Summary Report of Assessment of Dichlorobenzene in Soil and Groundwater
Former AAA Equipment Company Property
745 50th Street, Oakland, California
(SLIC Case No. RO0002746;
Geotracker Global ID SL0600186350)
and Learner Investment Company Property
768 46th Avenue, Oakland, California
(SLIC Case No. RO0002478;
Geotracker Global ID SLT20150156)

June 6, 2008
001-09644-00

Prepared for:
Westside Building Materials Corporation
P.O Box 2399
Oakland, California 94614
and
Neu Investment Corporation
c/o GVA Kidder Mathews
505 Sansome Street, Suite 300
San Francisco, California 94111

Prepared by:
LFR Inc.
1900 Powell Street, 12th Floor
Emeryville, California 94608

WESTSIDE BUILDING MATERIAL CORPORATION

FAX (714) 938-0730

(714) 385-1644 • (562) 802-0122

June 6, 2008

Mr. Jerry Wickham
Alameda County Health Care Services
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Summary Report of Assessment of Dichlorobenzene in Soil and Groundwater at the Former AAA Equipment Site at 745 50th Street, Oakland, California (SLIC Case No. RO0002746; Geotracker Global ID SL0600186350), and the Flag Lot portion of the Learner Investment Company property, located at 768 46th Avenue, Oakland, California (SLIC Case No. RO0002478; Geotracker Global ID SLT20150156)

Dear Mr. Wickham:

The enclosed Summary Report was prepared by LFR Inc. (LFR) on behalf of Westside Building Materials Corporation for Former AAA Equipment Site at 745 50th Street, Oakland, California (SLIC Case No. RO0002746; Geotracker Global ID SL0600186350), and the Flag Lot portion of the Learner Investment Company property, located at 768 46th Avenue, Oakland, California (SLIC Case No. RO0002478; Geotracker Global ID SLT20150156 ("the Site"). This report presents the findings of additional subsurface investigations conducted during April 2008 by LFR to further characterize the extent of contamination in specific areas of concern (AOCs) at the Site. The scope of work for the investigations conducted was described in a work plan that was submitted to Alameda County Environmental Health (ACEH) on October 30, 2007, and was approved by ACEH on November 30, 2007.

As required, this report will be submitted electronically via the Alameda County Environmental Cleanup Oversight Program FTP website, and via the Regional Water Quality Control Board's Geotracker electronic submittal system.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report are true and correct to the best of my knowledge. If you have any questions or comments concerning this report, please call me at (714) 385-1644 or Ron Goloubow of LFR at (510) 652-4500.

Sincerely,

Dick Peckham
Westside Building Materials Corporation

Attachment

CONTENTS

TABLES

FIGURES

APPENDICES

CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by an LFR Inc. Professional Geologist.

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

6/6/08
Date

1.0 INTRODUCTION

LFR Inc. (LFR) has prepared this report summarizing the assessment of dichlorobenzene (DCB) in soil and groundwater at the former AAA Equipment Company property, located at 745 50th Street, Oakland, California (SLIC Case No. RO0002746; Geotracker Global ID SL0600186350), and the Flag Lot portion of the Learner Investment Company property, located at 768 46th Avenue, Oakland, California (SLIC Case No. RO0002478; Geotracker Global ID SLT20150156). Both of these properties comprise "the Site" (Figures 1 and 2). The investigation was conducted on behalf of Westside Building Materials Corporation ("Westside"), the current owner of the former AAA Equipment Company property, and the Neu Investment Corporation, the current owner of the former Learner Investment Company property.

LFR understands that the Site and the neighboring properties (Superior Plaster Castings and Pacific Gas and Electric Company [PG&E]) are currently under the oversight of Alameda County Environmental Health (ACEH) with respect to the environmental characterization and remediation of the environmental conditions at these properties. In a letter dated July 11, 2007, ACEH indicated that there is a single plume of DCB-affected groundwater, which reportedly emanates from a source or sources present on each of the four properties, and requested that additional characterization be conducted on the affected properties.

The scope of work for the investigation conducted at the Site was presented in the "Work Plan for Assessment of Dichlorobenzene in Soil and Groundwater, Former AAA Equipment Company Property, 745 50th Street, Oakland, California (SLIC Case No. RO0002746; Geotracker Global ID SL0600186350) and Learner Investment Company Property, 768 46th Avenue, Oakland, California (SLIC Case No. RO0002478; Geotracker Global ID SLT20150156)," dated October 30, 2007 ("the Work Plan"). The Work Plan was prepared by LFR and approved by ACEH on November 30, 2007. Revisions to the approved work plan were requested by ACEH. The modifications to the original scope of work included advancing additional soil borings, collecting additional samples, and conducting additional analyses.

Several environmental investigations have been conducted on the Site and neighboring properties. Analytical results of soil and groundwater samples collected at these sites have contained detectable concentrations of total petroleum hydrocarbon (TPH) as diesel (TPHd), volatile organic compounds (VOCs), including DCB, chlorobenzene (CB), and polynuclear aromatic hydrocarbons (PAHs). Figure 3 illustrates many of the locations of the soil and grab groundwater samples previously collected at the Site, and Figure 4 presents a summary of analytical results of groundwater samples previously collected at the Site and in the site vicinity.

The scope of this investigation included drilling six soil borings to a total depth of approximately 12 feet below ground surface (bgs). Four of the soil borings (DCB-P1

through DCB-P4 were located on a portion the Learner Investment Company property that has been referred to as the "Flag Lot" (Figures 2 and 3). The other two soil borings (DCB-P5 and DCB-P6) were located on the Westside property.

1.2 Objectives

The objective of this investigation is to further characterize the extent of DCB in both soil and groundwater on the Site, and, in conjunction with the other investigations being conducted by other responsible parties at the PG&E and Superior Plaster Castings properties, to obtain data that will further assist in defining the source of the DCBs in groundwater at the Site and site vicinity.

This report presents the methods and results of the recent investigation.

LFR's evaluation of the data collected at the Site includes comparing the concentrations of compounds detected in soil and groundwater samples at the Site to the following human health-based regulatory screening criteria: Environmental Screening Levels (ESLs) for commercial – industrial sites where the groundwater is not a potential source of drinking water.

These ESL screening criteria were established by the Regional Water Quality Control Board (RWQCB). ESLs were developed to address environmental protection. Under most circumstances, the presence of a chemical in soil or groundwater at concentrations below the corresponding ESL can be assumed to not pose a significant threat to human health. ESLs can be obtained from http://www.waterboards.ca.gov/sanfranciscobay/esl.shtml.

1.3 Site Description and Background

The following site description and background information for the Site and site vicinity are based primarily on LFR's review of Sanborn maps, aerial photographs, topographic maps, and a Polk Directory. The Site was vacant in 1925, with the exception of two residences (addressed as 755 and 765 50th Street, respectively) located on the southern portion of the property that borders 50th Street. By 1939, the Independent Construction Company (ICC) began operation on the northern portion of the property. By 1950, ICC was operating an asphalt batch plant on the property, which included the use of two underground storage tanks (USTs) constructed of steel sides and concrete bottoms. There is no record of who installed the USTs; however, the USTs are illustrated on more than one of the Sanborn maps when ICC was present at the Site. The USTs stored petroleum product that was used to produce asphalt. Based on the location of the USTs, the railroad track, and the former pipelines, it is our understanding that product (oil) was shipped by rail cars on rail tracks located approximately 80 feet to the west of the USTs, and then transferred to the USTs via underground pipelines.

By 1961, Independent Construction Company still occupied the property addressed as 741 50th Street; however, the asphalt batch plant was no longer present. The residences addressed as 755 and 765 50th Street were no longer present. Between 1961 and 1969, records indicate that ICC's use of the property included equipment storage, sand blasting, and a paint shop with a pipe painting operation. LFR's review of the city directories indicated that the AJ McCosker Company's office and yard was listed at 741 50th Street in 1955, and West Coast Painting Contractor was listed at that address in 1962. Based on the information provided on Sanborn maps, it appears that these companies may have been subsidiary companies to ICC or co-located at the property.

By 1967, AAA Equipment Company occupied the property and conducted operations at the Site until 2002, when Westside purchased the property. There is very little information available about the AAA Equipment Company operations other than observations made at the time Westside purchased the property. AAA Equipment Company operated as a "junkyard" and likely acquired automobiles and other machinery for resale of the parts. Many racks of used automobile and machinery parts (most were made of metal) were located across the property in 2002. Several 55-gallon drums that held used machinery parts were also located throughout the property.

At the time Westside purchased the property, AAA Equipment Company had removed all of the parts, racks, and drums from the Site. The USTs described above were removed by Westside in September and October 2003, and a report of the removal activities was prepared by LFR (formerly LFR Levine·Fricke) and submitted to ACEH on April 27, 2004. Closure of the tank removal activities that took place in 2004 is still pending.

Westside has since redeveloped the property, covered the entire property with concrete or asphalt, constructed two new buildings, and refurbished and expanded an existing building. The Site is currently operating as Westside/Alta Building Materials and is primarily used as a building materials supply yard. Building materials are stored there prior to loading onto trucks for delivery to construction sites.

1,4-DCB has been detected in groundwater samples collected in the northern corner of the PG&E property, along the former railroad spur at the former Superior Plaster Castings property, and at the Site (Figure 4). In October 1998, 1,4-DCB was detected at 1,500 micrograms per liter (μg/L) in a groundwater sample collected from well WCC-1A, located at the former Superior Plaster Castings property (ATC 1998). In October 1998, 1,4-DCB was detected at 470 μg/L and 68 μg/L in groundwater monitoring wells OW-7 and OW-6, which are located at the PG&E property and are closest to the Superior Plaster Castings property. During the April 2007 groundwater sampling event at the PG&E property, 1,4- DCB was detected at 64 μg/L, 5.0 μg/L, 22 μg/L, and 460 μg/L in samples collected from wells OW-1, OW-5, OW-6, and OW-7 located at the PG&E property (PG&E 2007). 1,4-DCB has been detected at 8.6 μg/L in a grab groundwater sample collected from soil boring B-2, located west of former UST-S on the Site and at 360 μg/L in a grab groundwater sample collected from the excavation of former UST-S (LFR 2004, LFR 2007, and PG&E 2007).

1.4 Geology and Hydrogeology

The Site is located just north of the San Leandro Bay inlet of San Francisco Bay, and is underlain by Bay Mud and fluvial deposits. According to Geomatrix Consultants, the subsurface sediments consist of a thick sequence of alluvial fan deposits (300 to 700 feet thick) and is characterized by low permeability (PG&E 2007).

