrix: Miscell.
Type: SAMPLE Analyzed: 04/28/04
Lab ID: 171973-001

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.99	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	71-138	EPA 8015B
Bromofluorobenzene (FID)	112	73-143	EPA 8015B
Trifluorotoluene (PID)	87	55-135	EPA 8021B
Bromofluorobenzene (PID)	97	58-135	EPA 8021B

Field ID: EX-1-0 Matrix: Miscell.
Type: SAMPLE Analyzed: 04/28/04
Lab ID: 171973-002

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.7	ug/Kg	EPA 8021B
o-Xylene	ND	4.7	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	102	71-138	EPA 8015B
Bromofluorobenzene (FID)	114	73-143	EPA 8015B
Trifluorotoluene (PID)	86	55-135	EPA 8021B
Bromofluorobenzene (PID)	98	58-135	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02		
Basis:	as received	Sampled:	04/27/04
Diln Fac:	1.000	Received:	04/27/04
Batch#:	90644		

Field ID: EX-1-1.5
Type: SAMPLE
Lab ID: 171973-003
Matrix: Miscell.
Analyzed: 04/28/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.99	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	7.1	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	71-138	EPA 8015B
Bromofluorobenzene (FID)	115	73-143	EPA 8015B
Trifluorotoluene (PID)	87	55-135	EPA 8021B
Bromofluorobenzene (PID)	99	58-135	EPA 8021B

Field ID: EX-4-0
Type: SAMPLE
Lab ID: 171973-004
Matrix: Miscell.
Analyzed: 04/28/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	1.2	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	37	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	180	5.2	ug/Kg	EPA 8021B
o-Xylene	100	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	101	71-138	EPA 8015B
Bromofluorobenzene (FID)	110	73-143	EPA 8015B
Trifluorotoluene (PID)	84	55-135	EPA 8021B
Bromofluorobenzene (PID)	96	58-135	EPA 8021B

Type: BLANK
Lab ID: QC249212
Matrix: Soil
Analyzed: 04/27/04

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.20	mg/Kg	EPA 8015B
Benzene	ND	1.0	ug/Kg	EPA 8021B
Toluene	ND	1.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	1.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	1.0	ug/Kg	EPA 8021B
o-Xylene	ND	1.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	71-138	EPA 8015B
Bromofluorobenzene (FID)	107	73-143	EPA 8015B
Trifluorotoluene (PID)	92	55-135	EPA 8021B
Bromofluorobenzene (PID)	100	58-135	EPA 8021B

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	BS	Basis:	as received
Lab ID:	QC249213	Diln Fac:	1.000
Matrix:	Soil	Batch#:	90644
Units:	mg/Kg	Analyzed:	04/27/04

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.09	101	80-120
Benzene		NA		
Toluene		NA		
Ethylbenzene		NA		
m,p-Xylenes		NA		
o-Xylene		NA		

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		143 *	71-138
Bromofluorobenzene (FID)		116	73-143
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

*= Value outside of QC limits; see narrative
NA= Not Analyzed

3.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC249214	Diln Fac:	1.000
Matrix:	Soil	Batch#:	90644
Units:	ug/Kg	Analyzed:	04/27/04

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12		NA		
Benzene	20.00	19.48	97	80-120
Toluene	20.00	19.75	99	80-120
Ethylbenzene	20.00	20.46	102	79-120
m,p-Xylenes	20.00	20.01	100	80-120
o-Xylene	20.00	19.93	100	80-120

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		80	55-135
Bromofluorobenzene (PID)		89	58-135

NA= Not Analyzed

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	BSD	Basis:	as received
Lab ID:	QC249282	Diln Fac:	1.000
Matrix:	Soil	Batch#:	90644
Units:	mg/Kg	Analyzed:	04/27/04

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.00	10.54	105	80-120	4	20
Benzene		NA				
Toluene		NA				
Ethylbenzene		NA				
m,p-Xylenes		NA				
o-Xylene		NA				

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)		141 *	71-138
Bromofluorobenzene (FID)		113	73-143
Trifluorotoluene (PID)	NA		
Bromofluorobenzene (PID)	NA		

