REVISED
Report of the Results of the March and April 2004
Soil and Groundwater Investigation
at the Former Cox Cadillac Property
230 Bay Place
Oakland, California
(Fuel Leak Case No. RO0000148)

December 2, 2004
001-09171-12

Prepared for
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I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true to the best of my knowledge.

By: Bond Capital Investors, LLC, its Member

By: Bond Investment Company, LLC, its Manager

By: _____
Robert J. Bond, a Manager

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December 2, 2004 001-09171-12

Mr. Don Hwang
Hazardous Materials Specialist
Local Oversight Program
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Revised Report of the Results of the March and April 2004 Soil and Groundwater Investigation at the Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)

Dear Mr. Hwang:

On behalf of Bond CC Oakland, LLC, LFR Levine·Fricke (LFR) has prepared this revised report of the March and April 2004 soil and groundwater investigation at the former Cox Cadillac property located at 230 Bay Place in Oakland, California ("the Site"). The report was revised based on comments received from representatives of Alameda County Environmental Health Services during our conference call on September 8, 2004. This revised report includes a summary of the results of pre-2002 soil and groundwater investigations conducted at the Site, and a summary of the work conducted at the Site since 2002, including the results of ETIC Engineering's November 2003 investigation and LFR's March and April 2004 investigation. This revised report also includes recommendations for additional investigations and descriptions of previously proposed interim remedial measures.

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

Sincerely,

Charles H. Pardini, R.G.
Principal Geologist
Assistant Operations Manager

Kimberly A. Brandt, R.G., C.HG.
Senior Associate Hydrogeologist

Enclosure

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

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CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by an LFR Levine·Fricke California Registered Geologist.

12/3/04

Charles H. Pardini
Principal Geologist
California Registered Geologist (6444)

Date

1.0 INTRODUCTION

1.1 Purpose of the Report

LFR Levine·Fricke (LFR), on behalf of Bond CC Oakland, LLC, has prepared this revised report, which summarizes the results of environmental investigations performed at the former Cox Cadillac property located at 230 Bay Place in Oakland, California ("the Site"; Figure 1). This report also recommends additional investigations at the Site in order to obtain data sufficient to commence the previously proposed interim remedial measures (IRMs) in the near future. This report is a revision of the LFR report entitled "Results of March and April 2004 Soil and Groundwater Investigation at the Former Cox Cadillac Property 230 Bay Place Oakland, California," dated August 4, 2004.

This report was revised based on comments received from representatives of the Alameda County Environmental Health Services (ACEHS) during a conference call on September 8, 2004. This revised report includes a summary of the results of pre-2002 soil and groundwater investigations conducted at the Site, and a summary of the work conducted at the Site since 2002, including the results of ETIC Engineering's (ETIC's) November 2003 investigation and LFR's March and April 2004 investigation. This revised report also includes recommendations for additional investigations and descriptions of previously proposed interim remedial measures.

1.2 Report Organization

This revised report is organized as follows:

Section 1.0 - introduction

Section 2.0 - site description, including site location, historical site use, and a description of the regional and site geology and hydrogeology

Section 3.0 - a summary of pre-2002 soil and groundwater investigations, including underground storage tank (UST) removal, and the results of the 2003 investigations conducted by ETIC

Section 4.0 - a description of LFR's March and April 2004 soil and groundwater investigation

Section 5.0 – a description of the nature and extent of chemicals of potential concern (COPC)

Section 6.0 - identification of remaining data gaps and recommendations to address the data gaps, and a brief description of the proposed IRMs

Section 7.0 - references

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. A portion of the facility was 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 is occupied by an abandoned automobile showroom building shell and a concrete slab 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 north/northwest-south/southeast cross sections, and Figure 6 and 7 are southwest-northeast cross sections. The approximate locations and depths of the gasoline and waste oil USTs, and some underground utilities (electrical, telephone, gas, and storm drain) are depicted on cross section D-D' (Figure 7).

In general, the Site is underlain by clays, silts, and sands. Fill material containing a mixture of brick, concrete, rubble, and gravel is present below the concrete slab 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), indicate that the uppermost 4 to 5 feet below the concrete slab or asphalt at the Site consist primarily of sandy or silty clay. However, in the western part of the Site, in an area approximately bounded by borings GF-8 and SB-5, SB-7, GF-5, and EB-2 (Figure 3), fill material is encountered beneath the concrete slab or asphalt. The fill material ranges in thickness from approximately 2 feet (boring B-3; Figure 5) to approximately 7 feet (boring SB-7; Figure 4). The fill consists of concrete, bricks, and other rubble. Another area of the Site where material other than sandy or silty clay is encountered immediately below the concrete slab or asphalt is in the northern part of the Site, in the vicinity of borings GF-3 and CPT-4A, where clay is encountered immediately beneath the concrete slab (Figure 6).

Beneath these uppermost intervals, the lithology encountered consists of silty sandy clay, silty clay, clayey silt, and silt to depths ranging from approximately 10 feet bgs (at CPT-4A; Figure 6) to approximately 70 feet bgs (boring CPT-2A; Figures 4 and 7). At the CPT-4A location, the sandy, silty clay interval is approximately 6 feet thick. The maximum thickness of the silt in other portions of the Site is unknown because borings completed at the Site do not penetrate it fully (Figures 4 and 7). 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]).

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). The 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 near the intersection of Bay Place and Vernon Street (Figure 2). In addition, the approximate locations and depths of the gasoline and waste oil USTs are depicted on cross section D-D' (Figure 7).

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 led from the UST to the fuel dispenser (east 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 residual total petroleum hydrocarbon- (TPH-) affected soil. Approximately 100 cubic yards of 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 this excavation activity (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 Pre-2002 Soil Investigations

In addition to the soil excavation, sampling, and analysis associated with the UST removals, several soil investigations have been conducted at the Site, including geotechnical investigations (performed by Lowney Associates 2000, GeoForensics 2001, and Treadwell & Rollo 2004). Results from the geotechnical investigations were used in describing the Site lithology (Section 2.3). The following presents a summary of the results of the soil-quality data collected during the investigations; the investigation locations and 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.

3.3 Pre-2002 Groundwater Investigations

Since 1993, groundwater investigations and monitoring have periodically been conducted at the Site. Historical groundwater quality data are presented in Table 2. 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; five of these wells 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; well 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).

3.4 Interim Corrective Actions

Several phases of soil excavation, removal, and disposal were conducted in the vicinity of the former gasoline and former gasoline USTs, as described in sections 3.1.1 and 3.1.2. In addition to these interim soil remedial measures, PES conducted an interim remedial measure at the Site to address petroleum hydrocarbon–affected groundwater beginning in 1999. 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).

3.5 Post-2002 Soil and Groundwater Investigations

ETIC conducted a soil and groundwater investigation in November 2003 that incorporated the scopes of work in the work plans prepared by PES, the consultant for the previous property owner, and subsequent comment letters provided by ACEHS staff. A chronology of these work plans and correspondence, and the relevant issues included in them, follow below.

3.5.1 Background to ETIC's 2003 Investigation

ACEHS prepared a letter, dated July 31, 2002, that included technical comments in response to a document entitled "Addendum to Workplan, Monitoring Well Installation, Resumption of Enhanced Bio-Remediation, and Resumption of Quarterly Sampling," dated December 17, 2001 and prepared by PES. Specifically, the technical comments in ACEHS' letter were as follows:

- Additional site characterization is needed; primarily, the lateral and vertical extent of contamination in groundwater had not been assessed. This comment included a request for investigation of the utility trenches beneath Bay Place, analysis of samples for MTBE, and additional soil and groundwater sampling.
- Disapproval of conducting enhanced bioremediation over a four-year period until additional analysis and evaluation is conducted on the efficacy and safety of the proposed work.
- Approval of the use of the RWQCB's cleanup standard of 5,000 µg/l for TPHg, but disapproval of the use of the Oakland-specific Tier 2 site-specific target levels because the Site does not meet the eligibility requirements for the use of these target levels.
- Required analysis of groundwater samples for selected fuel oxygenates and additives using EPA Method 8260, and including the results in quarterly reports.
- Required evaluation of residual petroleum hydrocarbons in the former UST excavations.
- Review of groundwater monitoring analytical data included in historical tables for accuracy.

PES prepared a document entitled "Workplan Supplemental Site Investigation Former Cox Cadillac Facility," dated January 24, 2003, to address the ACEHS' comments. The scope of work presented in the January 24, 2003 document included the following:

- Collecting groundwater data in the vicinity of the utility trenches in the crossgradient and downgradient directions from the Site
- Evaluating the plume in the vicinity of well MW-1 and beneath the building
- In situ groundwater sampling in the vicinity of well MW-1
- Groundwater monitoring

ACEHS responded with a letter, dated April 16, 2003, which stated that the PES work plan generally satisfies the concerns in the July 31, 2002 letter. However, ACEHS provided the following technical comments:

- In addition to the groundwater analyses requested and proposed, include ethanol in the analysis.
- Provide the cumulative, historical hydraulic gradients for the Site and include the magnitude and direction on future groundwater elevation maps using a rose histogram.
- Provide information regarding the former waste oil UST removal, including the condition of the UST, observations of the excavation, sampling of the excavation, and the removal of soil and/or groundwater from the excavation. The information was to be submitted in a completed "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report."
- Additional lateral and vertical soil and groundwater assessment will be required in the vicinity of the former waste oil UST if the information described in the bullet above is inadequate. If the information is inadequate, ACEHS requested that additional borings be proposed to sample soil and groundwater.
- The depths of the borings (3 to 4 feet bgs) are inadequate because deeper samples are needed to assess the vertical extent of leaks from the UST. ACEHS requested deeper depths for the borings be proposed.

In response to the ACEHS' comments, PES prepared an addendum work plan, dated May 21, 2003. The work plan addressed the ACEHS comments as follows:

- Ethanol analysis for groundwater samples will be included.
- Rose diagrams indicating historical groundwater direction will be included on future groundwater elevation maps.
- PES would provide the additional information requested concerning the waste oil UST in the report entitled "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report," dated December 5, 1988, and prepared by R.S. Eagan and Company, and other correspondence from R.S. Eagan and Company.

- Additional soil sampling in the vicinity of the former waste oil UST will be evaluated after reviewing the background information and additional data with ACEHS staff.
- Deeper soil samples (8 to 12 feet bgs) will be collected in the three westernmost borings, west of the former gasoline UST.

Based on the cumulative requests by ACEHS and the responses from PES, ETIC conducted soil and groundwater sampling activities in October and November 2003. The results of their investigation activities follow below.

3.5.2 Soil Results – ETIC 2003

In October and 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). This investigation consisted of collecting a total of 10 soil samples from 6 borings (GP1, GP2, GP2A, GP5, GP6, and UB3). The soil samples were analyzed for TPHg, BTEX, and gasoline oxygenates. The results are presented in Table 3 and 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 the one off-site soil sample (from boring UB3) collected at 5 feet bgs detected only benzene (0.0093 mg/kg) and ethylbenzene (0.0092 mg/kg) above laboratory reporting limits.

3.5.3 Grab Groundwater Results – ETIC 2003

In October 2003, ETIC conducted a grab groundwater investigation in the utility trench beneath Bay Place. Four hand-augered borings (UB1 through UB4) were advanced. Groundwater samples were collected from borings UB1 and UB2 at a depth of approximately 10 feet (Table 4). Groundwater samples were not collected at the two other hand-augered borings that were attempted (borings UB3 and UB4). Boring UB4 was terminated at 10 feet bgs due to equipment limitations (groundwater was not encountered at that depth), and boring UB-3 was terminated at a depth of approximately 5 feet because an obstruction was encountered. Boring logs were not prepared for any of these four borings. A soil sample was collected from boring UB3. The analytical results for the sample from this boring are reported in Section 3.5.2 (see Table 3).

In November 2003, ETIC conducted a grab groundwater investigation on the Site to investigate the potential effects of the waste oil and gasoline USTs on soil and groundwater quality. Eight mechanically advanced soil borings, GP1, GP3, GP6, GP7, GP8, GP9, and step-out borings GP2A and GP4A, were advanced. Borings GP3 and GP4A were terminated at a depth of approximately 2.5 feet because a concrete obstruction was encountered. Grab groundwater sample borings GP7, GP8, and GP9

were terminated because ETIC deemed advancing borings at these locations deeper than their eventual depth "not feasible" due to the composition of the fill material and the presence of concrete rubble and buried concrete slabs (ETIC, 2004). Boring GP7 was terminated at approximately 13 feet bgs and boring GP8 was terminated at approximately 15 feet bgs. A boring log was not provided for boring GP9. Borings GP7 through GP9 were originally proposed to investigate deeper groundwater quality in the vicinity of monitoring well MW-1. All of the groundwater samples were analyzed for TPHg, BTEX, and gasoline oxygenates (Table 4; Figures 10, 11, and 12).

The analytical results for the two grab groundwater samples collected in the utility trench indicated the following:

- The grab groundwater sample collected from boring UB1 contained 1.5 micrograms per liter (µg/l) of toluene, 2.0 µg/l of total xylenes, and 0.84 µg/l MTBE (Table 4; Figures 10 and 12).
- The grab groundwater sample collected from boring UB2 contained 14,000 µg/l of TPHg and 37 µg/l MTBE (Table 4; Figures 10 and 12).

Reportedly, the on-site groundwater samples (borings with the prefix "GP") contained TPHg up to a concentration of 67,000 µg/l, benzene up to 9,500 µg/l, toluene up to 5,700 µg/l, ethylbenzene up to 1,800 µg/l, and total xylenes up to 6,100 µg/l. These maximum concentrations 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 (Table 4; Figures 10, 11, and 12).

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 (Figures 10 and 11). 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 (Figure 10), and benzene concentrations of 2,700 µg/l and 2,500 µg/l, respectively (Figure 11). The farthest downgradient well, MW-2, had the highest concentration of MTBE at 2,100 µg/l (Figure 12).

3.5.4 Assessment of the ETIC 2003 Investigation

The soil- and groundwater-quality results from the investigation conducted by ETIC in October and November 2003 indicated that some of the previously identified data gaps at the Site had not been addressed. The data gaps that remained are as follows:

- The lateral extent of petroleum hydrocarbons in soil and groundwater northwest of borings GP2 and GP2A has not been assessed.
- The northern and southern extent (northwest of boring UB3 and southeast of MW-2) of petroleum hydrocarbons in the backfill of the utility trenches has not been assessed. In addition, it is unknown if the samples collected from borings UB1 and UB2 were collected from backfill material, due to the absence of lithologic data at this location.
- The vertical extent of the petroleum hydrocarbons in the vicinity of the former waste oil UST (near MW-1) has not been assessed.

To address the identified data gaps, LFR proposed an additional soil and groundwater investigation.