Soils encountered during drilling consisted predominantly of fine-grained sediments (clays and silts) with thin intervals of coarser-grained sediments (gravels and sands). Soil cores were reviewed for visible or olfactory indications of the presence of petroleum hydrocarbons, and also were field screened using a portable photoionization detector (PID). Field observations and PID readings are noted on lithologic logs, and intervals selected for collecting soil samples for laboratory analyses were selected in part based on the results of the field screening and observations.

The groundwater quality has been described as brackish and of no practical use. Based on observations recorded during the drilling of the soil borings at the Site in April 2008, the upper 12 feet of soils beneath the Site consist of interbedded layers of gravel, sand, silt, and clay. Based on the results of previous investigations at neighboring properties, groundwater in the site vicinity is encountered between approximately 7 to 8 feet bgs, and the groundwater flow direction reported by PG&E (the PG&E property is located adjacent to the southwestern boundary of the Site) is to the southwest. In addition, groundwater elevations may be influenced by tidal fluctuations in nearby San Francisco Bay. According to observations by on-site representatives of Westside during the period of time in 2003 when the excavations from which the USTs were removed remained open, groundwater in the excavations was observed to fluctuate daily up to approximately 1 foot.

2.0 SCOPE OF INVESTIGATION

To further characterize the extent of DCB in both soil and groundwater on the Site, LFR supervised the drilling of six soil borings (DCB-P1 through DCB-P6; Figure 3). In accordance with the Work Plan and the ACEH letter dated November 30, 2007, soil samples and grab groundwater samples were collected from each of the six soil borings and submitted to Curtis & Tompkins, Ltd. (C&T), a state-certified laboratory located in Berkeley, California, for a variety of analyses.

Although the focus of the investigation was to assess the presence of DCB in soil and groundwater, the presence of TPH, VOCs, and metals was also assessed with respect to their magnitude and extent in soil and groundwater at the Site.

This section describes the pre-field and drilling activities conducted by LFR during this investigation, and presents the rationale for the selected sample locations and laboratory analyses.

2.1 Pre-Field Activities

2.1.1 Permitting

LFR acquired the necessary drilling permit from and paid permit fees to the Alameda County Public Works Agency to advance the soil borings at the Site for the collection of soil and grab groundwater samples. A copy of the approved drilling permit is included in Appendix B.

2.1.2 Subsurface Utility Clearance

Prior to beginning drilling work, LFR contacted Underground Service Alert (USA) to notify utility companies or agencies of the drilling project. In addition, LFR subcontracted SubDynamic Locating Services of San Jose, California, to perform subsurface utility locating at the Site to identify possible subsurface obstructions and utilities. All proposed soil boring locations were properly cleared in the presence of the field geologist overseeing the drilling activities.

2.1.3 Health and Safety Plan

A site-specific Health and Safety Plan (HSP) was prepared to document potential hazards to worker health and safety at the Site during the field activities and to specify the appropriate means to mitigate or control hazards. The HSP addressed the potential for exposure to hazardous constituents and described general safety procedures. A health and safety meeting was conducted before fieldwork began, and applicable activities were completed according to the HSP.

2.2 Soil Borings, Soil Sampling, and Lithologic Logging

LFR subcontracted Gregg Drilling, Inc., of Martinez, California, a state-licensed drilling subcontractor, to advance the six soil borings using a direct-push Geoprobe™ drilling rig. Drilling and soil and grab groundwater sampling activities were completed on April 2 and 7, 2008. During drilling, continuous soil cores were collected for lithologic evaluation and field screened using a PID to detect the possible presence of volatile organic vapors.

LFR collected depth-discrete soil samples for laboratory analyses from intervals at which field screening and field observations indicated the possible presence of petroleum hydrocarbons or other compounds in the soil. Where no indication of contamination was observed in the soil cores, LFR collected discrete soil samples at depths between approximately 3 and 5 feet bgs.

Field boring logs were prepared by an LFR field geologist for each soil boring location. Lithologic descriptions based on the Unified Soil Classification System

(USCS; American Society for Testing and Materials D2488-00) and field screening observations were recorded on the field boring logs. Soil boring logs were reviewed by a California Professional Geologist, and were transcribed into report-quality graphic logs presented in Appendix A.

Soil samples were collected on a continuous basis during drilling and retained for laboratory analyses at approximately 4 feet bgs and at deeper intervals if organic vapors were detected by the PID. Soil cores and soil samples were reviewed for visible or olfactory indications of the presence of petroleum hydrocarbons, field screened using a PID to assess the presence of hydrocarbons or other VOCs, and results were recorded on the soil boring logs. Soil borings were logged by an LFR field geologist under the supervision of a State of California Professional Geologist. The soil samples were described using the USCS. The lithologic descriptions were recorded on soil boring logs provided in Appendix A.

Depth-discrete soil samples were selected for laboratory analyses based on the potential presence of contaminants, as apparent from field screening using a PID or from visual/olfactory evaluation of the soil cores. Soil samples were obtained by directly pushing the continuous-core barrel lined with acetate sleeves into the soil at each of the six soil borings. Soil samples retained for laboratory analyses were collected in three Encore ™ soil sample containers and one soil sample from the acetate core barrel sealed with Teflon™-lined plastic caps which then were sealed and properly labeled with the boring identification number and depth interval, the time and date of collection, the analysis requested, and the initials of the sampler. All samples were stored in ice-chilled coolers and submitted to the laboratory under strict chain-of-custody protocol.

Soil samples were collected at the Site and retained using the Encore ™ soil sample containers on April 2, 2008. However, the Encore ™ soil sample containers do not provide a sufficient volume of soil to allow for the analysis of metals and TPH. Therefore, on April 7, 2008, soil samples for the metals and TPH analyses were collected from soil borings drilled within 5 feet (or less) of the original soil borings that were drilled on April 2, 2008.

2.2.1 Equipment Decontamination and Borehole Abandonment

Down-hole drilling and sampling equipment was appropriately cleaned with high-pressure hot water (steam cleaned) before use at each new drilling location. After soil and groundwater samples were collected, each borehole was abandoned by sealing it with a mixture of cement and bentonite (“grout”) from the bottom up to the ground surface using a tremie pipe. Waste soil produced during drilling was placed in 5-gallon buckets and will be disposed of within 90 days of its production.

2.3 Grab Groundwater Sampling

Each of the six soil borings was advanced to approximately 12 feet bgs, to allow for the collection of a grab groundwater sample. Each soil boring was advanced approximately 4 feet into the first encountered saturated sediments. After drilling was completed, a temporary polyvinyl chloride (PVC) well screen and casing was placed in the soil boring. A grab groundwater sample was collected from each boring using a clean, stainless steel bailer lowered into the PVC casing. The groundwater sample was gently poured from the bailer into the appropriate, clean, laboratory-supplied water sample containers. Sample containers were properly labeled and stored in ice-chilled coolers for daily transport to the analytical laboratory under chain-of-custody protocol.

2.4 Laboratory Analyses

Laboratory analyses of soil and grab groundwater samples were conducted by C&T. Soil samples selected for laboratory analyses were submitted for analyses under a "standard" turnaround schedule. Samples not initially selected for analyses were submitted to the laboratory but were placed on hold.

2.4.1 Soil Sample Analyses

A total of seven soil samples was submitted to C&T for the following analyses:

- TPHd and TPH as motor oil (TPHmo), using U.S. Environmental Protection Agency (EPA) test method 8015 modified. Soil samples underwent a silica gel cleanup prior to analysis to remove naturally occurring fats or oils that can result in false positive results for TPH components.
- VOCs using EPA test method 8260b.
- California Assessment Manual (CAM) 17 metals using EPA test method 6010b.
- PAHs using EPA test method 8270c.

The soil samples were collected from between approximately 3 and 8 feet bgs, with the majority of the samples collected from approximately 4 feet bgs

2.4.2 Grab Groundwater Sample Analyses

A total of six grab groundwater samples was submitted to C&T for the following analyses:

- TPHd and TPHmo, using EPA test method 8015 modified. The groundwater samples underwent a silica gel cleanup prior to analysis to remove naturally occurring fats or oils that can result in false positive results for TPH components.
- VOCs using EPA test method 8260.

- CAM 17 metals using EPA test method 6010b; these samples were filtered and preserved at the C&T laboratory.

The laboratory-certified analytical results are included in Appendix C.

2.4.3 Data Validation Summary

LFR performed a level III data validation evaluation of the analytical data collected during the site investigation. The data validation evaluation was conducted in accordance with the EPA Data Validation Functional Guidelines for Evaluating Environmental Analyses, "U.S. EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," dated October 1999. The following is a summary of the evaluation of analytical data for soil and groundwater samples collected as part of LFR's investigation. The data were evaluated based on the following parameters:

- data completeness
- holding times
- blanks
- system monitoring compound spike recoveries (surrogates)
- matrix spike/matrix spike duplicate recoveries (MS/MSD)
- laboratory control spike/laboratory control spike duplicate recoveries (LCS/LCSDs)

A review of the quality assurance/quality control (QA/QC) sample analytical results for the groundwater and soil samples did not identify quality issues that would cause the data to be qualified. The sample temperatures, MS/MSD recoveries, LCS/LCSD recoveries, and holding times were all within compliance criteria.

The MS/MSD percent recoveries of barium and lead were below laboratory QA/QC limits and the MS/MSD percent recoveries for chromium and nickel were above the QA/QC range, causing the relative percent differences between the percent recoveries of the MSs and MSDs to exceed the QA/QC range. Lastly, the relative percent difference of the MS and MSD for these samples exceeded the QA/QC range for molybdenum. The analytical result for 1,2,3-trichlorobenzene (1,2,3-TCB) in soil sample DCB-P3-4FT is qualified because the percent recovery of surrogate bromofluorobenzene was above the laboratory's QA/QC range.

3.0 LABORATORY ANALYTICAL RESULTS

Analytical results for soil and grab groundwater samples collected by LFR in April 2008 are summarized in Tables 1 through 3 and Tables 4 through 6, respectively.

For the purposes of evaluating and discussing the analytical results, they were compared with commercial and residential land use ESL values where groundwater is not a source of drinking water.

3.1 Petroleum Hydrocarbons and BTEX in Soil

Analytical results for TPHd, TPH as gasoline (TPHg), TPHmo, and benzene, toluene, ethylbenzene, and xylenes (BTEX) in soil samples collected by LFR are summarized in Table 1.