*= Value outside of QC limits; see narrative
NA= Not Analyzed
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.02	Analysis:	EPA 8015B
Units:	mg/Kg	Sampled:	04/27/04
Basis:	as received	Received:	04/27/04
Batch#:	90701	Prepared:	04/28/04

Field ID:	EX-3-0	Matrix:	Miscell.
Type:	SAMPLE	Diln Fac:	2.000
Lab ID:	171973-001	Analyzed:	04/29/04

Analyte	Result	RL
Diesel C10-C24	290 H Y	2.0

Surrogate	%REC	Limits
Hexacosane	86	52-131

Field ID:	EX-1-0	Matrix:	Miscell.
Type:	SAMPLE	Diln Fac:	1.000
Lab ID:	171973-002	Analyzed:	04/29/04

Analyte	Result	RL
Diesel C10-C24	13 H Y	1.0

Surrogate	%REC	Limits
Hexacosane	98	52-131

Field ID:	EX-1-1.5	Matrix:	Miscell.
Type:	SAMPLE	Diln Fac:	1.000
Lab ID:	171973-003	Analyzed:	04/29/04

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	88	52-131

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.02	Analysis:	EPA 8015B
Units:	mg/Kg	Sampled:	04/27/04
Basis:	as received	Received:	04/27/04
Batch#:	90701	Prepared:	04/28/04

Field ID:	EX-4-0	Matrix:	Miscell.
Type:	SAMPLE	Diln Fac:	10.00
Lab ID:	171973-004	Analyzed:	04/30/04

Analyte	Result	RL
Diesel C10-C24	620 H Y	10

Surrogate	%REC	Limits
Hexacosane	DO	52-131

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC249414	Analyzed:	04/28/04
Matrix:	Soil		

Analyte	Result	RL
Diesel C10-C24	ND	1.0

Surrogate	%REC	Limits
Hexacosane	90	52-131

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.02	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC249415	Batch#:	90701
Matrix:	Soil	Prepared:	04/28/04
Units:	mg/Kg	Analyzed:	04/28/04
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.11	45.76	91	56-129

Surrogate	%REC	Limits
Hexacosane	100	52-131

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09171.02	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	90701
MSS Lab ID:	171974-005	Sampled:	04/24/04
Matrix:	Soil	Received:	04/28/04
Units:	mg/Kg	Prepared:	04/28/04
Basis:	as received	Analyzed:	04/29/04
Diln Fac:	1.000		

Type: MS Lab ID: QC249418

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<0.3200	50.14	36.20	72	27-146

Surrogate	%REC	Limits
Hexacosane	79	52-131

Type: MSD Lab ID: QC249419

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.77	36.54	73	27-146	2	50

Surrogate	%REC	Limits
Hexacosane	80	52-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-3-0	Basis:	as received
Lab ID:	171973-001	Diln Fac:	1.000
Matrix:	Miscell.	Sampled:	04/27/04
Units:	mg/Kg	Received:	04/27/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.4	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Arsenic	5.8	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Barium	110	0.39	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Beryllium	0.16	0.079	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cadmium	ND	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Chromium	22	0.39	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cobalt	4.6	0.79	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Copper	21	0.39	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Lead	7.4	0.12	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Mercury	ND	0.019	90752	04/30/04	04/30/04	METHOD	EPA 7471
Molybdenum	ND	0.79	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Nickel	26	0.79	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Selenium	0.21	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Silver	ND	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Thallium	ND	0.20	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Vanadium	46	0.39	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Zinc	53	0.79	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-1-0	Basis:	as received
Lab ID:	171973-002	Diln Fac:	1.000
Matrix:	Miscell.	Sampled:	04/27/04
Units:	mg/Kg	Received:	04/27/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	3.1	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Arsenic	3.9	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Barium	68	0.51	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Beryllium	0.17	0.10	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cadmium	ND	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Chromium	19	0.51	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cobalt	5.8	1.0	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Copper	9.1	0.51	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Lead	16	0.15	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Mercury	0.039	0.020	90752	04/30/04	04/30/04	METHOD	EPA 7471
Molybdenum	ND	1.0	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Nickel	33	1.0	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Selenium	ND	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Silver	ND	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Thallium	ND	0.26	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Vanadium	20	0.51	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Zinc	71	1.0	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-1-1.5	Basis:	as received
Lab ID:	171973-003	Diln Fac:	1.000
Matrix:	Miscell.	Sampled:	04/27/04
Units:	mg/Kg	Received:	04/27/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.7	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Arsenic	3.9	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Barium	160	0.45	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Beryllium	0.40	0.091	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cadmium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Chromium	16	0.45	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cobalt	5.1	0.91	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Copper	80	0.45	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Lead	95	0.14	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Mercury	0.025	0.020	90752	04/30/04	04/30/04	METHOD	EPA 7471
Molybdenum	ND	0.91	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Nickel	19	0.91	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Selenium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Silver	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Thallium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Vanadium	26	0.45	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Zinc	96	0.91	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-4-0	Basis:	as received
Lab ID:	171973-004	Diln Fac:	1.000
Matrix:	Miscell.	Sampled:	04/27/04
Units:	mg/Kg	Received:	04/27/04