4.0 SOIL AND GROUNDWATER INVESTIGATION – LFR 2004

The data gap that posed the greatest constraint on the development of the Site was that the lateral extent of petroleum hydrocarbons in soil and groundwater northwest of borings GP2 and GP2A was not assessed. In order to address this data gap, LFR conducted a soil and groundwater investigation at the Site in March 2004. Eight soil borings were advanced in the showroom and former indoor service area of the Site that were located to assess the lateral extent of petroleum-affected soil and groundwater northwest of borings GP2 and GP2A, and in other portions of 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 also collected during the excavation activities conducted in April 2004.

4.1 Scope of the Soil and Groundwater Investigation

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

- advance eight borings (SB-1 through SB-8)
- 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 present conclusions and recommendations.

4.2 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 PID. 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.

4.3 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 4.4.

Generally, two soil samples were collected from each boring (SB-1 through SB-6) between approximately the ground surface 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 (Table 5; 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. In a soil sample collected from SB-2, located immediately adjacent to the former waste oil storage tank, TPHg was detected at a concentration of 30 mg/kg, and BTEX compounds were detected at 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 9. 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).

4.4 Grab Groundwater Results

LFR collected eight grab groundwater samples in March 2004 from borings SB-1 through SB-8, identified as sample numbers GW-1 through GW-8 (Table 6). 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 (Figures 10 and 11). The concentrations of TPHg and benzene in GW-2 were 970,000 μg/l and 23,000 μg/l, respectively (Figures 10 and 11). Sample GW-2 was collected directly downgradient from the former waste oil tank area. MTBE was detected in only three samples (GW-5, GW-6, and GW-7) at concentrations ranging from 1.1 μg/l to 55 μg/l respectively (Figure 12).

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 (Table 6). 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 (Table 6).

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.

5.0 NATURE AND EXTENT OF CONTAMINATION

The evaluation of the nature and extent of the contamination in soil and groundwater at the Site is based on the results of LFR's investigation, and a review of the data collected during investigations conducted by others. LFR's evaluation of the nature and extent of the contamination in soil and groundwater at the Site is presented below.

5.1 Constituents in Soil

Evaluation of soil data collected during several of the investigations conducted at the Site to date indicates that the soil contamination is localized in the vicinity of the former UST locations (Figure 9), with localized petroleum hydrocarbon concentrations in other portions of the Site.

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.

5.2 Constituents in Groundwater

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

TPHg, BTEX, and MTBE, 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 help define the lateral extent of the affected groundwater.

Based on evaluation of groundwater sampling data, 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. A sample collected from boring SB-2 contained 970,000 µg/l of TPHg, 23,000 µg/l of benzene, 33,000 µg/l of toluene, 22,000 µg/l of ethylbenzene, and 79,000 µg/l of xylenes (Table 6).

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, UB1, and UB2 (Figures 10, 11, and 12).

6.0 CONCLUSIONS AND RECOMMENDATIONS

The results of recent and historical soil investigations at the Site indicate that the lateral extent of petroleum-affected soil and groundwater has generally been assessed and that it is associated with the area around the former gasoline and waste oil USTs located in the southern portion of the Site. However, two data gaps have been identified: 1) groundwater-quality data in the utility corridor located beneath the northeastern side of Bay Place; and 2) the vertical extent of chemicals in soil and groundwater in the vicinity of the former UST locations.

In order to assess the presence of chemicals in the backfill of the utility corridor it is recommended that two borings be drilled into the backfill of the utility corridor, and soil and groundwater (if encountered) samples be collected and analyzed for the following constituents: TPHg; TPHd; benzene; toluene; ethylbenzene; xylenes; ethylene dibromide; ethane dichloride, (also referred to as 1,2-dichloroethane); MTBE; tert amyl methyl ether; ethyl tertiary butyl ether; di-isopropyl ether; and tertiary butyl alcohol.

In order to assess the vertical extent of chemicals in soil and groundwater in the vicinity of the former UST locations, it is recommended that additional soil and grab groundwater sampling be conducted at three locations in the area of the former waste oil UST and at two locations downgradient from the former gasoline UST. These Geoprobe 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 utility corridor and vertical extent investigation was submitted on October 28, 2004.

In addition to the investigation described above, LFR recommends IRMs be implemented in order to address the petroleum hydrocarbons in soil and groundwater. These interim remedial actions are described in detail in the document entitled "Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California" (LFR 2004) and in two addenda, dated September 15, 2004 and October 1, 2004. The interim remedial actions were approved by the Alameda County Health Services Agency (ACHSA) in a letter dated October 6, 2004. The proposed IRMs comprise the following:

- Excavation and Off-Site Disposal of Petroleum-Affected Soil and Groundwater: This IRM 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. The excavation will be backfilled.
- Periodic Groundwater Monitoring: This task will include continued performance of periodic groundwater monitoring following completion of the excavation activities.

Previously, enhanced bioremediation in the form of broadcasting ORC in a powder form had been proposed in the open excavation prior to backfilling. However, this method will only be effective in remediating groundwater to the total depth of the investigation (currently planned for approximately 8 feet). The depth of affected soil and groundwater will be assessed during the proposed additional investigation, (as described above) and an alternative IRM may be proposed.

7.0 REFERENCES

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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
Soil Analytical Data
(ETIC October and November 2003)
Former Cox Cadillac Site
230 Bay Place
Oakland, California

Expressed in milligrams per (mg/kg)

Boring Number	Sample Date	Sample Depth (feet)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	1,2-DCA	EDB	TAME	TBA	DIPE	ETBE
GP1	11/25/2003	3.5	<10/<10	**0.30/0.31**	<0.005/<0.005	**0.55/0.63**	**0.43/0.45**	**0.28/0.23**	NA	NA	<0.005	<0.05	<0.005	<0.005
GP1	11/25/2003	9.5	<10	**0.016**	**0.065**	**0.018**	**0.091**	**3**	NA	NA	<0.005	<0.05	<0.005	<0.005
GP2	11/25/2003	4	**810**	**1.9**	**3.2**	**23**	**79**	**1.4**	NA	NA	<0.005	<0.05	<0.005	<0.005
GP2	11/25/2003	10 - 10.3	**110**	**15**	**32**	**8.6**	**35**	**1.3**	NA	NA	<0.005	<0.05	**0.53**	<0.005
GP2A	11/26/2003	3.5 - 4	**430**	**33**	**3.4**	**1.4**	**4.2**	<1.3	<1.3	<1.3	<1.3	<6.3	<2.5	<1.3
GP5	11/26/2003	3.5 - 4	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005
GP6	11/26/2003	3.5 - 4	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005
GP6	11/26/2003	14.5 - 15	**4.7**	**0.78**	**0.12**	**0.14**	**0.14**	<0.024	**0.025**	<0.024	<0.024	<0.047	<0.047	<0.024
UB3	10/10/2003	5	<0.10	**0.0093**	<0.005	**0.0092**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005

Notes:

Bold denotes detection above laboratory detection limit.

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary-butyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide
TAME = Tert-amyl methyl ether
TBA = Tert-butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
NA = Not analyzed

Table 4
Grab Groundwater Analytical Data
(ETIC October and November 2003)
Former Cox Cadillac Site
230 Bay Place, Oakland, California

Expressed in micrograms per liter (µg/l)

Sample Number	Sample Date	Sample Depth (feet)	TPHg	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	<0.5	<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.

TPHg = total petroleum hydrocarbons as gasoline
MTBE = methyl tertiary-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 5
Soil Analytical Data
(LFR March 2004)
Former Cox Cadillac Site
230 Bay Place
Oakland, California

Expressed in milligrams per kilogram (mg/kg)

Boring Number	Sample Date	Sample Depth (feet)	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
SB-1	3/15/2004	1.5	<1.1	**2.8 Y**	<0.0051	<0.0051	<0.0051	<0.0051	<0.0046
SB-1	3/15/2004	5	<0.98	**3.0 Y**	<0.0049	<0.0049	<0.0049	<0.0049	<0.005
SB-2	3/15/2004	1	**30**	**33 H Y**	**0.86**	**0.14 C**	**0.68**	**2.07**	<0.0046
SB-2	3/15/2004	4.5	<1.1	<1.0	<0.0051	<0.0051	<0.0051	<0.0051	<0.0048
SB-3	3/15/2004	3	<1.1	**130 H Y**	<0.0053	<0.0053	<0.0053	<0.0053	<0.0049
SB-3	3/15/2004	5.5	**1.2**	**7 H Y**	<0.0053	<0.0053	<0.0053	<0.0053	<0.0045
SB-4	3/15/2004	1	<1.1	**8.4 H Y**	<0.0053	<0.0053	<0.0053	<0.0053	<0.0049
SB-4	3/15/2004	4.5	<0.98	**5.5 H Y**	<0.0049	<0.0049	<0.0049	<0.0049	<0.005
SB-5	3/15/2004	1.5	<1.1	**2.6 Y**	<0.0055	<0.0055	<0.0055	<0.0055	<0.0045
SB-5	3/15/2004	5.5	<1.1	**1.3 Y**	<0.0051	<0.0051	<0.0051	<0.0051	<0.0048
SB-6	3/15/2004	5	<1.1	**4.5 H Y**	<0.0054	<0.0054	<0.0054	<0.0054	<0.0049

Notes:

Bold denotes detection above laboratory detection limit.

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary-butyl ether
H = Heavier hydrocarbons contributed to the quantitation
Y = Sample exhibits chromatographic pattern which does not resemble standard
ND = Not detected
C = Presence confirmed, but Relative Percent Difference (RPD) between columns exceeds 40%

Table 6
Grab Groundwater Analytical Data
(LFR March 2004)
Former Cox Cadillac Site
230 Bay Place
Oakland, California

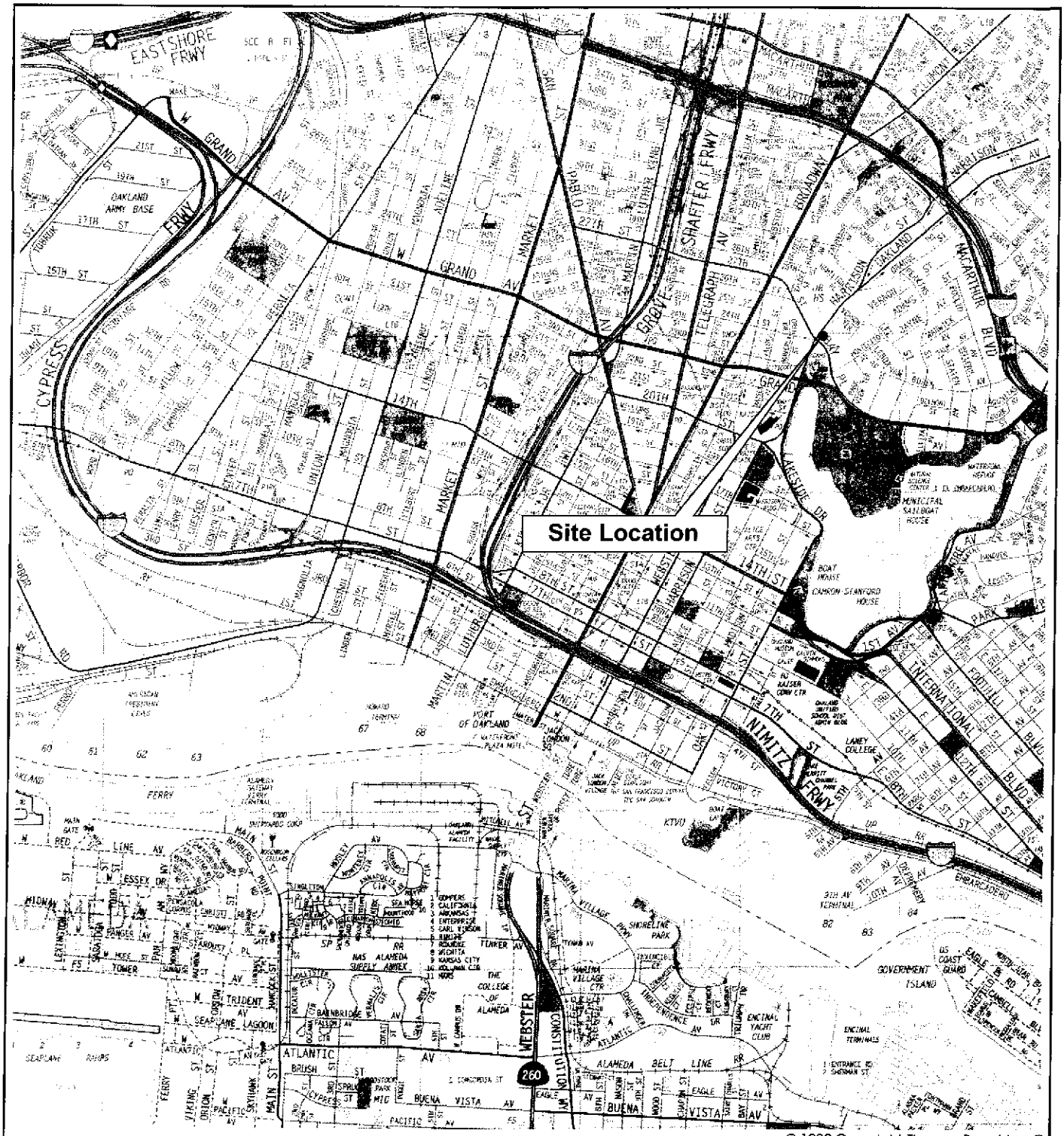
Expressed in micrograms per liter (µg/l)

Sample Number	Sample Date	Sample Depth (feet)	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
GW-1	3/15/2004	10 - 11	<0.05	**260 Y**	<0.005	<0.005	<0.005	<0.005	<0.5
GW-2	3/15/2004	6 - 7	**970,000**	NA	**23,000**	**33,000 C**	**22,000**	**79,000**	<420
GW-3	3/15/2004	7 - 8	**970**	**3,800 H Y**	**48**	**93**	**42**	**90.7**	<0.5
GW-4	3/15/2004	5 - 6	<0.05	**310 H Y**	<0.005	<0.005	<0.005	<0.005	<0.5
GW-5	3/15/2004	6 - 7	<0.05	**640 H Y**	<0.005	<0.005	<0.005	<0.005	**21**
GW-6	3/15/2004	7 - 9	<0.05	**600 H Y**	<0.005	<0.005	<0.005	<0.005	**29**
GW-6D	3/15/2004	7 - 9	<0.05	**970 H Y**	<0.005	<0.005	<0.005	<0.005	**55**
GW-7	3/15/2004	7 - 8	<0.05	**350,000 H Y**	<0.005	<0.005	<0.005	<0.005	**1.1**
GW-8	3/24/2004	10	<0.05	**680 Y**	<0.005	<0.005	<0.005	<0.005	<0.5

Notes:

Bold denotes detection above laboratory detection limit.

TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
MTBE = Methyl tertiary-butyl ether
H = Heavier hydrocarbons contributed to the quantitation
Y = Sample exhibits chromatographic pattern which does not resemble standard
ND = Not detected
C = Presence confirmed, but Relative Percent Difference (RPD) between columns exceeds 40%.