TPHd was detected at concentrations ranging from 110 to 5,000 milligrams per kilogram (mg/kg) in soil samples collected between approximately 3 to 5 feet bgs in each of the six soil borings. All but one of these concentrations exceeded the ESLs for TPHd in soil where groundwater is not a source of drinking water (150 mg/kg). In addition, C&T reported that the chromatographic pattern for TPHd detected in samples that contained less than 400 mg/kg (Table 1) did not resemble the chromatographic standard for TPHd. This indicates that the TPHd detected in these samples is likely associated with a longer-chained hydrocarbon that is consistent with oil (carbon chain length of C24 to C36).

TPHmo was detected at concentrations ranging from 360 to 4,600 mg/kg in soil samples collected between approximately 3 to 8 feet bgs in all six soil borings. TPHmo concentrations in two soil samples collected from soil boring DCB-P4 each exceeded the ESL for TPHmo in soil where groundwater is not considered a current or potential source of drinking water (2,500 mg/kg).

TPHg was detected in two of the soil samples collected from soil boring DCB-P4 at concentrations below the ESL for TPHg. Each of these concentrations was less than the ESL for TPHg in soil where groundwater is not considered a current or potential source of drinking water (450 mg/kg). In addition, C&T reported that the chromatographic pattern for TPHg detected in this sample did not resemble the standard for TPHg. In this case, due to the presence of the elevated concentrations of TPHmo, this note would indicate that the TPHg detected in these samples is likely associated with longer-chained hydrocarbons typically associated with TPHmo.

BTEX compounds were not present above the laboratory reporting limits in the soil samples collected at the Site in April 2008. It should be noted that, due to the elevated concentrations of TPHd (5,000 mg/kg) and TPHmo (4,600 mg/kg) detected in the soil sample collected from 3 feet bgs in soil boring DCB-P4, the reporting limits for the BTEX compounds for that soil sample were elevated to 13,000 micrograms per kilogram (μg/kg). Therefore, it is unknown if benzene was present in this sample at a concentration above its ESL (260 μg/kg). The other aromatic hydrocarbons (toluene, ethylbenzene, and the xylenes isomers) have individual ESLs greater than the detection limit of 13,000 μg/kg (Table 1). The absence of BTEX compounds is consistent with results obtained during prior sampling events conducted at the Site.

3.2 VOCs in Soil

The chemical analysis results for VOCs (EPA method 8260b) in the six soil samples collected by LFR are summarized in Table 2. The VOCs 1,4-dichlorobenzene (1,4-DCB) and chlorobenzene (CB) were detected at 21,000 and 150,000 μg/kg, respectively, in the soil sample collected at approximately 4 feet bgs from soil boring DCB-P4. This soil boring was located in the northwestern portion of the Site along the property boundary with Superior Plaster Castings (Figure 3). During this investigation, 1,2,3-TCB was present in DCB-P3 at 6.7 μg/kg and acetone was present in DCB-P5 at 25 μg/kg.

3.3 Metals in Soil

The chemical analysis results for metals analyses (EPA method 6010) in the six soil samples collected by LFR are summarized in Table 3. As indicated in Table 3, the concentrations of metals detected in soil samples collected at the Site in April 2008 are within the range of naturally occurring metals concentrations in the San Francisco Bay Area (Lawrence Berkeley National Lab; LBNL 2002). In addition, the only metal to exceed its ESL was arsenic. Concentrations of arsenic ranged from 3.1 to 8.7 mg/kg. While these arsenic concentrations exceed the ESL of 1.5 mg/kg, the concentrations of arsenic are within the range of naturally occurring arsenic concentrations in soil in the San Francisco Bay Area (19.1 mg/kg for arsenic; LBNL 2002).

3.4 Petroleum Hydrocarbons and BTEX in Groundwater

Analytical results for TPHd, TPHmo, and BTEX in groundwater samples collected by LFR in April 2008 are summarized in Table 4. TPHd was detected at concentrations ranging from 930 μg/L to 170,000 μg/L in grab groundwater samples collected between approximately 8 to 12 feet bgs in all six soil borings. The highest concentrations of TPHd and TPHmo were detected in grab groundwater samples collected from soil borings DCB-P3 and DCB-P4, which were located in the northwestern portion of the Site along the property boundary with Superior Plaster Castings (Figure 3). The elevated concentrations of these compounds in groundwater correspond with the elevated concentrations of TPHd and TPHmo detected in soil samples from the same area. The concentrations of TPHd and TPHmo in grab groundwater samples collected from soil borings DCB-P3, DCB-P4, DCB-P5, and DCB-P6 each exceeded the ESLs for TPHd and TPHmo where groundwater is not considered a current or potential source of drinking water (Table 4).

Benzene was present above the laboratory reporting limit in the grab groundwater samples collected from soil borings DCB-P1, DCB-P2, and DCB-P3 at concentrations ranging from 2.9 μg/L to 28 μg/L. These concentrations are well below the ESL for benzene of 540 μg/L where groundwater is not a source of drinking water (Table 4).

Toluene was detected in the grab groundwater sample collected from soil boring DCB-P6 at 0.9 µg/L. This concentration is well below the ESL for toluene of 400 µg/L where groundwater is not a source of drinking water (Table 4).

Ethylbenzene was not present above the laboratory reporting limits in the six grab groundwater samples.

Xylenes were detected in the grab groundwater samples collected from soil borings DCB-P5 and DCB-P6 at concentrations well below the ESL for xylenes of 5,300 µg/L where groundwater is not a source of drinking water (Table 4).

Due to the presence of TPHd and TPHmo detected in soil and groundwater samples collected from soil borings DCB-P3 and DCB-P4, the reporting limits for the BTEX compounds for these samples were somewhat higher than the reporting limits for the other samples, but the reporting limits were still well below the respective ESLs.

3.5 VOCs in Groundwater

VOCs detected in grab groundwater samples collected by LFR in April 2008 are summarized in Table 5. Grab groundwater samples collected from soil borings DCB-P3, DCB-P4, and DCB-P5 contained elevated concentrations of VOCs relative to the other samples collected at the Site. The primary VOCs detected were TCB, DCB, and CB. TCB was not detected above laboratory reporting limits in groundwater samples collected during previous sampling events at other locations at the Site. The highest concentrations of both TCB compounds were detected in the grab groundwater sample from DCB-P3, which is located in the northwestern portion of the Site along the property boundary with Superior Plaster Castings (Figures 3 and 4). The second highest concentration of the TCB compounds, and the highest concentration of all of the DCB compounds, were detected in the grab groundwater sample collected from DCB-P4, which is also located in the northwestern portion of the Site along the property boundary with Superior Plaster Castings (Figure 4).

Concentrations of 1,2,3-TCB were detected in the groundwater sample collected from DCB-P1, DCB-P3, DCB-P4, and DCB-P5 at concentrations ranging from 0.7 µg/L to 1,600 µg/L. The highest concentration of 1,2,3-TCB was detected in the groundwater samples collected from DCB-P3.

1,2,4-Trichlorobenzene (1,2,4-TCB) was present above laboratory reporting limits in each of the six grab groundwater samples at concentrations ranging from 0.5 to 7,100 µg/L. Concentrations exceeding 1,000 µg/L were detected in groundwater samples collected from soil borings DCB-P3, DCB-P4, and DCB-P5. The RWQCB has not provided an ESL for the TCB compounds.

The highest concentrations of 1,3-dichlorobenzene (1,3-DCB) and 1,4-DCB were detected in the groundwater sample collected from DCB-P4. Relatively lower

concentrations of 1,3-DCB and 1,4-DCB were detected in samples collected from soil borings DCB-P2, DCB-P3, DCB-P5, and DCB-P6. The concentration of 1,4-DCB detected in the grab groundwater samples collected from soil borings DCB-P3, DCB-P4, DCB-P5, and DCB-P6 exceeded the ESL for 1,4-DCB of 110 μg/L where groundwater is not considered a current or potential source of drinking water (Table 5). None of the analytical results for samples collected during this investigation exceeded the ESL for 1,3-DCB of 50,000 μg/L where groundwater is not considered a current or potential source of drinking water (Table 5).

Concentrations of CB were detected in the groundwater sample collected from DCB-P4, DCB-P5, and DCB-P6 at concentrations ranging from 39 μg/L to 1,000 μg/L. The only sample to exceed the ESL for CB where groundwater is not a source of drinking water was DCB-P4 (Table 5).

3.6 Metals in Groundwater

Analytical results for metals analyses (EPA method 6010) in the six grab groundwater samples collected by LFR are summarized in Table 6. As indicated in Table 6, concentrations of arsenic, barium, nickel, and zinc were present above laboratory reporting limits but below the ESLs where groundwater is not considered a current or potential source of drinking water (Table 6).

4.0 CHEMICAL CHARACTERIZATION

Based on the frequency and the magnitude of concentrations detected during this investigation, the primary chemicals of concern in soil and groundwater at the Site are TPHd, TPHmo, 1,2,3-TCB, 1,2,4-TCB, 1,3-DCB, 1,4-DCB, and CB. TPHd, TPHmo, 1,3-DCB, 1,4-DCB, and CB have been detected in soil and/or groundwater samples previously collected at the Site and the adjacent neighboring Superior Plaster Castings and PG&E properties. However, 1,2,3-TCB and 1,2,4-TCB had not been previously detected in soil or groundwater samples collected at the Site and analyzed using the EPA 8260 test method during the removal of the USTs in 2003. In addition, 1,2,3-TCB and 1,2,4-TCB were not detected in the samples collected at the Site by Harding ESE in 2002 and analyzed using EPA test method 8260 (soil borings B-1, B-2, B-3, B-11, or B-12).

The analysis of the soil and/or groundwater samples collected at the Superior Plaster Castings property was conducted using EPA method 8010. The compounds 1,2,3-TCB and 1,2,4-TCB were not included in the method 8010 list of compounds; therefore, it is not known if the TCB compounds were present when the soil and groundwater sampling on the Superior Plaster Castings property was completed. Based on the elevated concentrations of 1,2,3-TCB and 1,2,4-TCB in soil samples collected from soil borings DCB-P3 and DCB-P4, and the elevated concentrations of CB in both soil and groundwater samples collected from DCB-P4 (both borings are located in the

northwestern portion of the Site along the property boundary with Superior Plaster Castings), these chemicals may be present on that property also.

Although the focus of this investigation was on the DCB compounds, the presence of TCB compounds in groundwater samples raises the issue regarding the source of the DCB compounds previously detected in soil and groundwater samples. Based on the presence of TCB, it is possible that the DCB compounds detected in soil and groundwater may be from the degradation of TCB (University of Minnesota 2008).