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	2.8	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Arsenic	4.2	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Barium	92	0.46	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Beryllium	0.24	0.093	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cadmium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Chromium	50	0.46	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Cobalt	6.5	0.93	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Copper	21	0.46	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Lead	50	0.14	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Mercury	0.090	0.018	90752	04/30/04	04/30/04	METHOD	EPA 7471
Molybdenum	ND	0.93	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Nickel	34	0.93	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Selenium	0.33	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Silver	3.2	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Thallium	ND	0.23	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Vanadium	25	0.46	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B
Zinc	58	0.93	90664	04/27/04	04/27/04	EPA 3050	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09171.02	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC249277	Batch#:	90664
Matrix:	Soil	Prepared:	04/27/04
Units:	mg/Kg	Analyzed:	04/27/04
Basis:	as received		

Analyte	Result	RL
Antimony	ND	3.0
Arsenic	ND	0.25
Barium	ND	0.50
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.50
Cobalt	ND	1.0
Copper	ND	0.50
Lead	ND	0.15
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	0.25
Silver	ND	0.25
Thallium	ND	0.25
Vanadium	ND	0.50
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09171.02	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	90664
Units:	mg/Kg	Prepared:	04/27/04
Basis:	as received	Analyzed:	04/27/04
Diln Fac:	1.000		

Type: BS Lab ID: QC249278

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	83.00	83	79-128
Arsenic	50.00	44.70	89	79-120
Barium	100.0	87.50	88	80-120
Beryllium	2.500	2.295	92	80-120
Cadmium	10.00	8.350	84	79-120
Chromium	100.0	87.50	88	80-120
Cobalt	25.00	21.60	86	77-120
Copper	12.50	11.40	91	80-120
Lead	100.0	87.00	87	78-120
Molybdenum	20.00	18.15	91	80-120
Nickel	25.00	21.15	85	79-120
Selenium	50.00	42.70	85	71-120
Silver	10.00	9.000	90	78-120
Thallium	50.00	42.95	86	73-120
Vanadium	25.00	22.45	90	80-120
Zinc	25.00	21.30	85	76-120

Type: BSD Lab ID: QC249279

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	86.50	87	79-128	4	20
Arsenic	50.00	46.80	94	79-120	5	20
Barium	100.0	92.50	93	80-120	6	20
Beryllium	2.500	2.420	97	80-120	5	20
Cadmium	10.00	8.800	88	79-120	5	20
Chromium	100.0	92.00	92	80-120	5	20
Cobalt	25.00	22.75	91	77-120	5	20
Copper	12.50	12.00	96	80-120	5	20
Lead	100.0	91.50	92	78-120	5	20
Molybdenum	20.00	19.25	96	80-120	6	20
Nickel	25.00	22.40	90	79-120	6	20
Selenium	50.00	44.70	89	71-120	5	20
Silver	10.00	9.450	95	78-120	5	20
Thallium	50.00	45.80	92	73-120	6	20
Vanadium	25.00	23.75	95	80-120	6	20
Zinc	25.00	22.55	90	76-120	6	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	EPA 3050
Project#:	001-09171.02	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	90664
MSS Lab ID:	171972-006	Sampled:	04/27/04
Matrix:	Soil	Received:	04/27/04
Units:	mg/Kg	Prepared:	04/27/04
Basis:	as received	Analyzed:	04/27/04
Diln Fac:	1.000		