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Site Vicinity Map

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 1

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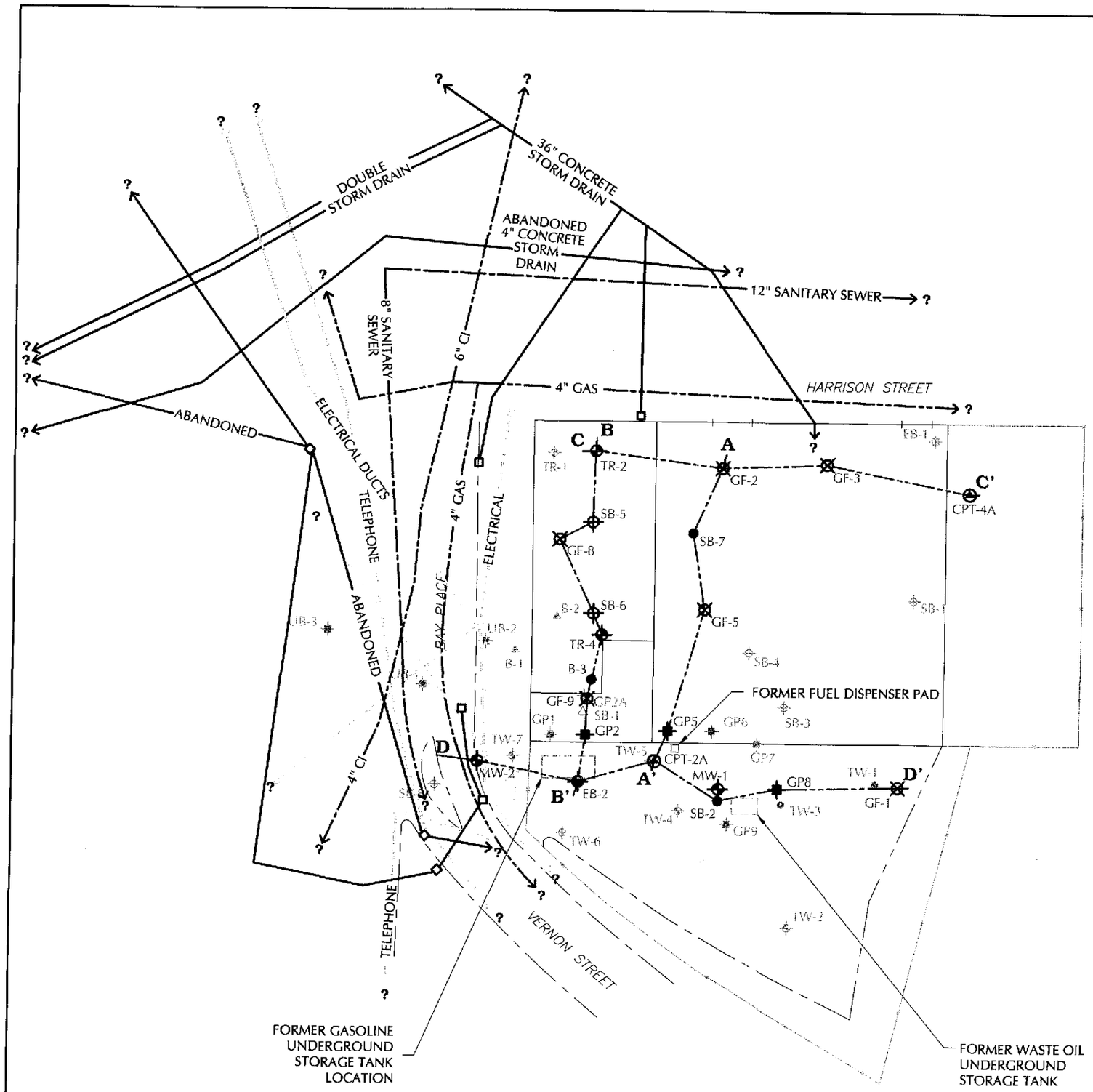


EXPLANATION

- A — A' CROSS SECTION LOCATION
- SANITARY SEWER - APPROXIMATELY 6 FEET BELOW GRADE
- STORM DRAIN - APPROXIMATELY 6-8 FEET BELOW GRADE
- GAS LINE - APPROXIMATELY 3 FEET BELOW GRADE
- ELECTRICAL LINE - APPROXIMATELY 3 FEET BELOW GRADE
- TELEPHONE LINE - APPROXIMATELY 3 FEET BELOW GRADE
- FENCE
- RETAINING WALL
- CURB
- SB-3 APPROXIMATE LOCATION OF LFR BORING APRIL 2004
- CPT-4A APPROXIMATE LOCATION OF CONE PENETRATION TEST BY TREADWELL & ROLLO, INC., FEBRUARY 2004
- TR-2 APPROXIMATE LOCATION OF BORING BY *TREADWELL & ROLLO, INC., MAY 2004*
- L-2 APPROXIMATE LOCATION OF BORING BY LOWNEY ASSOCIATES, INC., JULY 2000
- GF-2 APPROXIMATE LOCATION OF BORING BY GEOFORENSICS, INC., APRIL 2001
- MW-1/TW-2 MONITORING OR TEMPORARY WELL LOCATION
- 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)*
- 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)

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

0 60 FEET

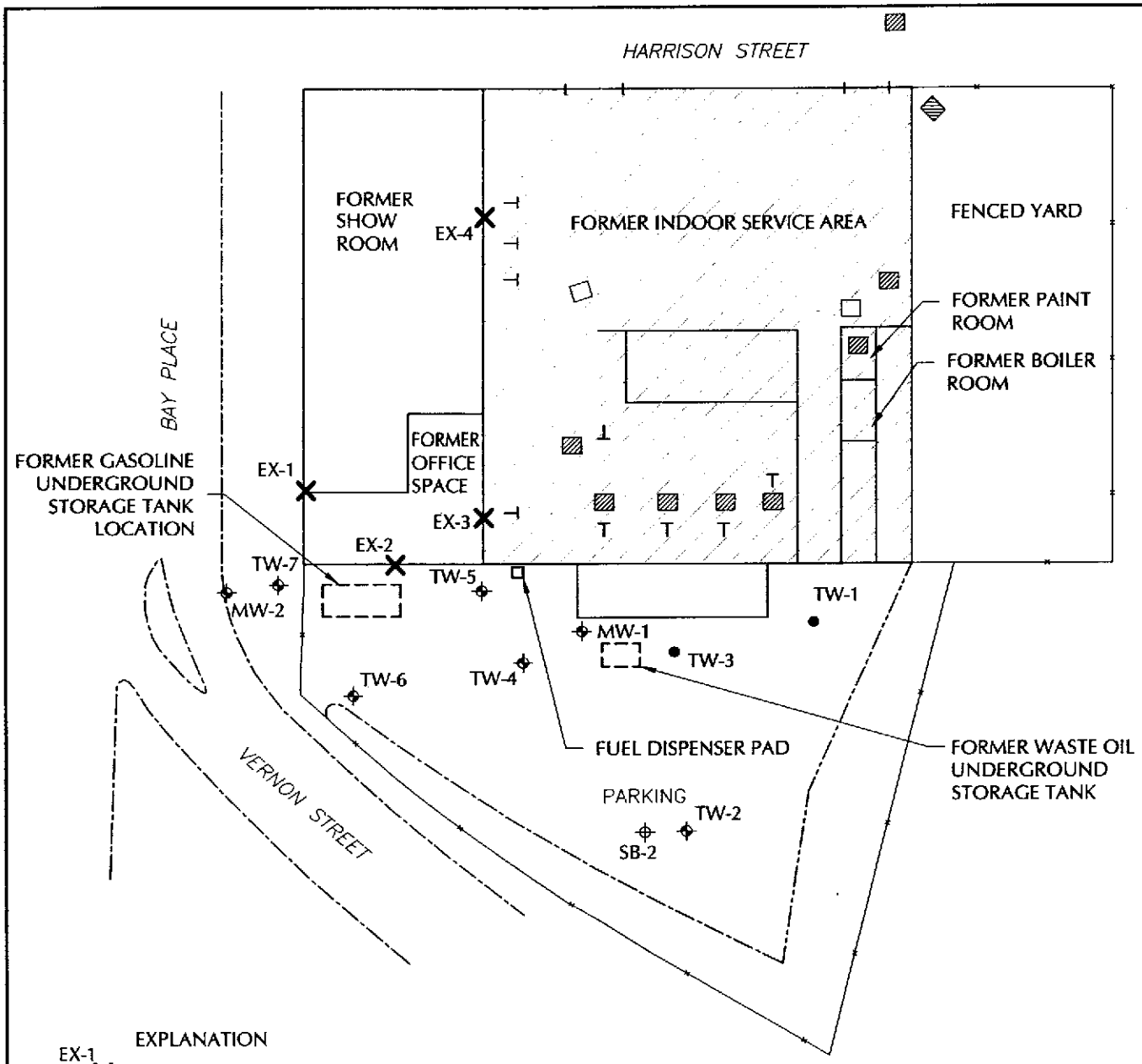
Cross Section Location Map

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 3

I:\Design\001\09171\04\000\DWG\Utilities and Cross Section Location Map.dwg, Concentrations in soil, 11/22/2004 09:55:50 AM



NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE

Site Plan

Former Cox Cadillac, 230 Bay Place, Oakland, California

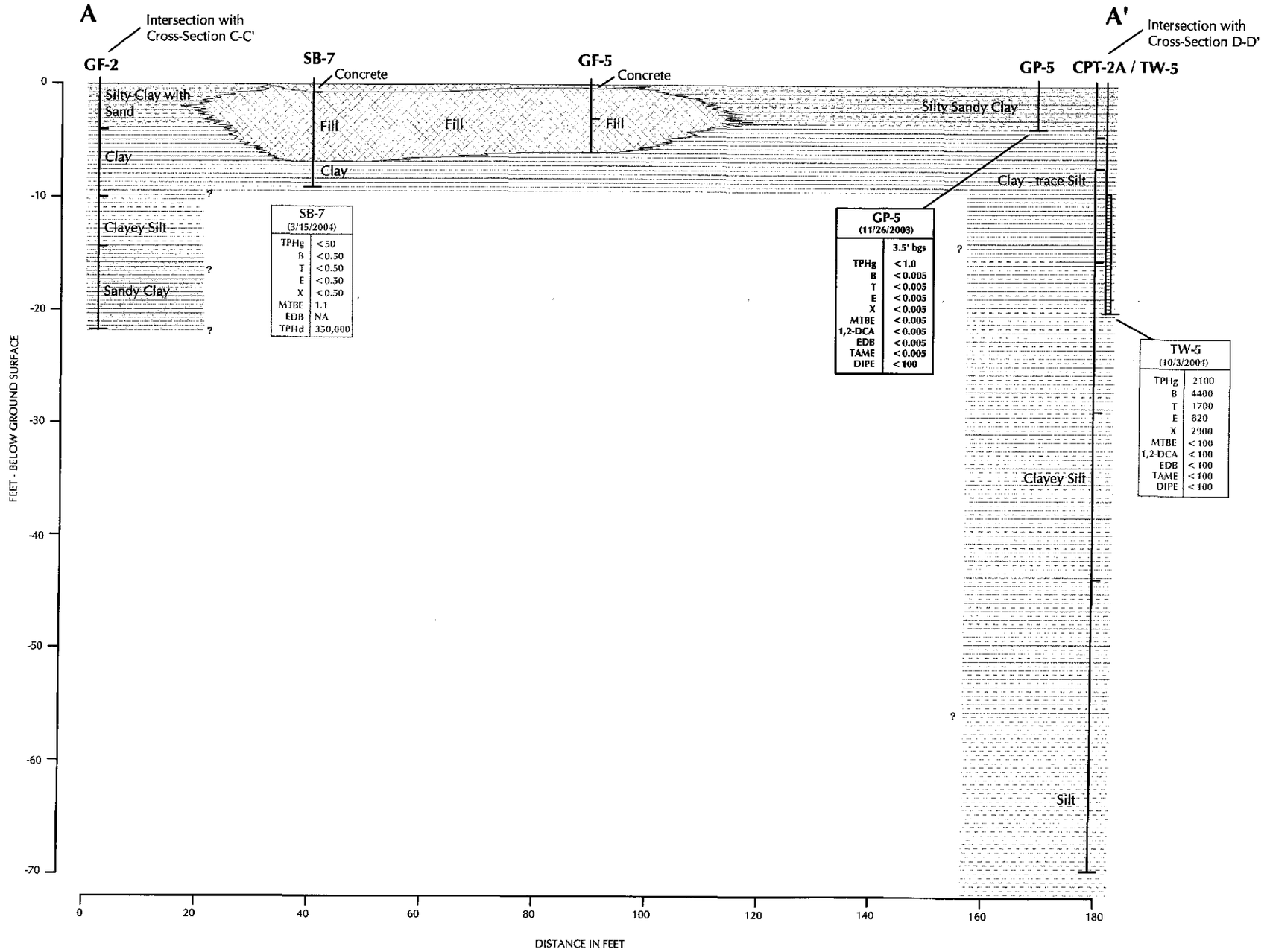
LFR LEVINE•FRICKE

Figure 2

I:\Design\001\09171\04\000\DWG\Site Plan.dwg, Site Plan, 11/22/2004 09:53:08 AM

North - Northwest

South - Southeast



EXPLANATION

- CLAY
- SILT
- SAND
- GRAVEL
- FILL MATERIAL

GP-5 (3/15/2004) — LOCATION ID; DATE OF SAMPLE COLLECTION
TPHg 3.5' bgs <1.0 — DEPTH OF SAMPLE FEET BELOW GROUND SURFACE (bgs)

SOIL DATA (BLACK TEXT) REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)

GROUNDWATER DATA (BLUE TEXT) REPORTED IN MICROGRAMS PER LITER (µg/l)

TPHd = TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = XYLENE
MTBE = METHYL TERTIARY BUTYL ETHER
EDB = ETHELYNE DIBROMIDE
TAME = TERTIARY AMYL METHYL ETHER
DIPE = DI-ISOPROPYL ETHER
1,2-DCA = 1,2-DICHLOROETHANE
NA = NOT ANALYZED
ND = NOT DETECTED

10 FEET
0
0
20 FEET
VERTICAL EXAGGERATION = 2X

North/Northwest - South/Southeast
Cross Section A-A'