The source of the TCB and DCB in the soil and groundwater samples collected at the Site is unknown. According to the EPA internet site, http://www.epa.gov/ogwdw/contaminants/dw_contamfs/124-tric.html, 1,2,4-TCB is an aromatic, colorless organic liquid. The greatest use of 1,2,4-TCB was primarily as a dye carrier. It is also used to make herbicides and other organic chemicals, as a solvent, in wood preservatives, and in abrasives. It was once used as a soil treatment for termite control (EPA 2008). Also, according to the internet site Chemical Land 21, http://chemicalland21.com/specialtychem/finechem/1,2,3-trichlorobenzene.htm, both 1,2,3-TCB and 1,2,4-TCB are used as a "chemical intermediate; heat transfer fluid; high boiling solvent; dielectric fluid, insecticide and fungicide; coolant in electrical installation; glass tempering; dye carrier; transformer oils; and lubricants."

5.0 SUMMARY AND CONCLUSIONS

Groundwater at the Site is encountered at approximately 8 feet bgs. The Site is underlain by Bay Mud and fluvial deposits. The groundwater flow direction has been reported to be to the southeast toward San Francisco Bay at the adjacent PG&E property. It is suspected that the shallow groundwater is affected by tidal fluctuations of San Francisco Bay. The distribution of contaminants dissolved in groundwater at the Site may be influenced by tidal fluctuations and preferential pathways (coarser-grained sediments within the Bay Mud sediments.

Based on the analytical results of the soil and groundwater samples collected at the Site, the chemicals of concern are TPHd, TPHmo, TCB, DCB, and CB. Metals and BTEX compounds are not present at concentrations of environmental concern (ESLs at sites where groundwater is not considered a current or potential source of drinking water).

Based on the chemical analysis results for soil samples collected at the Site in April 2008, soil containing elevated concentrations of TPHd, TPHmo, CB, and DCB is present in soil above the saturated sediments (in the upper 4 feet of soil) near the northwestern portion of the Site along the property boundary with Superior Plaster Castings. The lateral extent of this affected soil on-site has been assessed to the south by soil samples collected from soil boring DCB-P5 (located on the Westside property) and to the northeast by soil samples collected from soil borings DCB-P1 and DCB-P2 (located on the Flag Lot). The lateral extent of TCB-affected soil to the west on the

Superior Plaster Castings property and to the north within the Flag Lot has not yet been assessed. Because soil borings DCB-P3 and DCB-P4 were located less than 10 feet from the property boundary between the Flag Lot and Superior Plaster Castings property, the western and southern extents of affected soil may extend to the Superior Plaster Castings property.

Based on the chemical analysis results for groundwater samples collected at the Site in April 2008, groundwater containing elevated concentrations of TPHd, TPHmo, TCB, DCB, and CB is present near the northwestern property boundary of the Site (soil borings DCB-P3 and DCB-P4). The lateral extent of the affected groundwater on the Site has been assessed to the northeast by the grab groundwater samples collected from soil borings DCB-P1 and DCB-P2 (located on the Flag Lot). The northern extent of affected groundwater on-site and the western and southern extents of affected groundwater on the Superior Plaster Castings property has not yet been assessed.

Soil and groundwater quality data obtained during this investigation have further assessed the extent of DCB compounds at the Site. However, the analytical results have not provided sufficient information to identify a source or a source location of the DCB compounds present in groundwater at the Site and downgradient from the Site. The presence of TCB and DCB in soil and groundwater samples collected near the northwestern portion of the Site along the property boundary with Superior Plaster Castings, in combination with the elevated concentrations of the DCB compounds in soil and groundwater on the Superior Plaster Castings property detected during prior investigations, suggests that there was a historical release of these compounds in the area of the highest detections (ERAS Environmental 2000). This release may be associated with the former railroad spur that is present near the property boundary.

The extent of the distribution of the TCB and DCB compounds is not well defined in either the northern or western direction at the Site. Additional soil and groundwater sampling to the north, east of soil borings DCB-P3 and DCB-P4, and in the western and southern directions, on the Superior Plaster Castings property, is necessary to further assess the distribution and potential source of these compounds.

The primary uses, listed in the literature, of the detected compounds suggest numerous industrial activities that could have resulted in the release of DCB and TCB and thus the source of the release or releases. The listed uses of the TCB compounds are not consistent with the past industrial activities conducted at the Site, including the use of the Site as an asphalt batch plant (EPA 2008). In addition, the distribution of the detected compounds does not suggest that they were associated with the former asphalt batch plant operation. The highest concentrations of TCB and DCB in soil were detected in the soil samples collected from the soil borings located near the northwestern portion of the Site along the property boundary with Superior Plaster Castings. TCB compounds were not detected in the soil samples collected in the vicinity of the USTs. Only low concentrations of DCB compounds were present in the soil samples collected from the borings closest to the former USTs associated with the asphalt batch plant operation.

6.0 REFERENCES

ATC Associates, Inc. (ATC). 1998. Phase II Environmental Site Investigation Report, Metalcast Engineering Facility, 4800 Coliseum Way, Oakland, CA. November 25.

ERAS Environmental, Inc. 2000. Soil Remediation, 4800 Coliseum Way, Oakland, CA. June 26.

Lawrence Berkeley National Laboratory (LBNL). 2002. Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory (LBNL). June.

LFR Inc. (LFR). 2007. Work Plan for Assessment of Dichlorobenzene in Soil and Groundwater, Former AAA Equipment Company Property, 745 50th Street, Oakland, California (SLIC Case No. RO0002746; Geotracker Global ID SL0600186350) and Learner Investment Company Property, 768 46th Avenue, Oakland, California (SLIC Case No. RO0002478; Geotracker Global ID SLT20150156). October 30.

LFR Levine·Fricke (LFR). 2004. Underground Storage Tank Removal Report, Former AAA Equipment Company Site, 745 50th Avenue, Oakland, California. April 27.

Pacific Gas and Electric Company (PG&E). 2007. Additional Investigation Work Plan for the Oakland General Construction Yard, 4930 Coliseum Way, Oakland, California, Alameda County Case #RO0000099. November 16.

Regional Water Quality Control Board (RWQCB). 2007. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater (Interim Final); Environmental Screening Levels (ESLs). Technical Document. November.

United States Environmental Protection Agency (EPA). Consumer Fact Sheet on: 1,2,4-TCB Internet Site: http://www.epl.org/library/strategic-plan-00.html.

———. 2008. Internet site, http://www.epa.gov/ogwdw/contaminants/dw_contamfs/124-tric.html.

University of Minnesota. 2007. Internet site, http://umbbd.msi.umn.edu/tbz/tbz_map.html. Guang Yao. June 21.

Table 1
Total Petroleum Hydrocarbons and Benzene, Toluene, Ethylbenzene, and Xylenes
in Soil Samples Collected at Westside Building Materials
745 50th Avenue, Oakland, California

Concentrations in micrograms per kilogram (unless otherwise noted)

Sample ID	Date	TPHd (mg/kg)	TPHg (mg/kg)	TPHmo (mg/kg)	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes
DCB-P1-4.0	04/07/2008	170Y	< 1.0	670	NA	NA	NA	NA	NA
DCB-P1-4FT	04/02/2008	NA	NA	NA	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
DCB-P2-4.0	04/07/2008	290Y	< 0.95	890	NA	NA	NA	NA	NA
DCB-P2-4FT	04/02/2008	NA	NA	NA	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
DCB-P3-4.0	04/07/2008	110Y	< 0.92	360	NA	NA	NA	NA	NA
DCB-P3-4FT	04/02/2008	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DCB-P4-3.0	04/07/2008	5,000	51YZ	4,600	NA	NA	NA	NA	NA
DCB-P4-4FT	04/02/2008	NA	NA	NA	< 13,000	< 13,000	< 13,000	< 13,000	< 13,000
DCB-P4-8.0	04/07/2008	4,800	15YZ	4,300	NA	NA	NA	NA	NA
DCB-P5-3.0	04/07/2008	190Y	< 0.97	930	NA	NA	NA	NA	NA
DCB-P5-4FT	04/02/2008	NA	NA	NA	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
DCB-P6-4.5	04/07/2008	350Y	< 0.92	1,100	NA	NA	NA	NA	NA
DCB-P6-5FT	04/02/2008	NA	NA	NA	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
REGULATORY CONCENTRATIONS (RWQCB ESLs)									
Shallow soil where groundwater is not considered a source of drinking water - commercial land use		150	450	2,500	260	29,000	33,000	100,000	100,000

Notes:

(Y) the chromatographic pattern for TPHd and TPHg analyses did not resemble the laboratory standard for either TPHd or TPHg.
(Z) sample exhibits unknown single peak or peaks
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHmo = total petroleum hydrocarbons as motor oil
NA = parameter not analyzed
mg/kg = milligrams per kilogram
Samples analyzed by: Curtis & Tompkins, Ltd.
ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board (RWQCB), November 2007.

Table 2
Volatile Organic Compounds in Soil Samples
Collected at Westside Building Materials
745 50th Avenue, Oakland, Californiaa

Concentrations in micrograms per kilogram (unless otherwise noted)

Sample ID	Date	1,2,3-Trichlorobenzene	1,4-Dichlorobenzene	Acetone	Chlorobenzene
DCB-P1-4FT	04/02/2008	< 4.0	< 4.0	< 16	< 4.0
DCB-P2-4FT	04/02/2008	< 4.4	< 4.4	< 18	< 4.4
DCB-P3-4FT	04/02/2008	6.7	< 5.0	< 20	< 5.0
DCB-P4-4FT	04/02/2008	< 13,000	21,000	< 50,000	150,000
DCB-P5-4FT	04/02/2008	< 4.2	< 4.2	25	< 4.2
DCB-P6-5FT	04/02/2008	< 6.3	< 6.3	< 25	< 6.3
REGULATORY CONCENTRATIONS (RWQCB ESLs)					
Shallow soil where groundwater is not considered a source of drinking water - commercial land use		NE	2,600	1,700	30,000

Notes:

NE = none established
Samples analyzed by: Curtis & Tompkins, Ltd.
Volatile organic compounds not reported in this summary table were not detected above the analytical reporting limits.
ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board (RWQCB), November 2007.