Type: MS Lab ID: QC249280

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	1.347	106.4	27.45	25	1-120
Arsenic	4.298	53.19	48.94	84	57-120
Barium	92.56	106.4	247.9	146 *	52-134
Beryllium	0.3570	2.660	2.649	86	65-120
Cadmium	0.1054	10.64	7.713	72	57-120
Chromium	23.93	106.4	111.7	83	55-120
Cobalt	6.818	26.60	28.62	82	52-120
Copper	7.893	13.30	23.30	116	47-143
Lead	5.165	106.4	87.23	77	42-125
Molybdenum	0.7769	21.28	16.60	74	45-120
Nickel	31.53	26.60	60.64	109	36-138
Selenium	0.5579	53.19	42.23	78	42-120
Silver	<0.02200	10.64	8.883	84	66-120
Thallium	<0.1200	53.19	40.64	76	48-120
Vanadium	18.60	26.60	44.47	97	45-136
Zinc	28.97	26.60	57.98	109	34-139

Type: MSD Lab ID: QC249281

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	104.2	30.16	28	1-120	11	44
Arsenic	52.08	47.14	82	57-120	2	28
Barium	104.2	182.3	86	52-134	29 *	20
Beryllium	2.604	2.542	84	65-120	2	20
Cadmium	10.42	7.552	71	57-120	0	20
Chromium	104.2	104.2	77	55-120	5	20
Cobalt	26.04	26.93	77	52-120	4	20
Copper	13.02	20.36	96	47-143	12	21
Lead	104.2	85.42	77	42-125	0	30
Molybdenum	20.83	16.72	77	45-120	3	20
Nickel	26.04	53.65	85	36-138	11	24
Selenium	52.08	41.41	78	42-120	0	23
Silver	10.42	8.646	83	66-120	1	20
Thallium	52.08	39.84	77	48-120	0	25
Vanadium	26.04	39.79	81	45-136	10	20
Zinc	26.04	55.73	103	34-139	3	24

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09171.02	Analysis:	EPA 7471
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC249600	Batch#:	90752
Matrix:	Soil	Prepared:	04/30/04
Units:	mg/Kg	Analyzed:	04/30/04

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09171.02	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	90752
Units:	mg/Kg	Prepared:	04/30/04
Basis:	as received	Analyzed:	04/30/04

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC249601	0.5000	0.4800	96	80-120		
BSD	QC249602	0.5000	0.4730	95	80-120	1	20

RPD= Relative Percent Difference

17.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	171973	Location:	Cox Cadillac, Oakland
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09171.02	Analysis:	EPA 7471
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	90752
MSS Lab ID:	171685-002	Sampled:	04/12/04
Matrix:	Soil	Received:	04/12/04
Units:	mg/Kg	Prepared:	04/30/04
Basis:	as received	Analyzed:	04/30/04

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC249603	0.1017	0.4464	0.5643	104	74-131		
MSD	QC249604		0.4717	0.5585	97	74-131	6	22

RPD= Relative Percent Difference

APPENDIX D

Work Plan to Conduct Additional Soil and Grab Groundwater Sampling, Former Cox Cadillac Property, 230 Bay Place, Oakland, California

CONTENTS

1.0 INTRODUCTION

This work plan presents a scope of work for the additional investigation of soil and groundwater affected by petroleum hydrocarbons at the Former Cox Cadillac Property, located at 230 Bay Place in Oakland, California ("the Site"). This work plan provides a brief description of the Site's background and previous environmental investigations, as well as a scope of work and a schedule for the completion of the proposed investigation.