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 4

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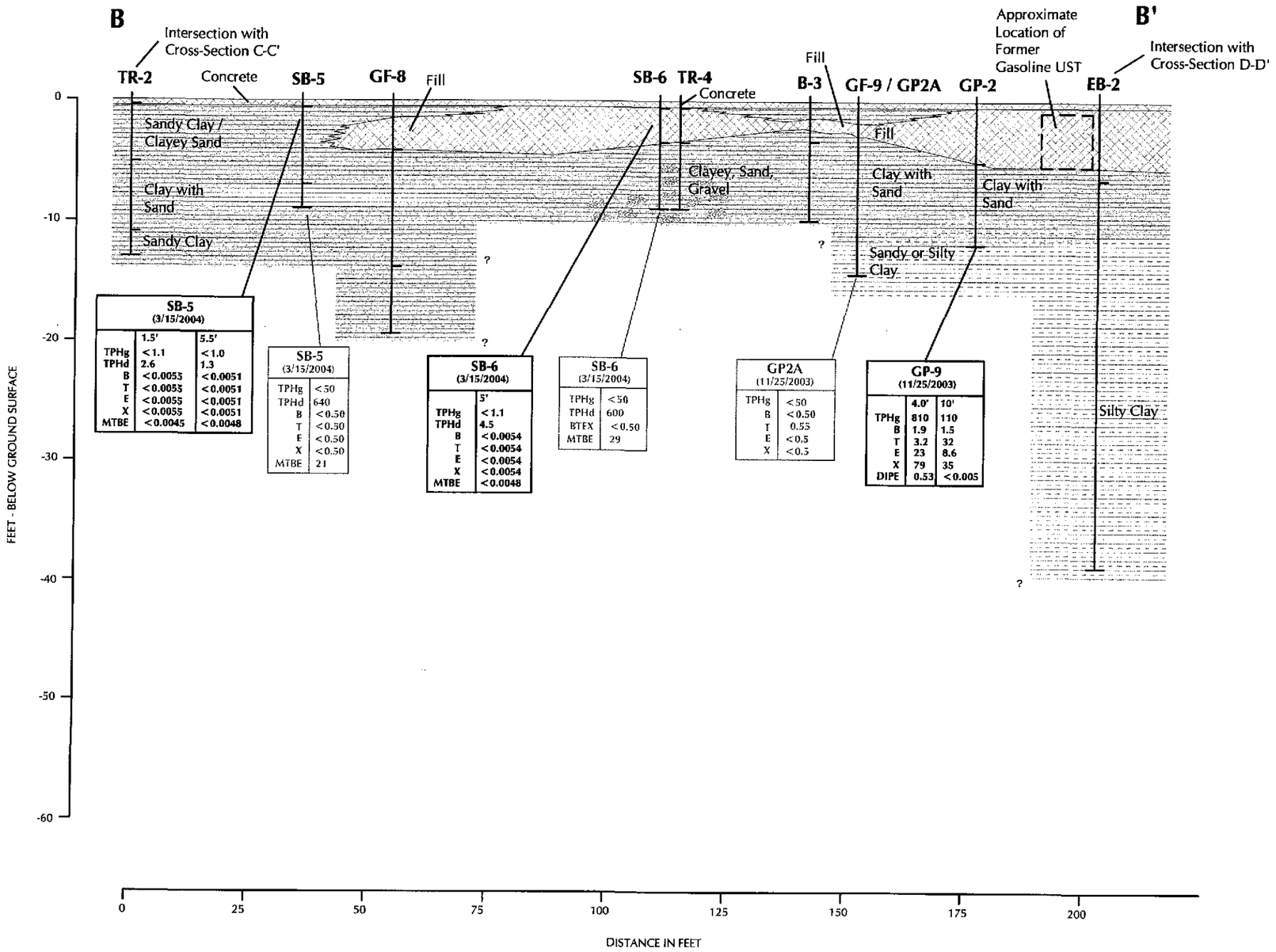
North - Northwest

South - Southeast



EXPLANATION

- CLAY
- SILT
- SAND
- GRAVEL
- FILL MATERIAL

GP-9 (3/15/2004) TPHg 40' bgs 810
- LOCATION ID
- DATE OF SAMPLE COLLECTION
- DEPTH OF SAMPLE FEET BELOW GROUND SURFACE (bgs)

SOIL DATA (BLACK TEXT) REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)

GROUNDWATER DATA (BLUE TEXT) REPORTED IN MICROGRAMS PER LITER (µg/l)

TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

TPHd = TOTAL PETROLEUM HYDROCARBONS AS DIESEL

B = BENZENE

T = TOLUENE

E = ETHYLBENZENE

X = XYLENE

MTBE = METHYL TERTIARY BUTYL ETHER

DIPE = DI-ISOPROPYL ETHER

ND = NOT DETECTED

10 FEET
0
0 25 FEET

VERTICAL EXAGGERATION = 2.5X

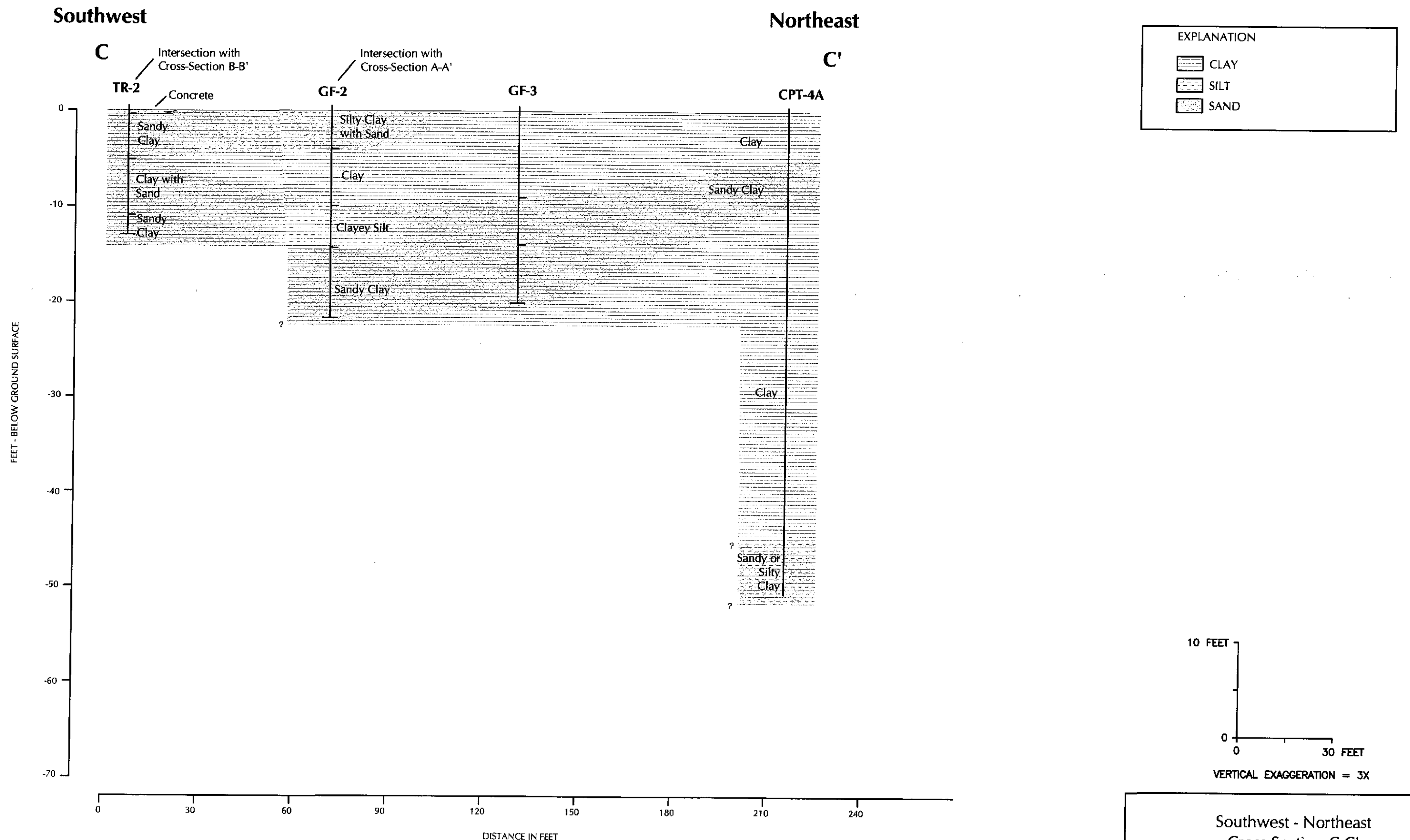
North/Northwest - South/Southeast
Cross Section B-B'

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE • FRICKE

Figure 5

I:\Design\001\09171\11\dwg\X-SECTIONS_08-04.dwg, BB, 11/08/2004 11:07:59 AM



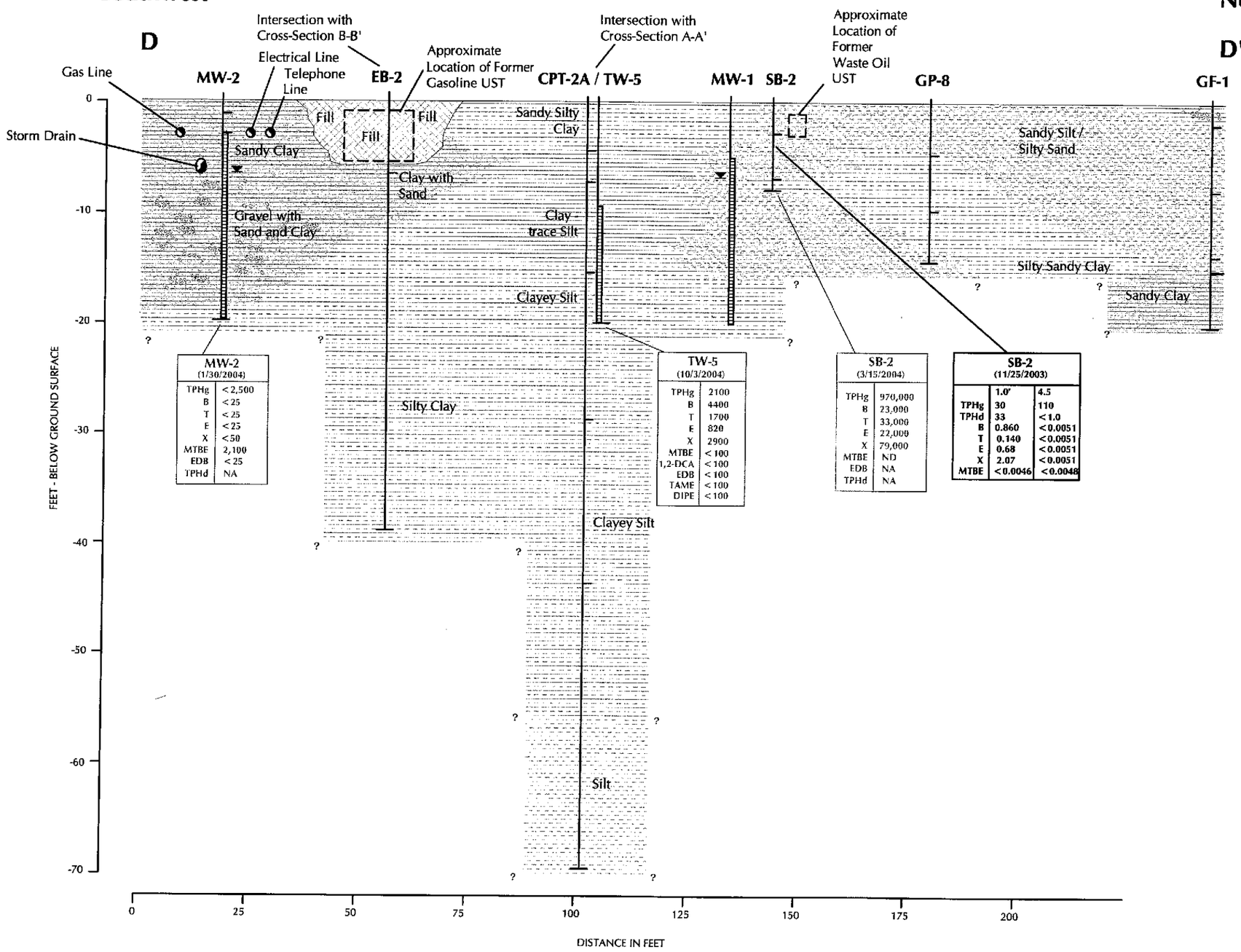
Southwest - Northeast
Cross Section C-C'

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 6

I:\Design\001\09171\11\dwg\X-SECTIONS_08-04.dwg, CC, 11/08/2004 11:05:28 AM



EXPLANATION

- CLAY
- SILT
- SAND
- GRAVEL
- FILL MATERIAL
- GROUNDWATER LEVEL
- MONITORING WELL SCREENED INTERVAL

SB-2 — LOCATION ID
(3/15/2004) — DATE OF SAMPLE COLLECTION
TPHg <1.0 — 3.5' bgs — DEPTH OF SAMPLE FEET BELOW GROUND SURFACE (bgs)

SOIL DATA (BLACK TEXT) REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)

GROUNDWATER DATA (BLUE TEXT) REPORTED IN MICROGRAMS PER LITER (µg/l)

TPHg = TOTAL PETROLEUM HYDROCARBON AS GASOLINE
TPHd = TOTAL PETROLEUM HYDROCARBON AS DIESEL
B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = XYLENE
MTBE = METHYL TERTIARY BUTYL ETHER
EDB = ETHELYNE DIBROMIDE
NA = NOT ANALYZED
ND = NOT DETECTED

10 FEET
0
0 25 FEET
VERTICAL EXAGGERATION = 2.5X

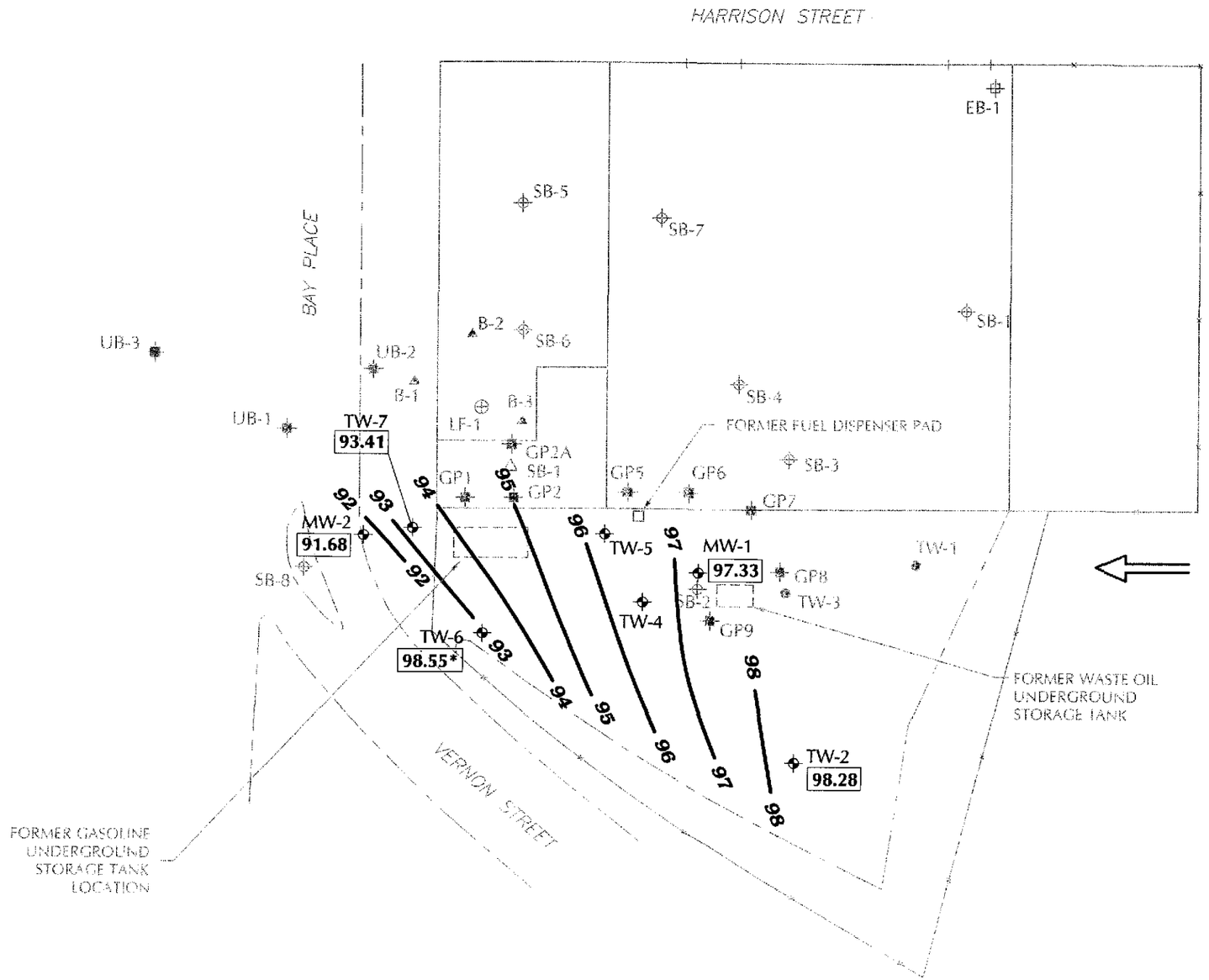
Southwest - Northeast Cross Section D-D'