Table 3
Metals in Soil Samples Collected at Westside Building Materials
745 50th Avenue, Oakland, California

Concentrations in milligrams per kilogram (unless otherwise noted)

Sample ID	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
DCB-P1-4.0	04/07/2008	< 0.50	5.7	280	0.22	1.3	90	7.7	41	120	12	40	< 0.50	< 0.25	< 0.50	30	210	0.24
DCB-P2-4.0	04/07/2008	2.8	8.7	390	0.29	1.4	88	9.1	52	130	13	40	< 0.50	< 0.25	< 0.50	31	220	0.38
DCB-P3-4.0	04/07/2008	< 0.50	5.4	530	0.23	2.9	44	8.9	76	190	2.0	48	< 0.50	< 0.25	< 0.50	32	590	0.47
DCB-P4-3.0	04/07/2008	< 0.50	4.5	690	0.30	0.83	40	14	26	120	2.8	68	< 0.50	< 0.25	< 0.50	31	150	0.073
DCB-P4-8.0	04/07/2008	< 0.50	3.1	140	0.24	< 0.25	25	8.0	7.2	4.2	< 0.25	20	< 0.50	< 0.25	< 0.50	21	13	0.23
DCB-P5-3.0	04/07/2008	< 0.50	5.1	290	0.22	2.1	36	8.7	49	120	16	30	< 0.50	< 0.25	< 0.50	32	290	0.31
DCB-P6-4.5	04/07/2008	< 0.50	5.8	430	0.26	1.7	28	8.6	61	140	1.2	35	< 0.50	< 0.25	< 0.50	32	350	0.32
REGULATORY CONCENTRATIONS (RWQCB ESLs)																		
Shallow soil where groundwater is not considered a source of drinking water - commercial land use		40	1.5	1500	8.0	7.4	750	80	230	750	40	150	10	40	15	190	600	10
Background concentrations in soil from Lawrence Berkeley National Laboratory Study - 2002		NE	19.1	323.6	1.0	2.7	99.6	22.2	69.4	16.1	7.4	119.8	5.6	1.8	7.6	74.3	106.1	0.4

Notes:

NE = none established
Samples analyzed by: Curtis & Tompkins, Ltd.
ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board (RWQCB), November 2007.

Table 4
Total Petroleum Hydrocarbons and Benzene, Toluene, Ethylbenzene, and Xylenes
in Groundwater Samples Collected at Westside Building Materials
745 50th Avenue, Oakland, California

Concentrations in micrograms per liter (unless otherwise noted)

Sample ID	Date	TPHd (mg/kg)	TPHg (mg/kg)	TPHmo (mg/kg)	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes
DCB-P1	04/02/2008	960Y	NA	3,000	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DCB-P2	04/02/2008	930Y	NA	2,300	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DCB-P3	04/02/2008	110,000Y	NA	24,000	< 50	< 50	< 50	< 50	< 50
DCB-P4	04/02/2008	170,000Y	NA	57,000	19J	< 31	< 31	< 31	< 31
DCB-P5	04/02/2008	3,400Y	NA	3,100	28	< 10	< 10	5.5J	15
DCB-P6	04/02/2008	29,000	NA	12,000	2.9	0.9J	< 1.0	3.3	0.8J
REGULATORY CONCENTRATIONS (RWQCB ESLs)									
Where groundwater is not considered a source of drinking water - commercial land use		2,500	5,000	2,500	540	400	300	5,300	5,300

Notes:

(Y) the chromatographic pattern for TPHd and TPHg analyses did not resemble the laboratory standard for either TPHd or TPHg.
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHmo = total petroleum hydrocarbons as motor oil
NA = parameter not analyzed
mg/kg = milligrams per kilogram
Samples analyzed by: Curtis & Tompkins, Ltd.
ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board (RWQCB), November 2007.

Table 5
Volatile Organic Compounds in Groundwater Samples
Collected at Westside Building Materials
745 50th Avenue, Oakland, California

Concentrations in micrograms per liter (unless otherwise noted)

Sample ID	Date	1,2,3-TCB	1,2,4-TCB	1,2,4-TMB	1,2-DCB	1,3,5-TMB	1,3-DCB	1,4-DCB	CB	IPB	n-Butylbenzene	Naphthalene	Para- Isopropyl Toluene	Propylbenzene	sec-Butylbenzene	TCE	Vinyl Chloride
DCB-P1	04/02/2008	0.7	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DCB-P2	04/02/2008	< 0.5	0.5J	< 0.5	0.9	< 0.5	4.0	18	< 0.5	< 0.5	< 0.5	< 2.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DCB-P3	04/02/2008	1,600	7,100	< 50	110	< 50	66	210	< 50	< 50	< 50	< 200	< 50	< 50	< 50	< 50	< 50
DCB-P4	04/02/2008	280	3,800	< 31	200	< 31	1,600	1,500	1,000	< 31	< 31	< 130	< 31	< 31	< 31	< 31	< 31
DCB-P5	04/02/2008	42	1,500	8.5J	45	< 10	390	330	71	< 10	< 10	< 40	< 10	< 10	< 10	< 10	< 10
DCB-P6	04/02/2008	< 1.0	32	6.3	7.8	5.8	64	110	39	3.8	3.7	49	1.8	2.7	1.6	5.2	2.5
REGULATORY CONCENTRATIONS (RWQCB ESLs)																	
Where groundwater is not considered a source of drinking water - commercial land use		NE	NE	NE	NE	NE	50,000	110	500	NE	NE	210	NE	NE	NE	530	3.8

Notes:

NE = none established
(J) estimated value
1,2,3-TCB = 1,2,3-Trichlorobenzene
1,2,4-TCB = 1,2,4-Trichlorobenzene
1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
1,2-DCB =1,2-Dichlorobenzene
1,3-DCB = 1,3-Dichlorobenzene
1,4-DCB = 1,4-Dichlorobenzene
CB = Chlorobenzene
IPB = Isopropylbenzene
TCE = Trichloroethene
Samples analyzed by: Curtis & Tompkins, Ltd.
Volatile organic compounds not reported in this summary table were not detected above the analytical reporting limits.
ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board (RWQCB), November 2007.

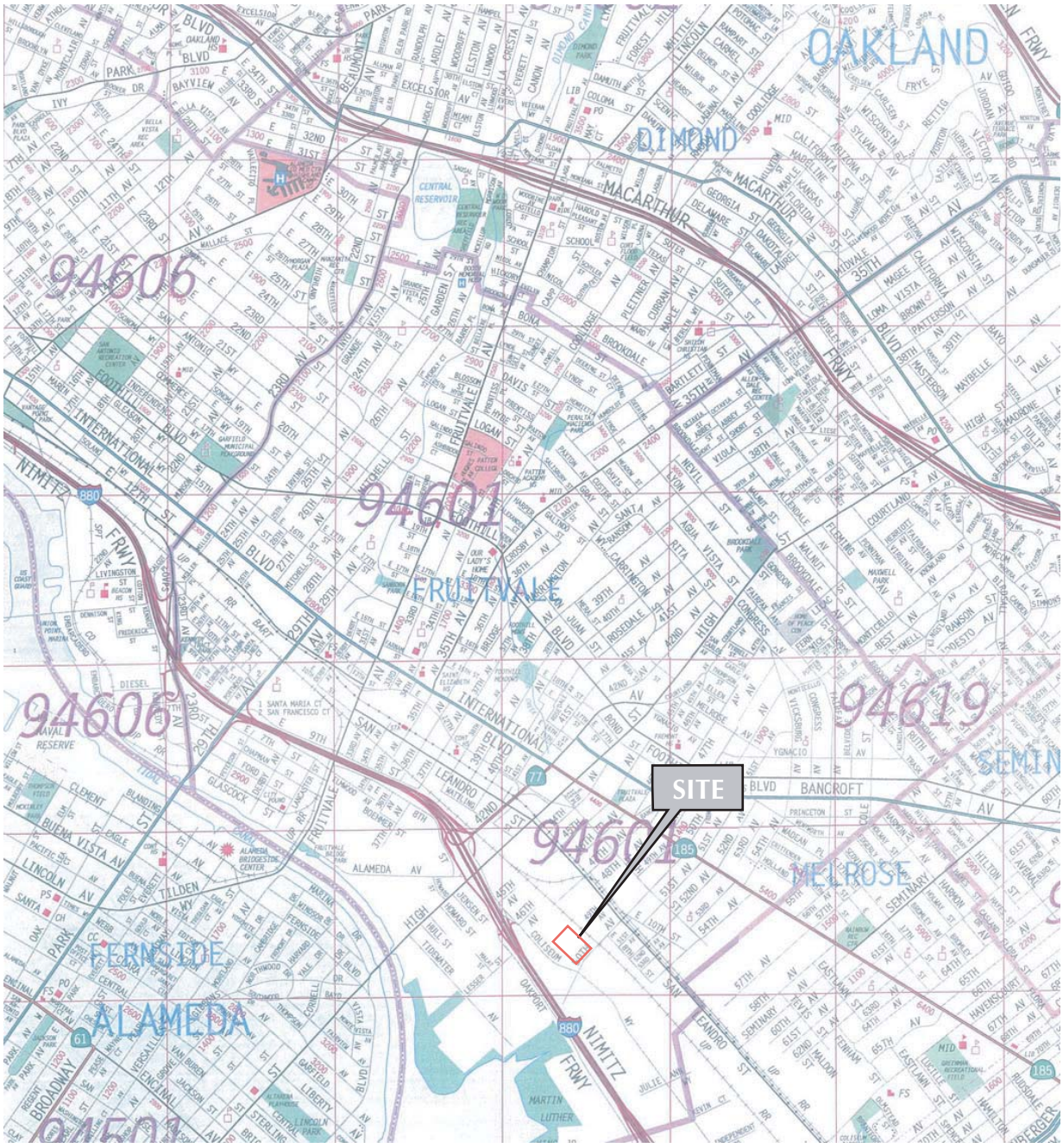
Table 6
Metals in Groundwater Samples Collected at Westside Building Materials
745 50th Avenue, Oakland, California

Concentrations in micrograms per liter (unless otherwise noted)

Sample ID	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
DCB-P1	04/02/2008	< 10	7.6	190	< 2.0	< 5.0	< 5.0	< 5.0	< 5.0	< 3.4	51	9.6	< 10	< 5.0	< 10	< 5.0	22
DCB-P2	04/02/2008	< 10	35	280	< 2.0	< 5.0	< 5.0	< 5.0	< 5.0	< 3.4	77	29	< 10	< 5.0	< 10	< 5.0	54
DCB-P3	04/02/2008	< 10	< 5.0	360	< 2.0	< 5.0	< 5.0	< 5.0	< 5.0	< 3.4	18	18	< 10	< 5.0	< 10	< 5.0	87
DCB-P4	04/02/2008	< 10	8.3	340	< 2.0	< 5.0	< 5.0	< 5.0	< 5.0	< 3.4	18	< 5.0	< 10	< 5.0	< 10	< 5.0	81
DCB-P5	04/02/2008	< 10	11	400	< 2.0	< 5.0	< 5.0	< 5.0	< 5.0	< 3.4	12	10	< 10	< 5.0	< 10	< 5.0	91
DCB-P6	04/02/2008	< 10	< 5.0	320	< 2.0	< 5.0	< 5.0	< 5.0	< 5.0	< 3.4	40	13	< 10	< 5.0	< 10	< 5.0	91
REGULATORY CONCENTRATIONS (RWQCB ESLs)																	
Where groundwater is not considered a source of drinking water - commercial land use		50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000

Notes:

Samples analyzed by: Curtis & Tompkins, Ltd.
ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board (RWQCB), November 2007.