1.1 Site Background

The Site was formerly occupied by Cox Cadillac and was used for automobile sales and service, including storage, maintenance, repair, and painting, and is currently vacant. The Site consists of approximately 2.2 acres and was formerly occupied by an approximately 6,500-square-foot automobile showroom. The remainder of the Site is covered with concrete and asphalt (see Figure D-1). Several soil and groundwater investigations have been conducted at the Site. The results of these investigations indicate the presence of petroleum hydrocarbons in soil and groundwater. A detailed summary of the Site's background is provided in the main body of this report (see Sections 3.0 and 4.0).

1.2 Objectives

The general objective of the scope of work presented in this work plan is to obtain data to further assess the vertical extent of petroleum affected soil and groundwater in the vicinity of the former waste oil underground storage tank (UST).

2.0 SCOPE OF WORK

The following scope of work outlines tasks to be performed in support of the additional site characterization activities at the Site. To achieve the objective outlined above, three Geoprobe borings will be advanced to a depth of approximately 40 feet below ground surface (feet bgs). Eighteen soil samples (six samples at each location) will be collected. In addition, an attempt will be made to collect 18 grab groundwater samples from discrete depths (six samples at each location). The boring and sampling locations are depicted on Figure D-1.

2.1 Preparation for Field Work

Field work will be conducted in accordance with an updated Health and Safety Plan for the Site. The appropriate drilling permits will be obtained for each location from the Alameda County Public Works Agency and the City of Oakland Department of Public Works.

At least 48 hours before any subsurface work begins, Underground Services Alert will be notified to alert utility companies with facilities in the site vicinity. A private utility-locating subcontractor will also assist in locating underground utilities and clearing all drilling locations for subsurface utilities.

2.2 Sampling Methodology

Borings for this investigation will be advanced using the Geoprobe method by a driller with the required C-57 driller's license, under the supervision of LFR. Soil samples from small-diameter borings will be collected using a dual tube (rod) sampling system. The 2¼-inch diameter rods will be "pushed" into the ground by displacing sediment into a core barrel. Core samples enter through a cutting shoe into an inner liner fitted with a core catcher. The dual tube system is fitted with an acetate liner and the soil is retrieved in the liner as the inner rods are lifted to the surface. The liner is removed from the inner rod and samples are collected by cutting sections of the liner. The ends of the liner will be sealed with Teflon sheets and plastic caps. Soil samples will be collected for laboratory analysis at approximately 5, 10, 15, 20, 30, and 40 feet bgs.

Each boring will be logged by an LFR geologist using the Unified Soil Classification System, and cuttings and samples will be field screened for organic compounds using a photoionization detector.

A Hydropunch device will be used to attempt to collect the grab groundwater samples. A modified Hydropunch sampler with a retrievable tip and stainless steel screen will be used to allow multiple depth groundwater sampling using the same boring. The sample tool will be pushed to the desired sampling depth, then withdrawn slightly to expose an inlet screen. A steel bailer or lift pump will be utilized to pump the grab groundwater samples into sample collection containers. If a groundwater sample displays evidence of free-phase product during sampling, the Hydropunch tool will be withdrawn and cleaned to prevent the possibility of cross-contamination, and a new adjacent boring will be drilled for collection of deeper samples. An attempt to collect grab groundwater samples at 5, 10, 15, 20, 30, and 40 feet bgs will be made. Each sample retained for analysis will be labeled at the time of sampling and stored in an ice-chilled cooler for transportation to a state-certified analytical laboratory under strict chain-of-custody procedures.

2.3 Quality Assurance/Quality Control Procedures

For quality assurance/quality control (QA/QC) purposes, one trip blank will be included in each ice-chilled cooler, and one duplicate soil sample and one duplicate groundwater sample will be collected.

2.4 Investigation-Derived Waste

In the process of collecting environmental samples during the proposed field sampling program, different types of potentially contaminated investigation-derived wastes (IDW) will be generated that include the following:

- disposable sampling equipment
- soil cuttings
- decontamination fluids

Listed below are the procedures that will be followed for handling the IDW:

- Decontamination water will be placed in Department of Transportation– (DOT-) approved Type 17H 55-gallon drums. The drums will be sealed so that they are watertight, pending receipt of analytical results.
- Soil cuttings will be placed in DOT-approved Type 17H 55-gallon drum or DOT-approved soil bins. The drums will be sealed, pending receipt of analytical results.