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE • FRICKE

Figure 7

I:\Design\001\09171\11\dwg\X-SECTIONS_08-04.dwg, DD, 11/08/2004 11:29:05 AM



EXPLANATION

MW-1/TW-2 — GROUNDWATER MONITORING WELL LOCATION

97.33 — GROUNDWATER ELEVATION BASED ON SITE DATUM

93 — 93 — GROUNDWATER ELEVATION CONTOUR

* — NOT USED TO CALCULATE GRADIENT

⟸ — APPROXIMATE DIRECTION OF GROUNDWATER FLOW

0 50 FEET

NOTES:

1. LOCATIONS OF ALL FEATURES DEPICTED ARE APPROXIMATE

SOURCE: ETIC, 2004

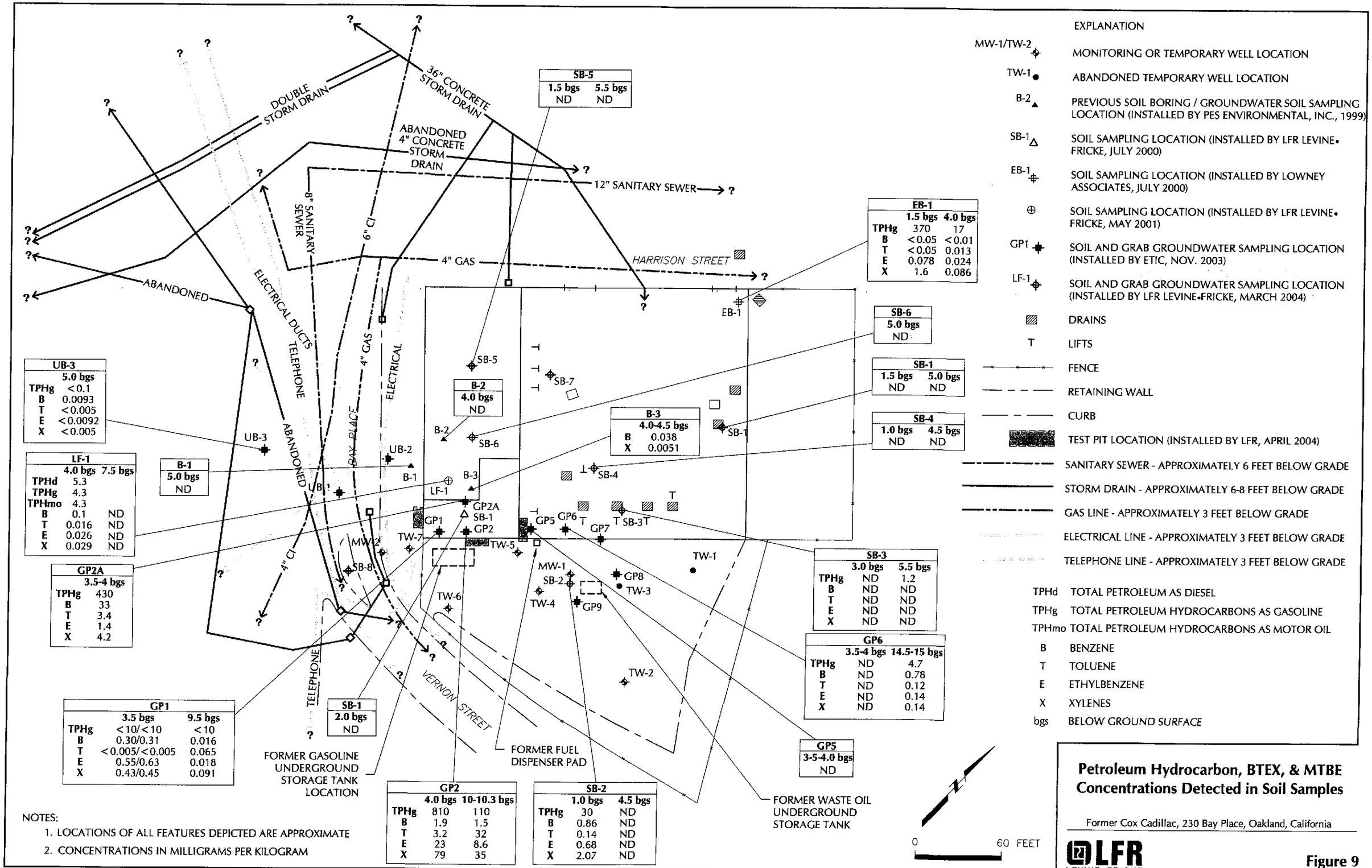
Groundwater Elevation Data
January 2004

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 8

I:\Design\001\09171\04\000\DWG\GWE data.dwg, GWE Data, 11/08/2004 11:35:21 AM



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)
- SANITARY SEWER - APPROXIMATELY 6 FEET BELOW GRADE
- STORM DRAIN - APPROXIMATELY 6-8 FEET BELOW GRADE
- GAS LINE - APPROXIMATELY 3 FEET BELOW GRADE
- ELECTRICAL LINE - APPROXIMATELY 3 FEET BELOW GRADE
- TELEPHONE LINE - APPROXIMATELY 3 FEET BELOW GRADE

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
bgs BELOW GROUND SURFACE

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

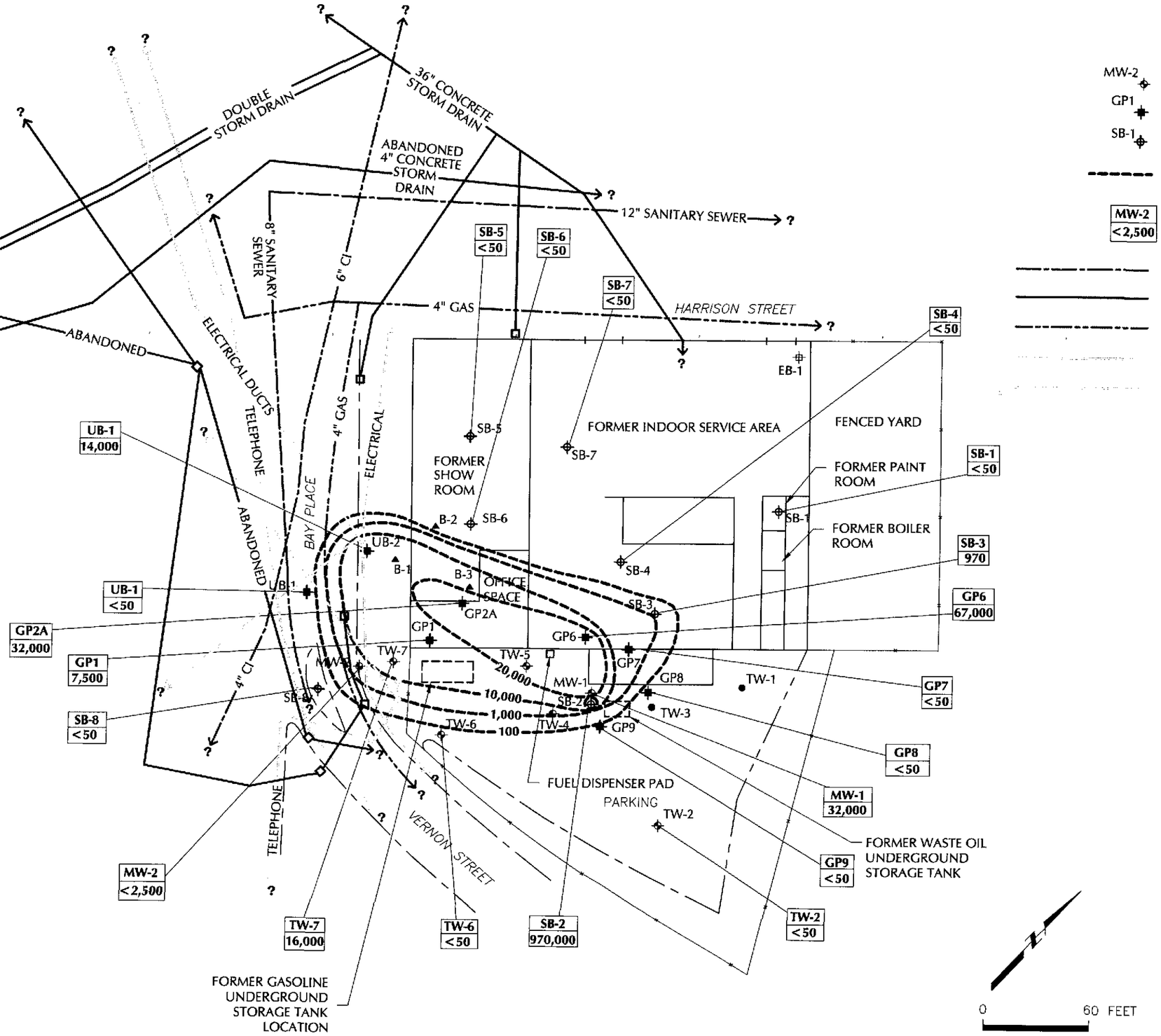
Petroleum Hydrocarbon, BTEX, & MTBE Concentrations Detected in Soil Samples

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE•FRICKE

Figure 9

I:\Design\001\09171\04\000\DWG\Concentrations in Soil TPH_BTEX_MTBE.dwg, PETROLEUM HYDROCARBON, 11/08/2004 10:43:00 AM



EXPLANATION

- MW-2 — MONITORING WELL LOCATION (Sampled Jan. 2004 by ETIC)
- GP1 — GRAB GROUNDWATER LOCATION (Sampled Nov. 2003 by ETIC)
- SB-1 — GRAB GROUNDWATER LOCATION (Sampled Mar. 2004 by LFR)
- ISO-CONCENTRATION CONTOUR
- MW-2 / <2,500 — SAMPLE ID / CHEMICAL CONCENTRATION (MICROGRAMS PER LITER)
- SANITARY SEWER - APPROXIMATELY 6 FEET BELOW GRADE
- STORM DRAIN - APPROXIMATELY 6-8 FEET BELOW GRADE
- GAS LINE - APPROXIMATELY 3 FEET BELOW GRADE
- ELECTRICAL LINE - APPROXIMATELY 3 FEET BELOW GRADE
- TELEPHONE LINE - APPROXIMATELY 3 FEET BELOW GRADE

NOTES:

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

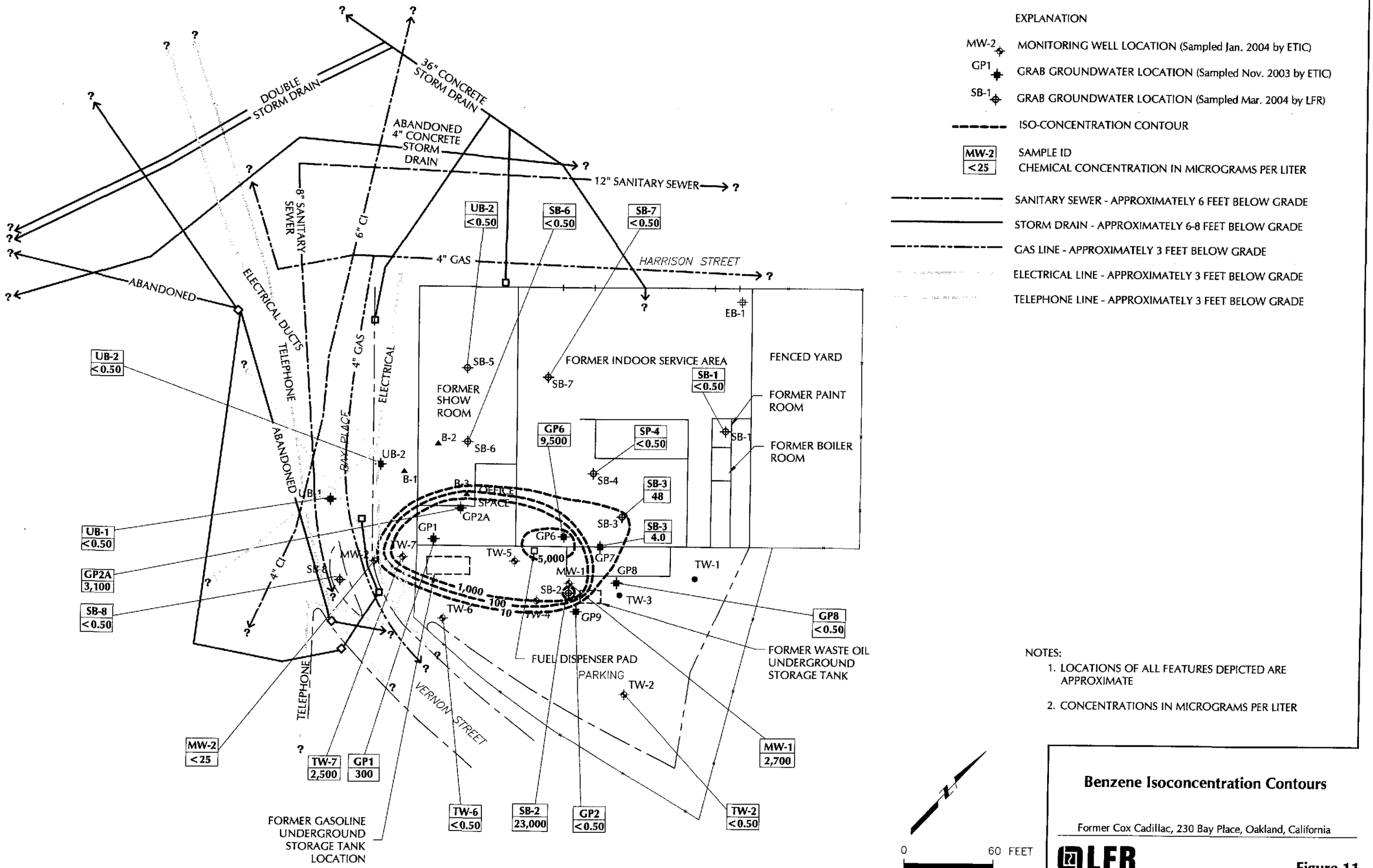
Total Petroleum Hydrocarbons as Gasoline Isoconcentration Contours