0 1/2 mile

SOURCE: Thomas Bros 1998 Alameda Co

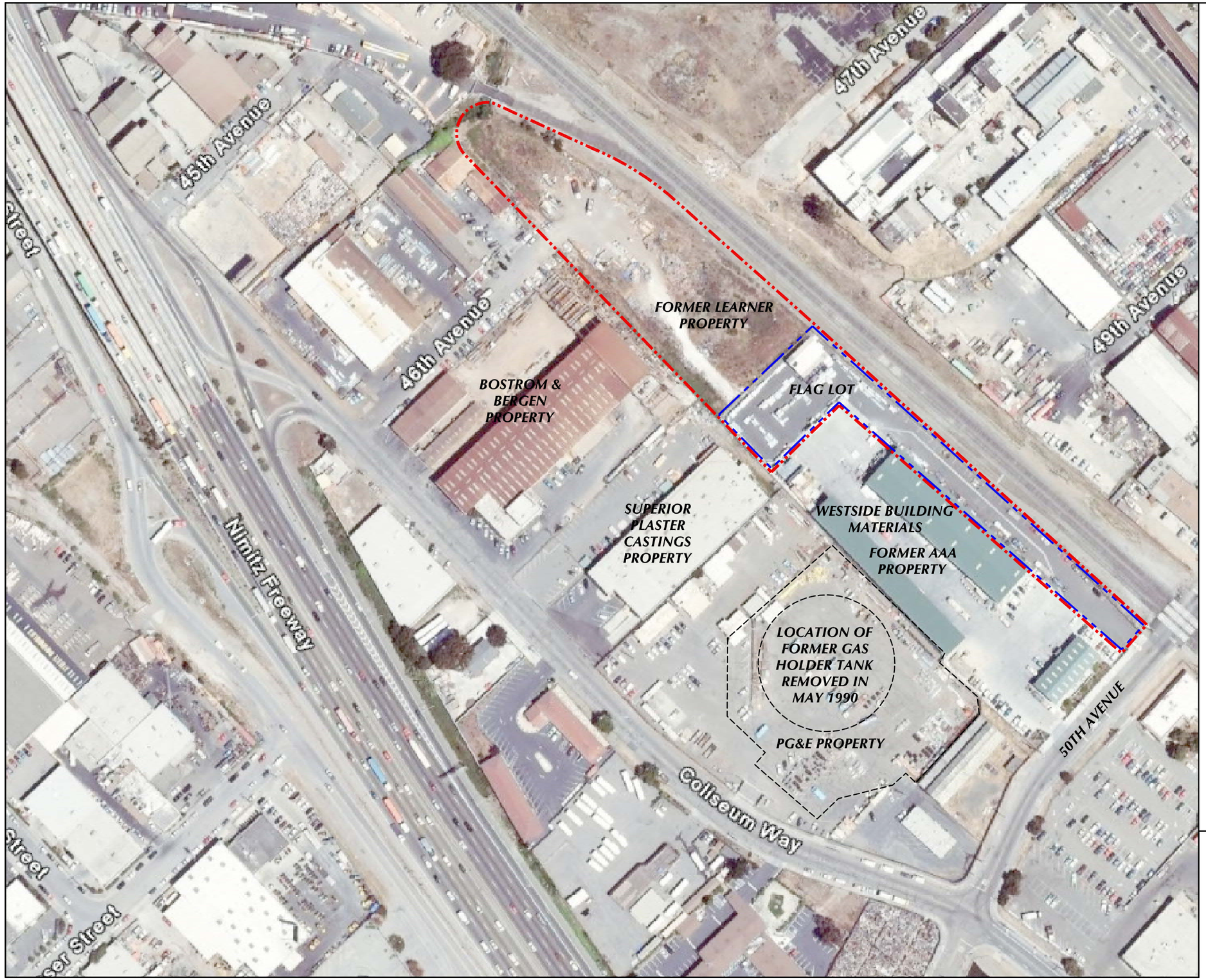
Site Location Map

745 50th Avenue, Oakland, California

LFR

Figure 1

I:\Design\001\096441745 50th AVE Site Location Map.ai



EXPLANATION

Property Boundary

Flag Property

N

0 150 Feet

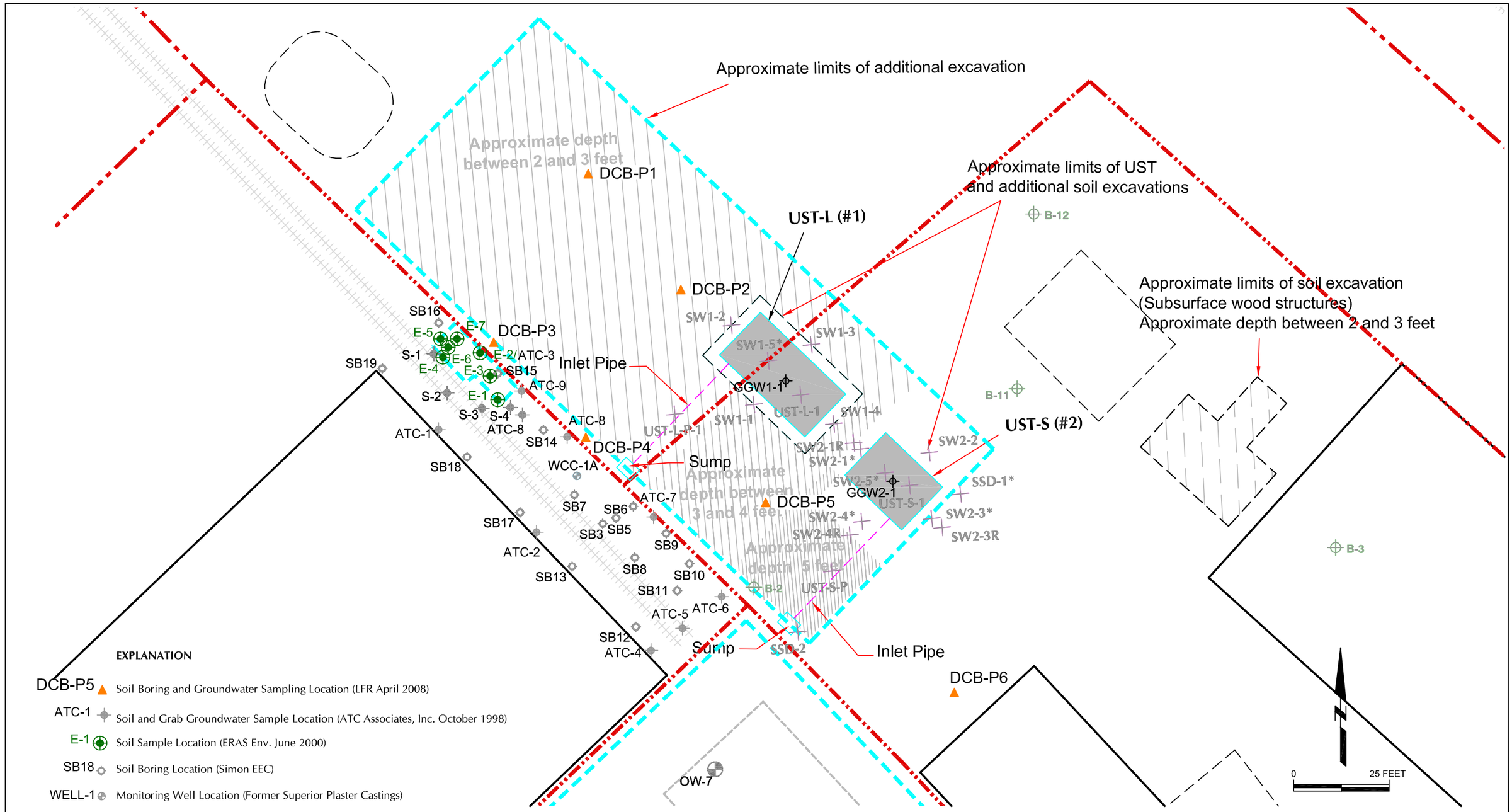
Area Overview

745 50th Avenue, Oakland, California

LFR

Figure 2

I:\Design\001\09644\dwg\745 50th AVE - Site Plan AERIAL.dwg Jun 04,2008-11:21am



EXPLANATION

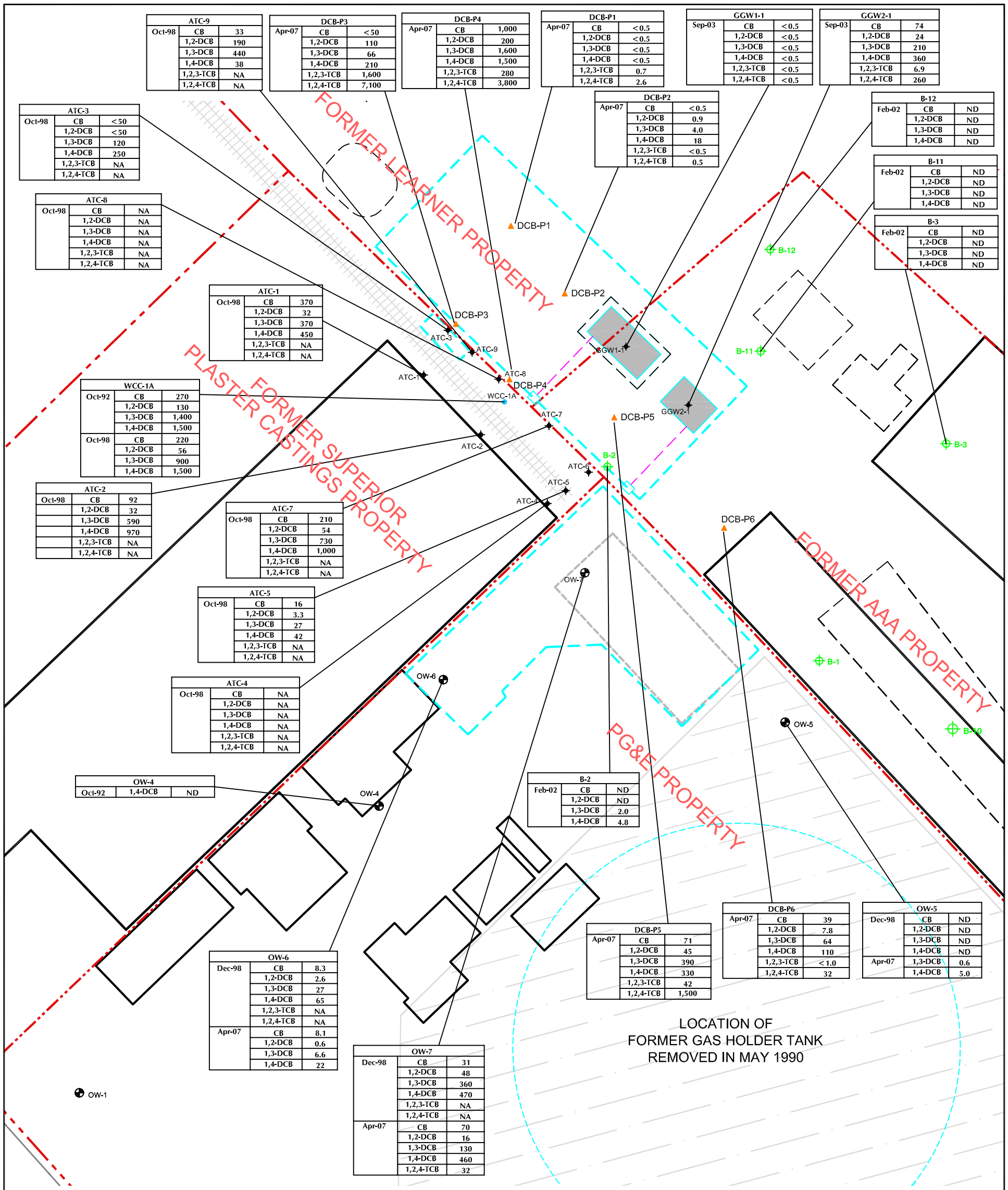
- DCB-P5 — Soil Boring and Groundwater Sampling Location (LFR April 2008)
- ATC-1 — Soil and Grab Groundwater Sample Location (ATC Associates, Inc. October 1998)
- E-1 — Soil Sample Location (ERAS Env. June 2000)
- SB18 — Soil Boring Location (Simon EEC)
- WELL-1 — Monitoring Well Location (Former Superior Plaster Castings)
- SW2-3R — Soil Sample/Soil Comfirmation Sample Location (LFR)
- B-3 — Boring Location (Harding ESE 2002)
- OW-7 — Existing Monitoring Well (PG&E)
- Tank Pit Excavation (LFR, September 2003)
- Previous Area of Excavation

Site Plan with Boring Locations

745 50th Avenue, Oakland, California

LFR

Figure 3



ATC-9		
Oct-98	CB	33
	1,2-DCB	190
	1,3-DCB	440
	1,4-DCB	38
	1,2,3-TCB	NA
	1,2,4-TCB	NA

DCB-P3		
Apr-07	CB	<50
	1,2-DCB	110
	1,3-DCB	66
	1,4-DCB	210
	1,2,3-TCB	1,600
	1,2,4-TCB	7,100

DCB-P4		
Apr-07	CB	1,000
	1,2-DCB	200
	1,3-DCB	1,600
	1,4-DCB	1,500
	1,2,3-TCB	280
	1,2,4-TCB	3,800

DCB-P1		
Apr-07	CB	<0.5
	1,2-DCB	<0.5
	1,3-DCB	<0.5
	1,4-DCB	<0.5
	1,2,3-TCB	0.7
	1,2,4-TCB	2.6

GGW1-1		
Sep-03	CB	<0.5
	1,2-DCB	<0.5
	1,3-DCB	<0.5
	1,4-DCB	<0.5
	1,2,3-TCB	<0.5
	1,2,4-TCB	<0.5

GGW2-1		
Sep-03	CB	74
	1,2-DCB	24
	1,3-DCB	210
	1,4-DCB	360
	1,2,3-TCB	6.9
	1,2,4-TCB	260

ATC-3		
Oct-98	CB	<50
	1,2-DCB	<50
	1,3-DCB	120
	1,4-DCB	250
	1,2,3-TCB	NA
	1,2,4-TCB	NA

DCB-P2		
Apr-07	CB	<0.5
	1,2-DCB	0.9
	1,3-DCB	4.0
	1,4-DCB	18
	1,2,3-TCB	<0.5
	1,2,4-TCB	0.5

B-12		
Feb-02	CB	ND
	1,2-DCB	ND
	1,3-DCB	ND
	1,4-DCB	ND

B-11		
Feb-02	CB	ND
	1,2-DCB	ND
	1,3-DCB	ND
	1,4-DCB	ND

B-3		
Feb-02	CB	ND
	1,2-DCB	ND
	1,3-DCB	ND
	1,4-DCB	ND

ATC-8		
Oct-98	CB	NA
	1,2-DCB	NA
	1,3-DCB	NA
	1,4-DCB	NA
	1,2,3-TCB	NA
	1,2,4-TCB	NA

ATC-1		
Oct-98	CB	370
	1,2-DCB	32
	1,3-DCB	370
	1,4-DCB	450
	1,2,3-TCB	NA
	1,2,4-TCB	NA

WCC-1A		
Oct-92	CB	270
	1,2-DCB	130
	1,3-DCB	1,400
	1,4-DCB	1,500
Oct-98	CB	220
	1,2-DCB	56
	1,3-DCB	900
	1,4-DCB	1,500

ATC-2		
Oct-98	CB	92
	1,2-DCB	32
	1,3-DCB	590
	1,4-DCB	970
	1,2,3-TCB	NA
	1,2,4-TCB	NA

ATC-7		
Oct-98	CB	210
	1,2-DCB	54
	1,3-DCB	730
	1,4-DCB	1,000
	1,2,3-TCB	NA
	1,2,4-TCB	NA

ATC-5		
Oct-98	CB	16
	1,2-DCB	3.3
	1,3-DCB	27
	1,4-DCB	42
	1,2,3-TCB	NA
	1,2,4-TCB	NA

ATC-4		
Oct-98	CB	NA
	1,2-DCB	NA
	1,3-DCB	NA
	1,4-DCB	NA
	1,2,3-TCB	NA