Following receipt of analytical results, all liquid IDW (decontamination water) and solid IDW (soil cuttings) will be disposed of at appropriate disposal/treatment/recycling facilities.

3.0 LABORATORY ANALYSIS

Soil, groundwater, duplicate, and trip blank samples will be submitted to a California state-certified laboratory for analysis. Samples will be analyzed for total petroleum hydrocarbons (TPH) as diesel (TPHd; silica-gel cleanup will be used), TPH as gasoline (TPHg), and volatile organic compounds (VOCs). The trip blank will be analyzed for VOCs only, while the duplicate sample will be analyzed for TPHd (silica-gel cleanup will be used), TPHg, and VOCs.

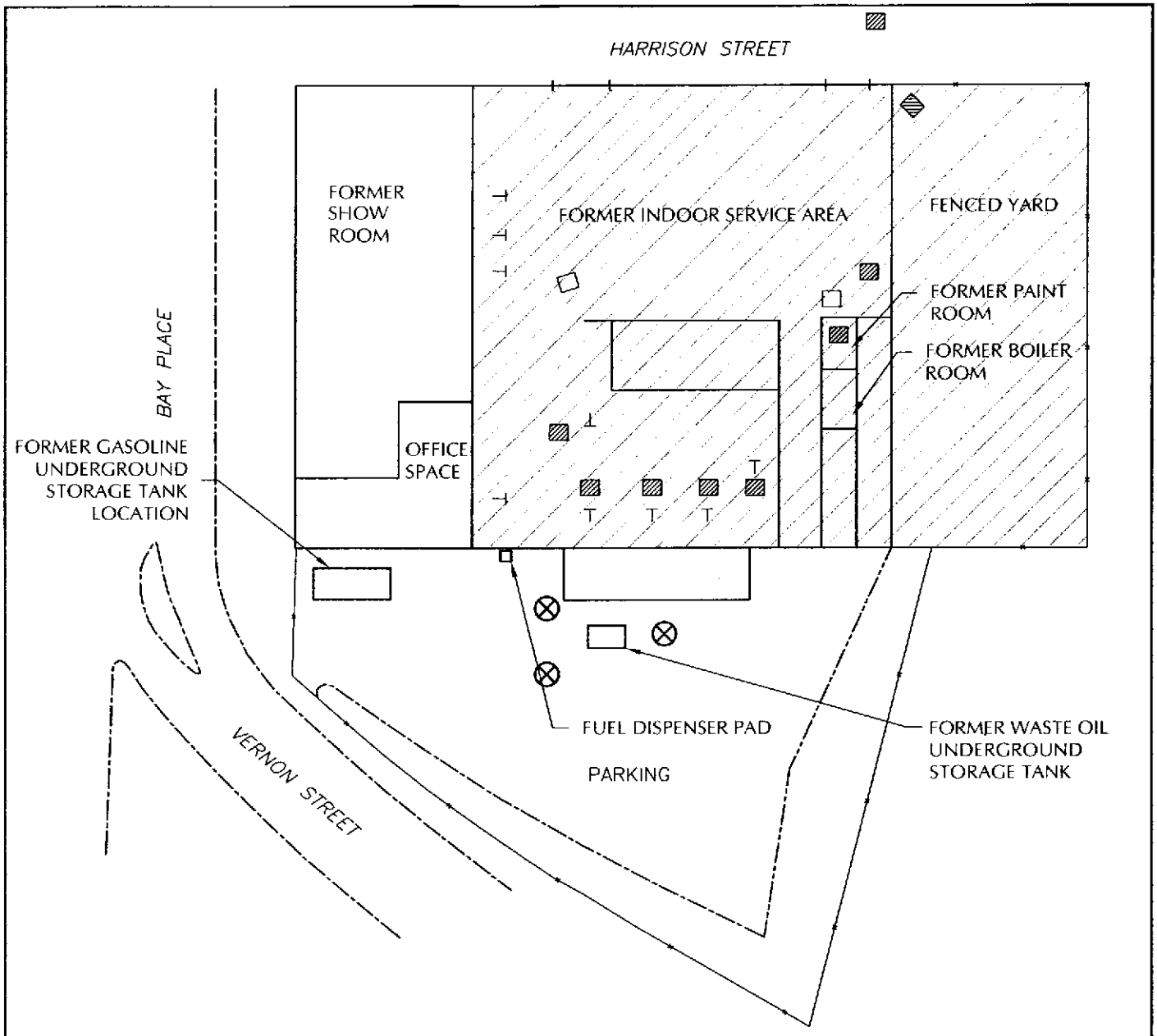
4.0 REPORT PREPARATION

LFR will prepare a report presenting the results of this investigation and recommendation for the next action toward site closure. Soil and groundwater data collected during this investigation will be tabulated and graphically illustrated for ease of interpretation by the reader. Data values will also be compared to Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs).

5.0 SCHEDULE

It is anticipated that LFR can complete the tasks described above, as follows:

- one day for Geoprobe field work
- 10 working days for laboratory analysis
- two to three weeks for preparation of the report after receipt of electronic data from the laboratory



NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE

Proposed Boring Locations

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE • FRICKE

Figure D-1

LFR
LEVINE • FRICKE

LETTER OF TRANSMITTAL
001-09171-12

August 18, 2004

Mr. Don Hwang
Hazardous Materials Specialist
Local Oversight Program
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Mr. Robert J. Bond
President
Bond Companies
350 W. Hubbard Street, Suite 450
Chicago, Illinois 60610

Zachary Walton, Esq.
Paul, Hastings, Janofsky & Walker LLP
55 Second Street, 24th Floor
San Francisco, California 94105

Re: Replacement Pages

The following items are Enclosed via U.S. Mail

Description	No. of Copies