Former Cox Cadillac, 230 Bay Place, Oakland, California

LFR LEVINE • FRICKE

Figure 10

I:\Design\001\09171\04\000\DWG\TPH as Gas.dwg, TPH ISOconcentration Contours, 11/08/2004 10:39:07 AM



EXPLANATION

- MW-2 — MONITORING WELL LOCATION (Sampled Jan. 2004 by ETIC)
- GP1 — GRAB GROUNDWATER LOCATION (Sampled Nov. 2003 by ETIC)
- SB-1 — GRAB GROUNDWATER LOCATION (Sampled Mar. 2004 by LFR)
- ISO-CONCENTRATION CONTOUR
- MW-2 / <25 — SAMPLE ID / CHEMICAL CONCENTRATION IN MICROGRAMS PER LITER
- SANITARY SEWER - APPROXIMATELY 6 FEET BELOW GRADE
- STORM DRAIN - APPROXIMATELY 6-8 FEET BELOW GRADE
- GAS LINE - APPROXIMATELY 3 FEET BELOW GRADE
- ELECTRICAL LINE - APPROXIMATELY 3 FEET BELOW GRADE
- TELEPHONE LINE - APPROXIMATELY 3 FEET BELOW GRADE

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\09171\04\000\DWG\Benzene.dwg, Benzene ISOconcentration Contours, 11/08/2004 10:25:53 AM

EXPLANATION

- MW-2 — MONITORING WELL LOCATION (Sampled Jan. 2004 by ETIC)
- GP1 — GRAB GROUNDWATER LOCATION (Sampled Nov. 2003 by ETIC)
- SB-1 — GRAB GROUNDWATER LOCATION (Sampled Mar. 2004 by LFR)
- ISO-CONCENTRATION CONTOUR
- SB-7 / 1.1 — SAMPLE ID / CHEMICAL CONCENTRATION IN MICROGRAMS PER LITER
- SANITARY SEWER - APPROXIMATELY 6 FEET BELOW GRADE
- STORM DRAIN - APPROXIMATELY 6-8 FEET BELOW GRADE
- GAS LINE - APPROXIMATELY 3 FEET BELOW GRADE
- ELECTRICAL LINE - APPROXIMATELY 3 FEET BELOW GRADE
- TELEPHONE LINE - APPROXIMATELY 3 FEET BELOW GRADE

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\001\09171\04\000\DWG\mtbe.dwg, MTBE, 11/08/2004 10:25:33 AM

APPENDIX A

LFR Levine-Fricke Lithologic Logs

Depth, feet	Graphic Log	Description	Sample No. and Interval	Percent Recovery
		LITHOLOGY		**SAMPLE DATA**
		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. BOTTOM OF BORING AT 8 FEET.		113 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			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			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-7 *(page 1 of 1)*

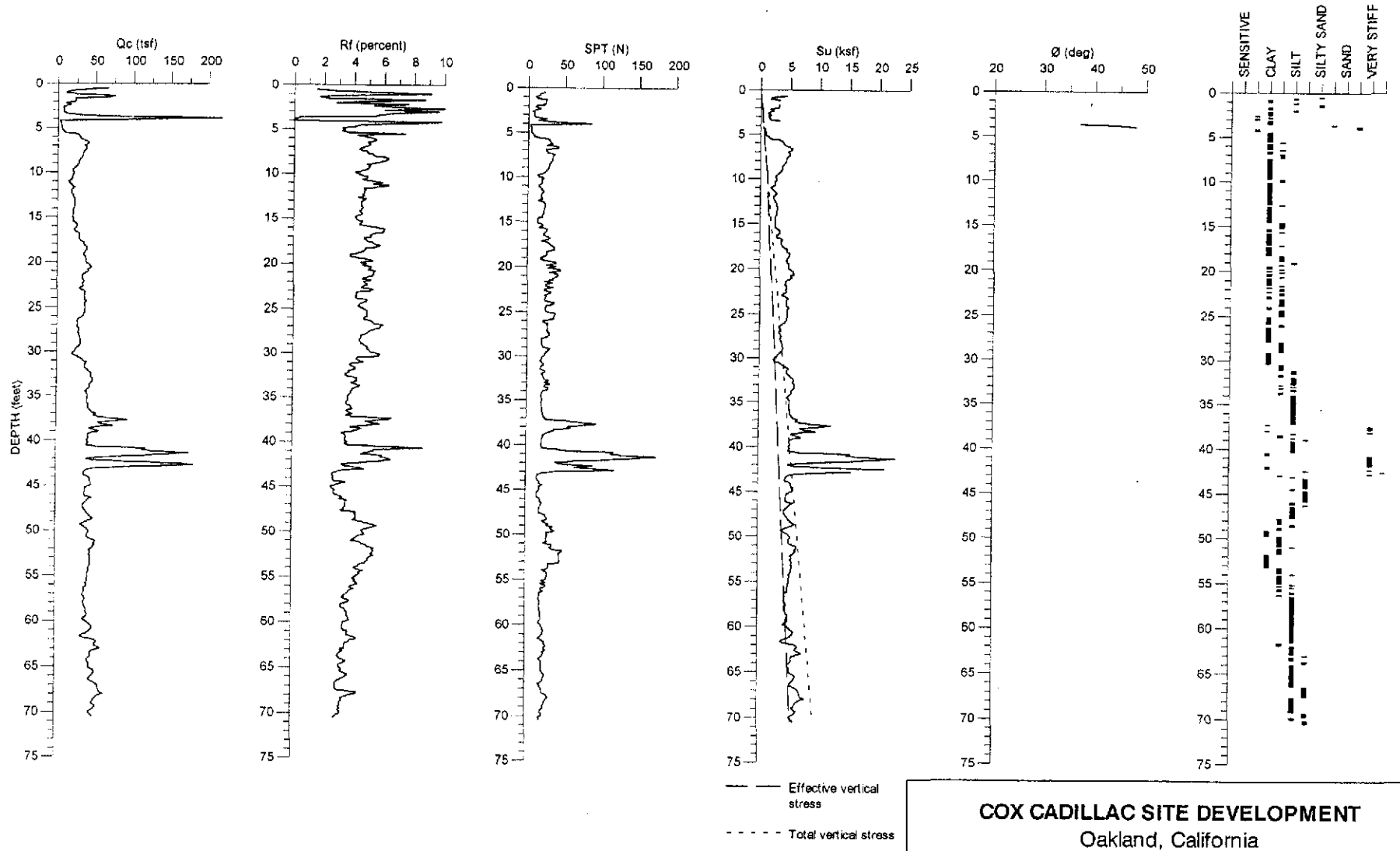
LFR LEVINE•FRICKE

Former Cox Cadillac, 230 Bay Place
Oakland, California

09171-Boring Log SB-7.CDR 080304

APPENDIX B

Others' Lithologic Logs



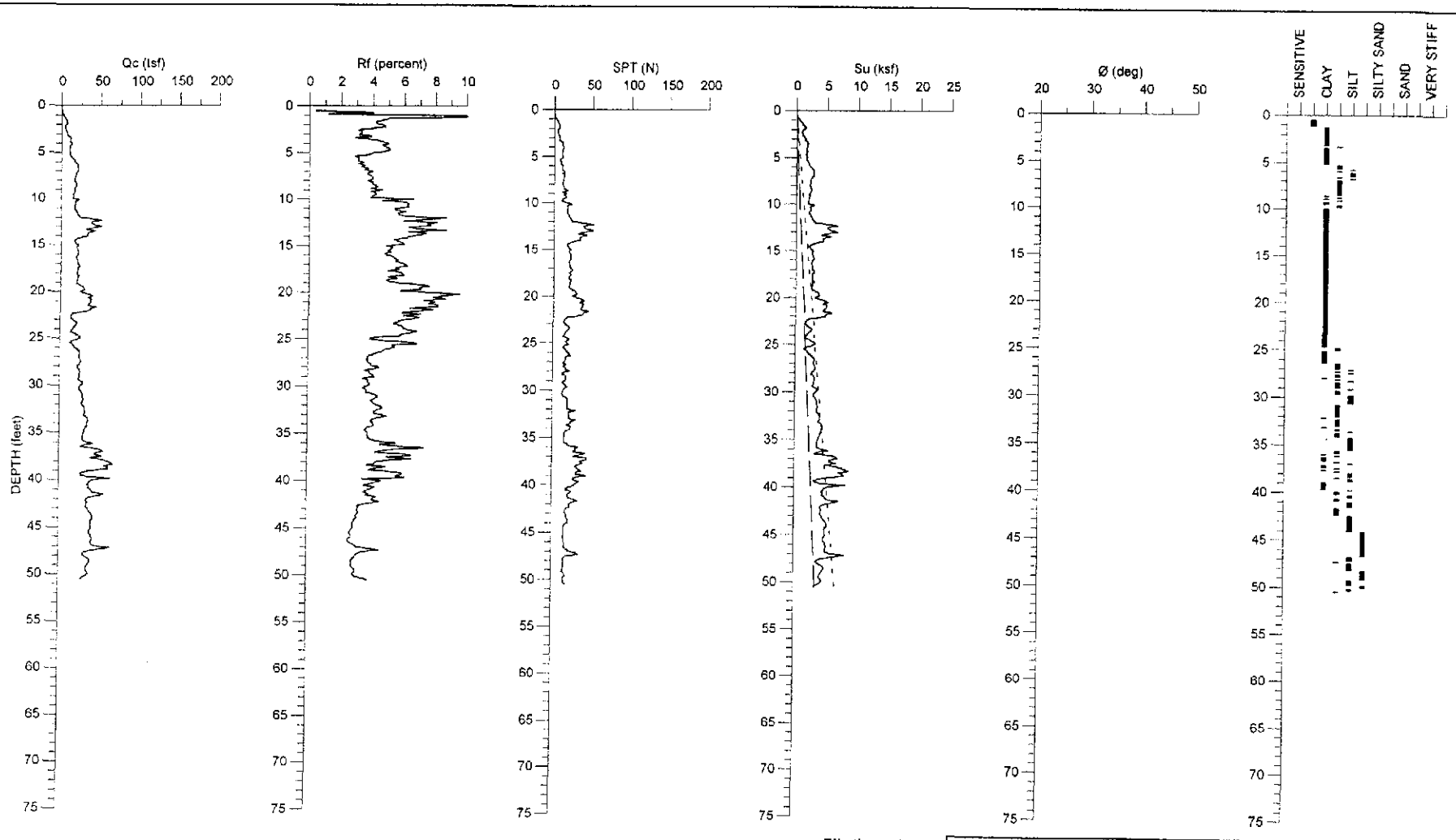
Terminated at 70.5 feet
Groundwater estimated at 9 feet.
Date performed: 2/3/04.
Elevation: 9.5 feet, datum: City of Oakland Datum.

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						
1–5	S&H		4	SP-SC	SAND with CLAY (SP-SC) brown, loose, moist, trace gravel						
2–3											
4	SPT		3		▽ (5/8/04, 1:05 PM)						
4–5					very loose, wet						
5–8	SPT		4	CH	CLAY with SAND (CH) dark gray, soft, wet, coarse sand, trace fine gravel FILL						
6–7											
8–9	S&H		2		very soft, heavy organics, contains stiffer clods within overall soft matrix, with gravel						
10–11	S&H	•	3								
12–13	S&H		10	CL	SANDY CLAY (CL) olive-brown, stiff, wet						
14–30											

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]						
0					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					Boring met practical refusal during drilling at 7.5 feet; sampler advanced to 9 feet.						
10–30											

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		
	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
5						
	1 - 2		45	gravelly clayey SAND - orange-brown; slightly moist; medium dense	105.1	21.7
10						
	1 - 3		48	clayey SAND - grey-brown; slightly moist to moist; medium dense to dense		
15				sandy CLAY - dark grey & black; wet; very stiff to hard		
	1 - 4		40		110.5	18.4
20						
				Groundwater encountered at 8 feet, rose to surface after 1.5 hours.		
25				Bottom of boring at 20 feet		
				Drilled on 04/05/01		
				Logged by dd/ba		
30				Mobile B-24 drilling rig		
				Modified California sampler		
				140# hammer		
35						

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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		
10	2 - 1		11		94.8	29.3
				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		
30				Mobile B-24 drilling rig		
				Modified California sampler		
				140# hammer		
35						

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Figure A2 - Log of Boring GF-2

LOG OF BORING

DEPTH (ft)	SAMPLE NO.	SAMPLE LOC.	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. Bottom of boring at 20 feet Drilled on 04/05/01 Logged by ba Mobile B-24 drilling rig Modified California sampler 140# hammer		
30						
35						

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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						
	7 - 2		70	CLAY - mottled orange & grey-brown; slightly moist; hard		
15						
	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		
30				Mobile B-24 drilling rig		
				Modified California & Split Spoon samplers		
				140# hammer		
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						
15	9 - 1		46	CLAY with sand - mottled orange & grey-brown; slightly moist; very stiff		
20						
25				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		
30						
35						

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Figure A - Log of Boring GF-9

EXPLORATORY BORING: EB-2

Sheet 1 of 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)	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)
			SURFACE ELEVATION:							○ Pocket Penetrometer, △ Torvane, ● Unconfined Compression, ▲ U-U Triaxial Compression; 1.0 2.0 3.0 4.0
	0		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 Plasticity Index = 47, Liquid Limit = 72		27		25	100		△ ○
	10				30		35	89		△ ○
					52		18	114		○
	15									
				CL	31		24			
	20									
					38		19	107		○
	25									
					68		18			
	30									

DRAFT

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									

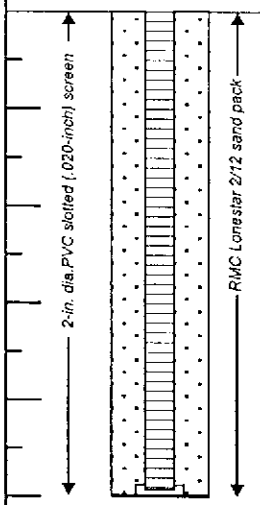
Undrained Shear Strength (ksf): ○ Pocket Penetrometer; △ Torvane; ● Unconfined Compression; ▲ U-U Triaxial Compression; 1.0 2.0 3.0 4.0

GROUND WATER OBSERVATIONS:
NO FREE GROUNDWATER ENCOUNTERED

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF MONITORING WELL MW-2



BLOWS/6 IN.	PID (PPM)	DEPTH (FT)	GRAPHIC LOG	MATERIALS DESCRIPTION
	0	16		
	0			
	0			
	0	18		YELLOW BROWN SANDY CLAY (CL) 10YR 5/4, moist, very stiff.
		20		*Bottom of borehole @ 20.0 feet below ground surface.* *Monitoring Well MW-2 installed.*
		22		
		24		
		26		
		28		
		30		

1670201001_MW-2.CDR

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

ANALYTICAL REPORT

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.