	1,2,4-TCB	NA

OW-4		
Oct-92	1,4-DCB	ND

B-2		
Feb-02	CB	ND
	1,2-DCB	ND
	1,3-DCB	2.0
	1,4-DCB	4.8

DCB-P5		
Apr-07	CB	71
	1,2-DCB	45
	1,3-DCB	390
	1,4-DCB	330
	1,2,3-TCB	42
	1,2,4-TCB	1,500

DCB-P6		
Apr-07	CB	39
	1,2-DCB	7.8
	1,3-DCB	64
	1,4-DCB	110
	1,2,3-TCB	<1.0
	1,2,4-TCB	32

OW-5		
Dec-98	CB	ND
	1,2-DCB	ND
	1,3-DCB	ND
	1,4-DCB	ND
Apr-07	1,3-DCB	0.6
	1,4-DCB	5.0

OW-6		
Dec-98	CB	8.3
	1,2-DCB	2.6
	1,3-DCB	27
	1,4-DCB	65
	1,2,3-TCB	NA
	1,2,4-TCB	NA
Apr-07	CB	8.1
	1,2-DCB	0.6
	1,3-DCB	6.6
	1,4-DCB	22

OW-7		
Dec-98	CB	31
	1,2-DCB	48
	1,3-DCB	360
	1,4-DCB	470
	1,2,3-TCB	NA
	1,2,4-TCB	NA
Apr-07	CB	70
	1,2-DCB	16
	1,3-DCB	130
	1,4-DCB	460
	1,2,4-TCB	32

EXPLANATION

- DCB-P5 ▲ Grab Groundwater Sampling Location (LFR April 2008)
- ATC-1 ✦ Grab Groundwater Sample Location (ATC Associates, Inc. October 1998)
- WCC-1A ● Monitoring Well Location
- OW-5 ⊕ Existing Monitoring Well (ITSI 1999)
- B-2 ⊕ Boring Location (Harding ESE 2002)
- — — — — Tank Pit Excavation (LFR September 2003)
- Previous Area of Excavation

CB	Chlorobenzene
1,2-DCB	1,2-Dichlorobenzene
1,3-DCB	1,3-Dichlorobenzene
1,4-DCB	1,4-Dichlorobenzene
1,2,3-TCB	1,2,3-Trichlorobenzene
1,2,4-TCB	1,2,4-Trichlorobenzene

µg/l	Micrograms per liter
ND	Not Detected
NA	Not Analyzed

ATC-1		
Oct-98	CB	370
	1,2-DCB	32
	1,3-DCB	370
	1,4-DCB	450
	1,2,3-TCB	NA
	1,2,4-TCB	NA

Sample ID
Result (in micrograms per liter)
Analyte
Sample Date

Summary of Groundwater Quality in the Vicinity of Former AAA Equipment Property

745 50th Avenue, Oakland, California

LFR

Figure 4

I:\Design\001\09644\dwg\745 50TH AVE - ATC-PGE-ONSITE Data.dwg Jun 06,2008-4:37pm

APPENDIX A

Soil Boring Logs

PROJECT NAME Former AAA Equipment - Westside Building Materials
CLIENT Alta Properties - Westside Building Materials

BORING NUMBER DCB-P1

PROJECT LOCATION 745 50th Avenue
PROJECT NUMBER 001-09644-00
LOCATION DCB-P1
OVA EQUIPMENT Mini Rae 2000
GROUND ELEVATION _____ **HOLE DIAMETER** 4 inches
TOP OF CASING ELEVATION --- **HOLE DEPTH** 12.2 ft
▽ **FIRST ENCOUNTERED WATER** 7.0 ft
▼ **STABILIZED WATER** 7.0 ft
LOGGED BY Robert Moniz **DATE** 4/2/08

DRILLING CONTRACTOR Gregg Drilling
DRILLING METHOD Direct Push
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			SW		1.5	SAND (SW), tan gray, dry, loose, 10% fine gravel, well graded.	0	
			SC			CLAYEY SAND WITH GRAVEL (SC), brown gray, moist, moderately dense.	0	
							0.2	
	DCB-P1-4'						0.1	
5					7.0 ▼ ▽			5
			CH		8.5	SILTY CLAY (CH), dark gray, wet, firm, medium plasticity.	0	
			SP		8.7	SAND (SP) lens (2" thick).		
			CH		10.0		0	
10								10
			CL			GRAVELLY SILTY CLAY (CL), dark gray grades to olive green, moist, firm.		
	DCB-P1-12'				12.2		0.6	
						Bottom of boring at 12.2 feet bgs.		