Replacement pages for the document entitled "Results of the March and April 2004, Soil and Groundwater Investigation at the Former Cox Cadillac Property, 230 Bay Place, Oakland, California," dated August 4, 2004	1 set

The item(s) are transmitted:
- ☐ At your request
- ☐ For your action
- ☐ For your review/comment
- ☒ For your files
- ☐ For your approval
- ☐ For your information

Comments: Please insert the enclosed replacement pages into the above-mentioned document, which we sent to you earlier this month.

If you have questions or comments, please call Charles Pardini, Kimberly Brandt, or David Gibbs of LFR Levine·Fricke at (510) 652-4500.

Thank you.

Sincerely,

Veronica C. Hadsell

Veronica C. Hadsell, Technical Editor

R0 148

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LETTER OF TRANSMITTAL
001-09171-11

September 3, 2004

Mr. Don Hwang
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

SEP 3 0 2004

Re: Reports - Former Cox Cadillac Site

The following items are Enclosed via Courier

Description	No. of Copies
Five reports (listed below)	1 of each

The item(s) are transmitted:

- ☒ At your request
- ☒ For your review/comment
- ☐ For your approval
- ☐ For your action
- ☒ For your files
- ☐ For your information

Comments:

Don,

Enclosed are the five reports concerning the former Cox Cadillac site that we have that were not included on the list in your August 31, 2004 letter.

1) Report on a Limited Phase I Environmental Site Assessment and Limited Asbestos and Lead-Based Paint Surveys at the Former Cox Cadillac Property, Oakland, California, prepared by LFR and dated September 1, 2000.

2) Workplan Monitoring Well Installation, Resumption of Enhanced Bio-Remediation, and Resumption of Quarterly Sampling, prepared by PES and dated August 29, 2001.

3) Report of UST Closure Activities, prepared by EOA, Inc. and dated February 1994.

4) Geotechnical Investigation Cox Cadillac Site Development, prepared by Treadwell & Rollo and dated July 6, 2004.

5) Geotechnical Investigation for Proposed Development, prepared by GeoForensics and dated May 2001.

If you need anything else, please call me at (510) 596-9536.

Chuck