[redacted] H [redacted] O [redacted] U [redacted] D [redacted] AN [redacted] YS [redacted] R [redacted] UE [redacted] F [redacted] M [redacted] 171973 [redacted]

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

PROJECT NO.: 001-09171
SECTION NO.:
DATE: 4/27/04
SAMPLER'S INITIALS: DMG
SERIAL NO.: № 200258
PROJECT NAME: Cox Cadillac
SAMPLER (Signature): [signature]

Sample ID.	Date	Time	Lab Sample No.	No. of Containers	Soil / Concrete	Water	TPHd (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8021/602)	VOCs (EPA 8260/624)*	Metals (EPA 6010/7000)** Title 22								Standard	RUSH:	HOLD	REMARKS
EX-3-0	4/27	0848		1	✓		✓	✓	✓		✓								✓			
EX-1-0	↓	0925		1	✓		✓	✓	✓		✓								↓			
EX-1-1.5	↓	1230		1	✓		✓	✓	✓		✓								↓			
EX-4-0	↓	1600		1	✓		✓	✓	✓		✓								↓			

REMARKS:
* VOCs: ☐ 8260 List ☐ 8240 List ☐ 8010 List ☐ 624 List
** Metals: ☐ CAM17 ☐ RCRA ☐ LUFT

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

ANALYTICAL LABORATORY:

METHOD OF SHIPMENT:
LAB REPORT NO.:
FAX COC CONFIRMATION TO:
FAX RESULTS TO:
SEND HARDCOPY TO:
SEND EDD TO: EMV.LABEDDS.COM

RELINQUISHED BY: 1
[signature] (SIGNATURE) 4/27 (DATE)
DMGibbs (PRINTED NAME) 1700 (TIME)
LFR (COMPANY)

RELINQUISHED BY: 2
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RELINQUISHED BY: 3
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RECEIVED BY: 1
Tracy Babjar (SIGNATURE) 4/27/04 (DATE)
Tracy Babjar (PRINTED NAME) 1722 (TIME)
C&T (COMPANY)

RECEIVED BY: 2
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(COMPANY)

RECEIVED BY (LABORATORY): 3
(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)
(LABORATORY)

FORM NO: 2001/COC/SXS

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

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

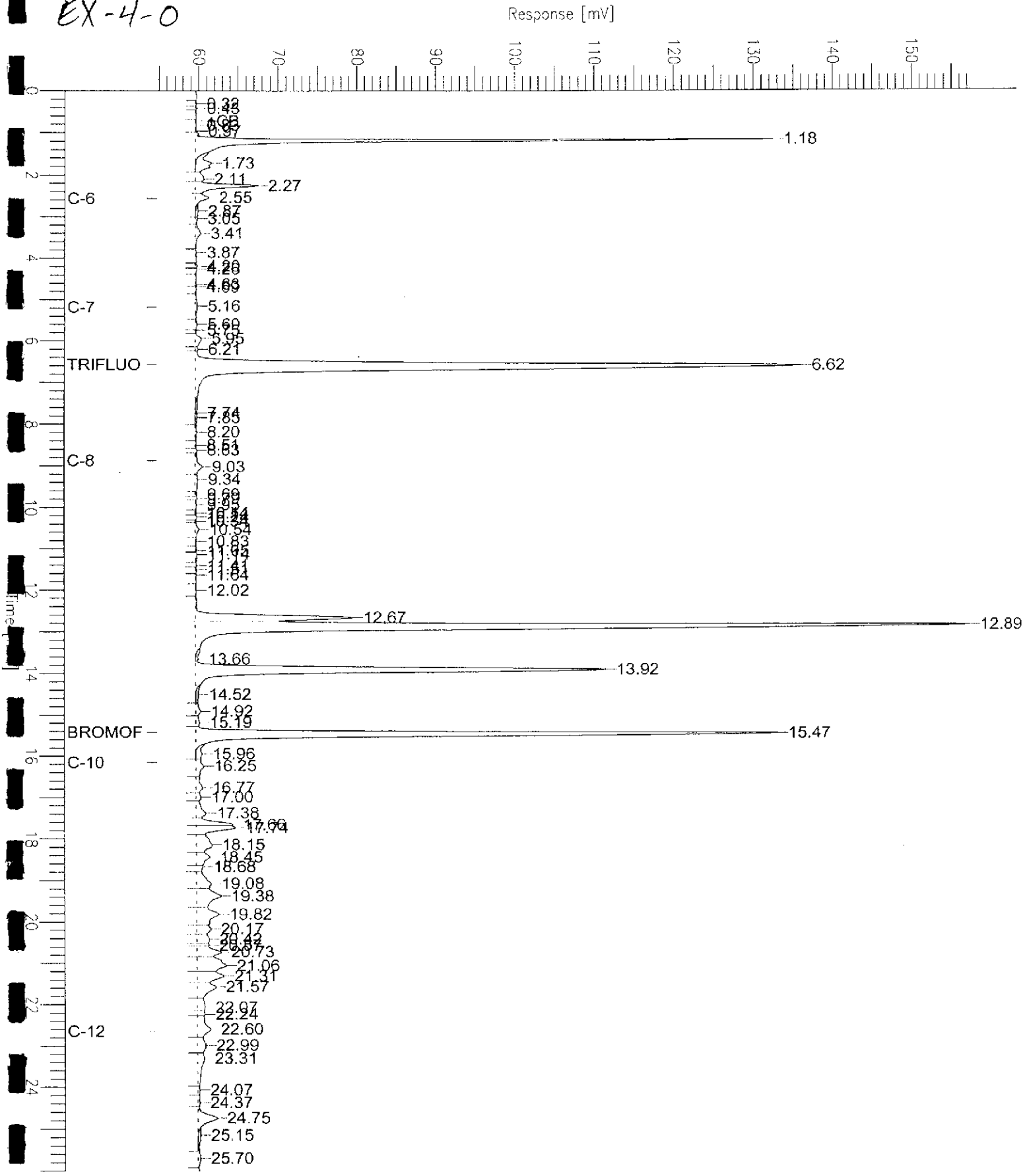
ND= Not Detected
RL= Reporting Limit

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
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-O

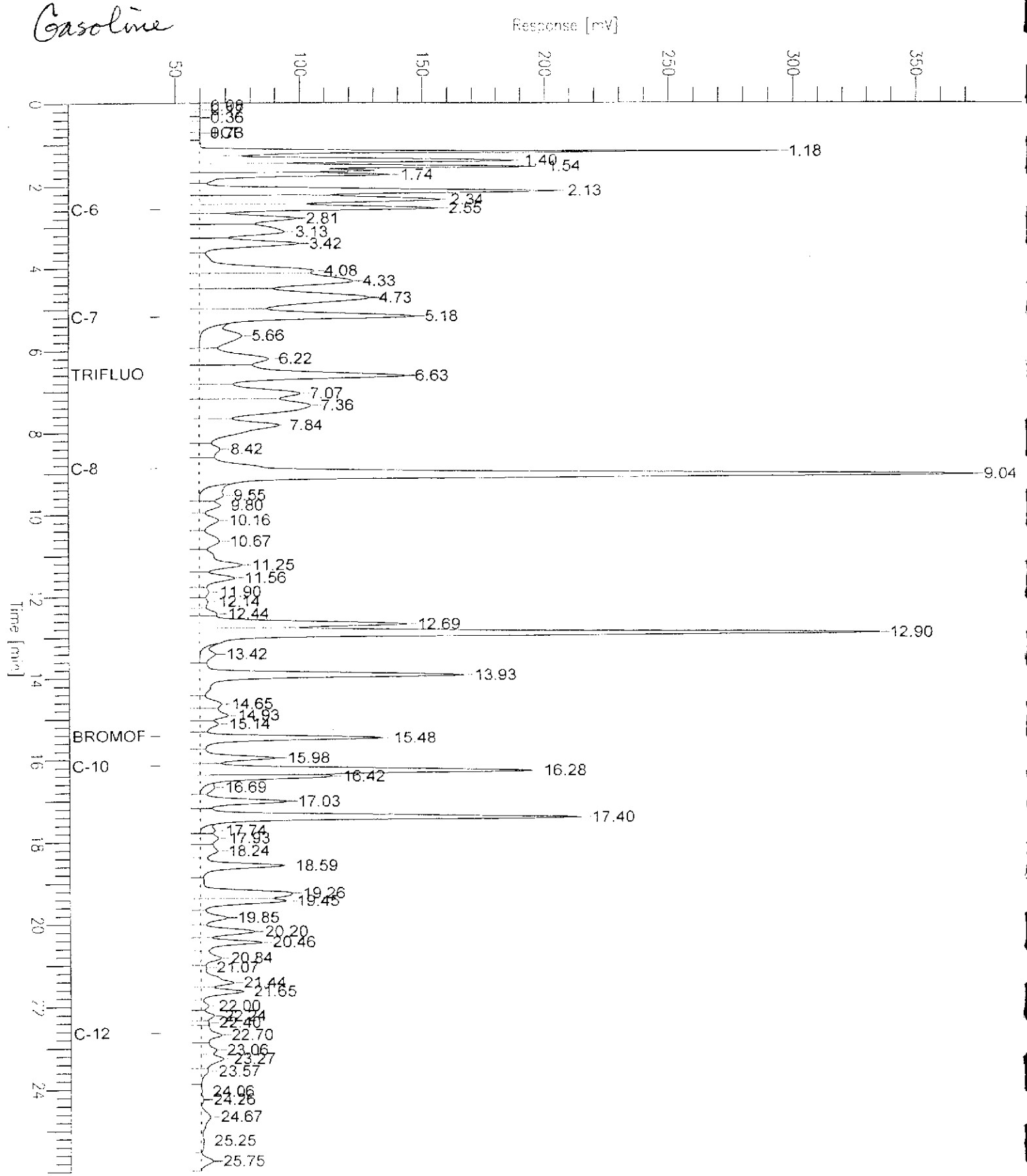


GC04 TVH 'J' Data File FID

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.

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

4.0

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.

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

5.0

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

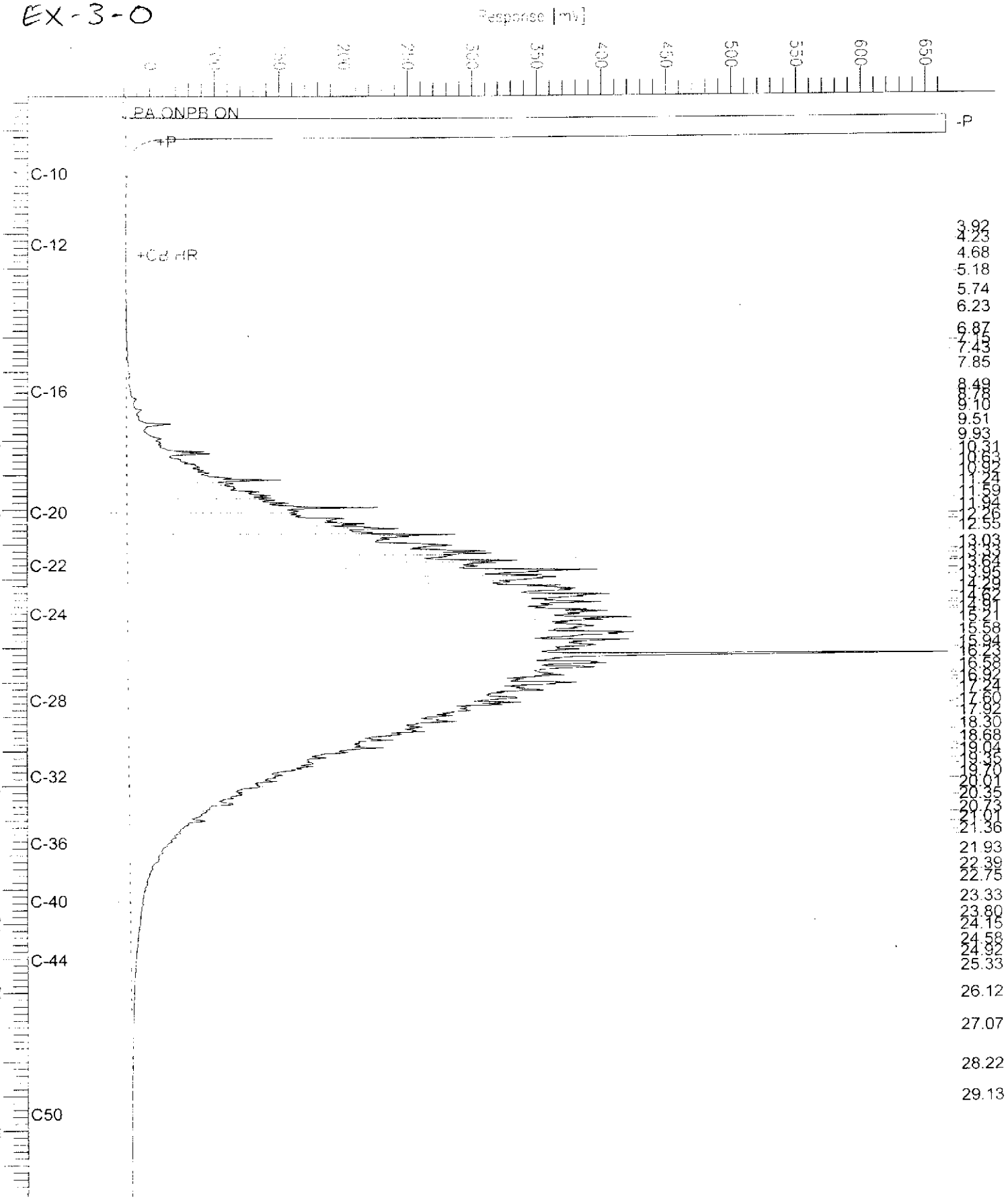
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 171973-001,90701
leName : G:\GC13\CHB\120B005.RAW
thod : BTEH105.MTH
art Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.9 Plot Offset: 28 mV

Sample #: 90701 Page 1 of 1
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

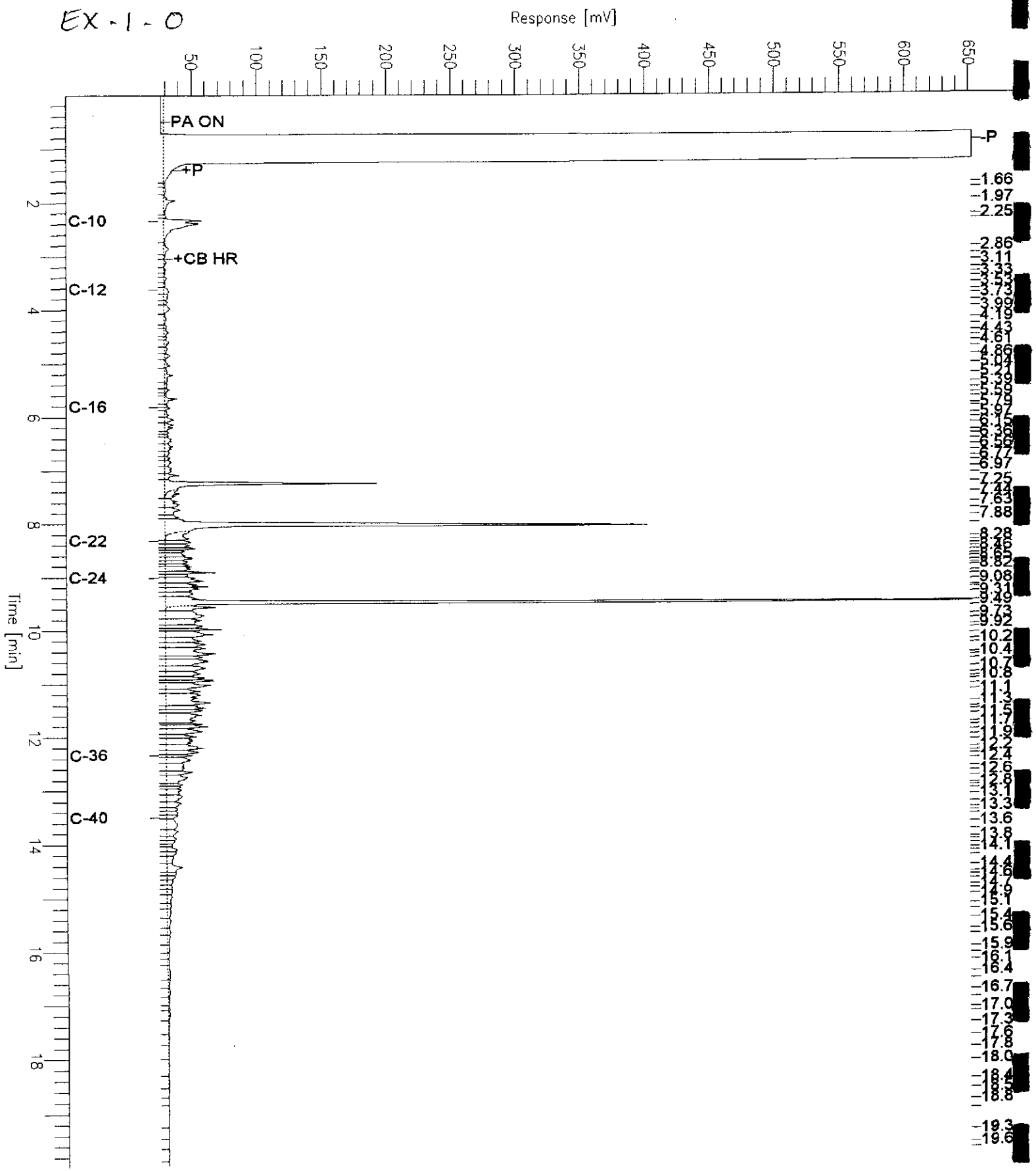


Chromatogram

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
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

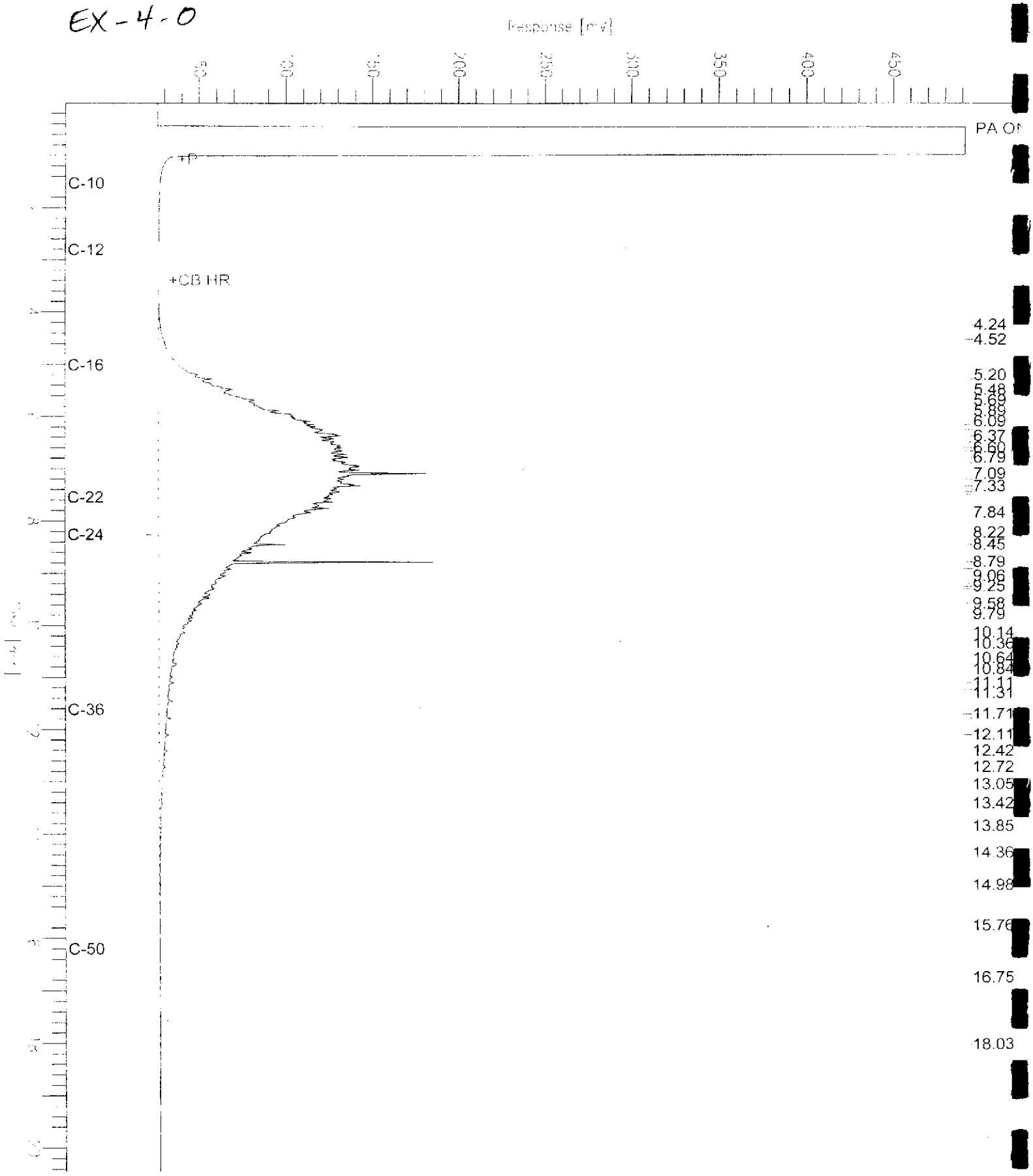
10.0

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



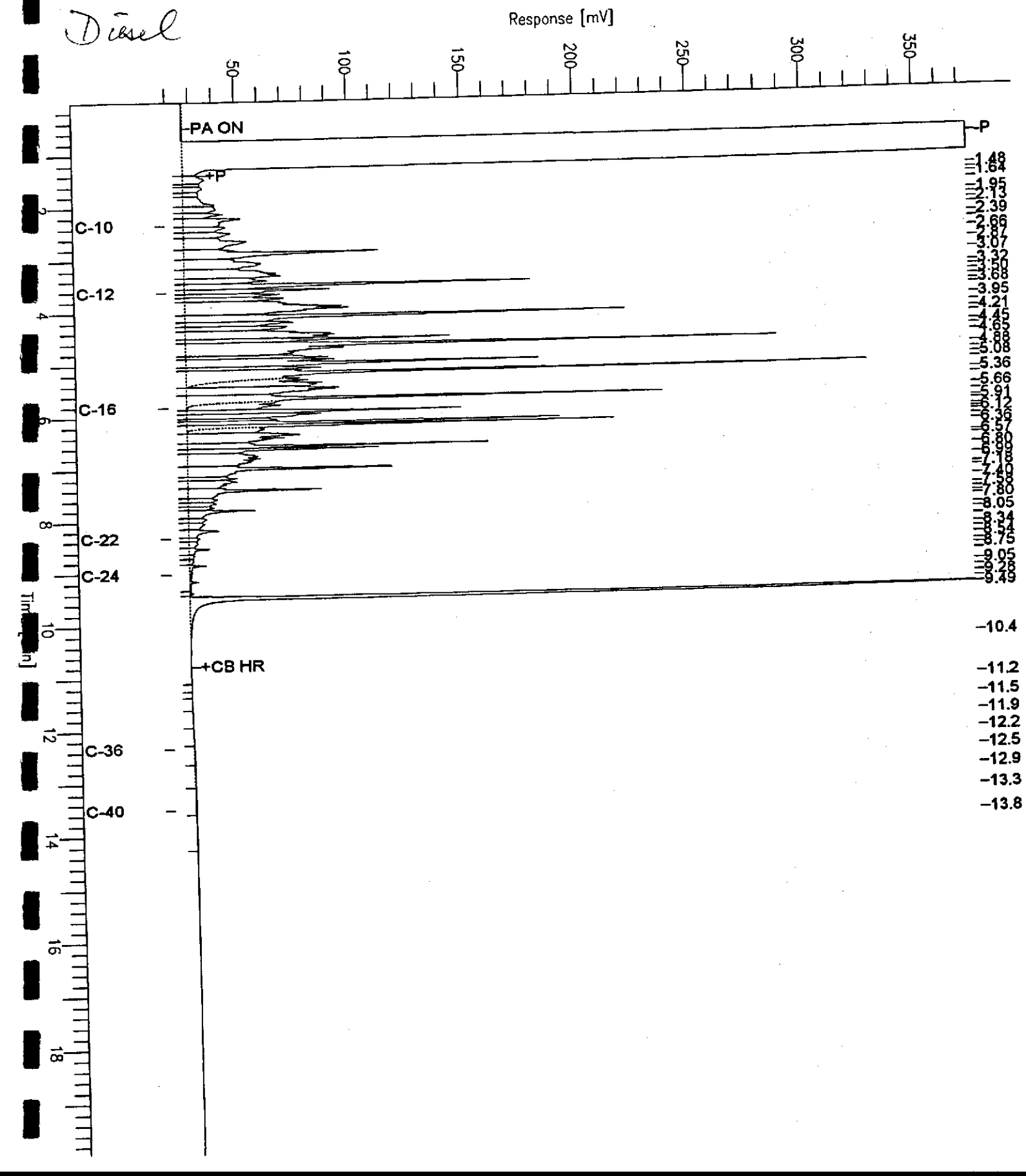
Chromatogram

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
High Point : 373.61 mV
Plot Scale: 354.4 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

12.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-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	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

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

8.0

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	171973	Project#:	001-09171.02
Client:	LFR Levine Fricke	Location:	Cox Cadillac, Oakland
Field ID:	EX-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

14.0

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
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.

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.

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

18.0

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

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

5.0

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	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

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

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

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-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.
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

13.9

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

14.0

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
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

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

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

Surrogate	%REC	Limits
Hexacosane	DO	53-142

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

Analyte	Result	RL
Diesel C10-C24	600 H Y	50

Surrogate	%REC	Limits
Hexacosane	54	53-142

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

Analyte	Result	RL
Diesel C10-C24	970 H Y	50

Surrogate	%REC	Limits
Hexacosane	82	53-142

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

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

21.0

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-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

21.0

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 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

32.0

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 3520C
Project#:	001-0917/1.02	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

3.0

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-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

18.0

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

10.0

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

13.3

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

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
Lab ID: QC244601
Diln Fac: 1.000

Batch#: 89411
Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Type: BLANK
Lab ID: QC244602
Diln Fac: 1.000

Batch#: 89411
Analyzed: 03/18/04

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

11.0

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-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

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-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

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

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:	SB-6-5	Diln Fac:	0.9804
MSS Lab ID:	171165-010	Batch#:	89351
Matrix:	Soil	Sampled:	03/15/04
Units:	ug/Kg	Received:	03/16/04
Basis:	as received	Analyzed:	03/16/04

Type: MS Lab ID: QC244382

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.4000	49.02	45.26	92	66-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120

Type: MSD Lab ID: QC244383

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	49.02	44.97	92	66-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

RPD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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.
Analytical Laboratories, Since 1878

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

3.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

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

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:	ZZZZZZZZZZ	Batch#:	89602
MSS Lab ID:	171172-001	Sampled:	03/15/04
Matrix:	Water	Received:	03/16/04
Units:	ug/L	Prepared:	03/24/04
Diln Fac:	1.000	Analyzed:	03/25/04

Type: MS
Lab ID: QC245361
Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<35.00	2,500	2,510	100	47-139

Surrogate	%REC	Limits
Hexacosane	115	53-142

Type: MSD
Lab ID: QC245362
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,395	96	47-139	5	45

Surrogate	%REC	Limits
Hexacosane	113	53-142

RPD= Relative Percent Difference

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

5.0

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

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-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
Type: SAMPLE
Lab ID: 171165-020
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)	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
Lab ID: QC244467
Batch#: 89379
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
Lab ID: QC244891
Units: ug/Kg
Batch#: 89483
Analyzed: 03/20/04

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.
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	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

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		
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
Lab ID: QC244601
Diln Fac: 1.000

Batch#: 89411
Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Type: BLANK
Lab ID: QC244602
Diln Fac: 1.000

Batch#: 89411
Analyzed: 03/18/04

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

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

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

3.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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.
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 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.
Analytical Laboratories, Since 1878

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

5.0

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

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

12.2

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

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 Lab ID: 171165-017
Type: SAMPLE

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

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

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-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

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		
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
Lab ID: QC244601
Dilu Fac: 1.000

Batch#: 89411
Analyzed: 03/18/04

Analyte	Result	RL
MTBE	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-120

Type: BLANK
Lab ID: QC244602
Dilu Fac: 1.000

Batch#: 89411
Analyzed: 03/18/04

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
Type: SAMPLE
Lab ID: 171973-001

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	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
Type: SAMPLE
Lab ID: 171973-002

Matrix: Miscell.
Analyzed: 04/28/04

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

2.0

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-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

4.0

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:	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

5.0

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

10.0

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

10.0

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

11.0

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

12.0

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-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

6.0

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-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

13.0

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:	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

14.0

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
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

18.0