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2006 001-09644-00.GPJ LFR SEPT 2006.GDT 6/6/08

PROJECT NAME Former AAA Equipment - Westside Building Materials
CLIENT Alta Properties - Westside Building Materials

BORING NUMBER DCB-P2

PROJECT LOCATION 745 50th Avenue
PROJECT NUMBER 001-09644-00
LOCATION DCB-P2
OVA EQUIPMENT Mini Rae 2000
GROUND ELEVATION _____ **HOLE DIAMETER** 2 inches
TOP OF CASING ELEVATION --- **HOLE DEPTH** 12.0 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER ---
LOGGED BY Robert Moniz **DATE** 4/2/08

DRILLING CONTRACTOR Gregg Drilling
DRILLING METHOD Direct Push
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			SW			GRAVELLY SAND (SW), tan gray, dry, loose, fine gravel, well graded.	0	
						-as above, brown gray, moist.	0	
							0.4	
	DCB-P2-4'					-as above, orange staining.	0	
5					5.0			5
						No recovery.		
					8.0			
			CL			SILTY CLAY (CL), dark gray, damp, firm, medium plasticity, sandy bottom (2").	0	
10						-as above, olive green, firm to hard, orange staining.	0	10
					12.0		0	
						Bottom of boring at 12 feet bgs.		

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2006 001-09644-00.GPJ LFR SEPT 2006.GDT 6/6/08

PROJECT NAME Former AAA Equipment - Westside Building Materials
CLIENT Alta Properties - Westside Building Materials

BORING NUMBER DCB-P3

PROJECT LOCATION 745 50th Avenue
PROJECT NUMBER 001-09644-00
LOCATION DCB-P3
OVA EQUIPMENT Mini Rae 2000
GROUND ELEVATION _____ **HOLE DIAMETER** 2 inches
TOP OF CASING ELEVATION --- **HOLE DEPTH** 12.0 ft
▽ **FIRST ENCOUNTERED WATER** 7.0 ft
▼ **STABILIZED WATER** 7.0 ft
LOGGED BY Robert Moniz **DATE** 4/2/08

DRILLING CONTRACTOR Gregg Drilling
DRILLING METHOD Direct Push
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			SW		3.0	GRAVELLY SAND (SW), light gray, damp, loose, fine gravel, well graded.	0.9	
	DCB-P3-4'		SM		5.0	GRAVELLY SAND WITH MINOR CLAY (SM), dark brown/gray, moist, moderately dense, poorly graded.	0.6	
5			CL		8.0	SILTY CLAY (CL), dark brown, moist, firm, medium plasticity. ▼▽ -as above, moist to wet.	0.3	5
			CH		9.0	CLAY (CH), dark gray, moist, firm, medium plasticity.		
			SP		9.5	SAND (SP) lens, dry.	2	
10			SC		11.0	CLAYEY SAND (SC), orange, moist, moderately dense, poorly graded.		10
	DCB-P3-12'		SM		12.0	GRAVELLY SAND WITH MINOR CLAY (SM), olive green, moist, dense, poorly graded.	91.2 126	
						Bottom of boring at 12 feet bgs.		

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2006 001-09644-00.GPJ LFR SEPT 2006.GDT 6/6/08

PROJECT NAME Former AAA Equipment - Westside Building Materials
CLIENT Alta Properties - Westside Building Materials

BORING NUMBER DCB-P4

PROJECT LOCATION 745 50th Avenue
DRILLING CONTRACTOR Gregg Drilling
PROJECT NUMBER 001-09644-00
DRILLING METHOD Direct Push
LOCATION DCB-P4
STAMP (IF APPLICABLE) AND/OR NOTES
OVA EQUIPMENT Mini Rae 2000
GROUND ELEVATION _____ **HOLE DIAMETER** 2 inches
TOP OF CASING ELEVATION --- **HOLE DEPTH** 12.0 ft
▽ **FIRST ENCOUNTERED WATER** 7.0 ft
▼ **STABILIZED WATER** 7.0 ft
LOGGED BY Robert Moniz **DATE** 4/2/08

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			SW			GRAVELLY SAND (SW), tan gray, damp, loose, well graded.	0.2	
					2.5			
			CL			GRAVELLY CLAY (CL), dark gray, moist, firm, medium plasticity, with some sand, orange staining.		
	DCB-P4-4'					SANDY CLAY (CL), dark gray, moist, firm, medium plasticity.	91.1	
					4.5			
5			SP		4.8	SAND (SP) lens (3" thick), tan, moist.		5
			CL			▼▽SILTY CLAY (CL), dark gray, wet, soft, medium plasticity.	10.0	
					8.0	SILTY CLAY (CL), olive green/dark gray, moist, hard, medium plasticity. No recovery.	256	
					9.5			
10			CL				39.5	10
					11.0	SANDY CLAY (CL), dark brown, firm, medium plasticity, 10% fine to medium gravel.		
			SP		11.2	SAND (SP) lens (2" thick), tan, moist.	56.6	
	DCB-P4-12'		CL		12.0	SANDY CLAY (CL), olive green, moist, hard, medium plasticity, 10% fine to medium gravel.	220	
						Bottom of boring at 12 feet bgs.		

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2006 001-09644-00.GPJ LFR SEPT 2006.GDT 6/6/08

PROJECT NAME Former AAA Equipment - Westside Building Materials
CLIENT Alta Properties - Westside Building Materials

BORING NUMBER DCB-P5

PROJECT LOCATION 745 50th Avenue
PROJECT NUMBER 001-09644-00
LOCATION DCB-P5
OVA EQUIPMENT Mini Rae 2000
GROUND ELEVATION _____ **HOLE DIAMETER** 4 inches
TOP OF CASING ELEVATION --- **HOLE DEPTH** 12.0 ft
▽ **FIRST ENCOUNTERED WATER** 6.0 ft
▼ **STABILIZED WATER** 9.0 ft
LOGGED BY Robert Moniz **DATE** 4/2/08

DRILLING CONTRACTOR Gregg Drilling
DRILLING METHOD Direct Push
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
						GRAVELLY SAND (SW), dark gray, damp, dense, well graded.	0	
							0	
			SW			-as above, orange staining.	0.1	
	DCB-P5-4'						0.4	
5								5
					6.0▽			
						SANDY CLAY (CL), dark gray, moist, hard, medium plasticity, with some gravel.	0.1	
						-as above, grades to olive green/gray, orange staining from 7 to 8 feet bgs.	0.1	
			CL		▼	SANDY CLAY (CL), orange, wet, firm, medium to high plasticity.		
10							6.0	10
	DCB-P5-12'					-as above, grades to green.		
					12.0		12.2	
						Bottom of boring at 12 feet bgs.		

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2006 001-09644-00.GPJ LFR SEPT 2006.GDT 6/6/08

PROJECT NAME Former AAA Equipment - Westside Building Materials
CLIENT Alta Properties - Westside Building Materials

BORING NUMBER DCB-P6

PROJECT LOCATION 745 50th Avenue
PROJECT NUMBER 001-09644-00
LOCATION DCB-P6
OVA EQUIPMENT Mini Rae 2000
GROUND ELEVATION _____ **HOLE DIAMETER** 2 inches
TOP OF CASING ELEVATION --- **HOLE DEPTH** 12.0 ft
▽ **FIRST ENCOUNTERED WATER** 9.0 ft
▼ **STABILIZED WATER** 9.0 ft
LOGGED BY Robert Moniz **DATE** 4/2/08

DRILLING CONTRACTOR Gregg Drilling
DRILLING METHOD Direct Push
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			CL			GRAVELLY CLAY (CL), dark gray, moist, firm, medium plasticity.	0	
							0.2	
5	DCB-P6-5'							5
					6.0			
			CL			SANDY CLAY (CL), orange brown, moist, firm, medium plasticity.	1.0	
					9.0 ▼ ▽			
10			SM			SILTY SAND (SM), olive green, wet, moderately dense, fine grained, poorly graded.		10
					11.0			
			SW		12.0	GRAVELLY SAND (SW), orange brown, moist, moderately dense, medium grained sand, well graded.	4.1	
						Bottom of boring at 12 feet bgs. Sheen observed on water surface.		

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2006 001-09644-00.GPJ LFR SEPT 2006.GDT 6/6/08

APPENDIX B

Approved Drilling Permit

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 03/28/2008 By vickyh1

Permit Numbers: W2008-0148
Permits Valid from 04/02/2008 to 04/04/2008

Application Id: 1206121152698
City of Project Site: Oakland
Site Location: 745 50th Avenue
Project Start Date: 04/02/2008
Completion Date: 04/04/2008
Requested Inspection: 04/02/2008
Scheduled Inspection: 04/02/2008 at (Contact your inspector, at , to confirm.)

Applicant: LFR Inc - Ron Goloubow
1900 Powell #1200, Emeryville, CA 94608
Phone: 510-652-4500

Property Owner: Jack Krause Westside Alta Building Materials Co.
745 50th Ave, Oakland, CA 94601
Phone: 510-532-2582

Client: ** same as Property Owner **

Contact: Rob Moniz
Phone: 510-652-4500
Cell: 510-409-3831

Total Due: $200.00
Receipt Number: WR2008-0092 **Total Amount Paid:** $200.00
Payer Name : LFR Inc. Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 6 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: DP **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2008-0148	03/28/2008	07/01/2008	6	2.00 in.	6.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

permits and requirements have been approved or obtained.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

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

APPENDIX C

Laboratory-Certified Analytical Reports

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

Laboratory Job Number 202387
ANALYTICAL REPORT

LFR Levine Fricke	Project : 00109466-00
1900 Powell Street	Location : AAA
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
DCB-P6	202387-001
DCB-P3	202387-002
DCB-P1	202387-003
DCB-P2	202387-004
DCB-P5	202387-005
DCB-P4	202387-006
DCB-P6-5FT	202387-007
DCB-P3-4FT	202387-008
DCB-P3-12FT	202387-009
DCB-P1-4FT	202387-010
DCB-P1-12FT	202387-011
DCB-P2-4FT	202387-012
DCB-P5-4FT	202387-013
DCB-P5-12FT	202387-014
DCB-P4-4FT	202387-015
DCB-P4-12FT	202387-016

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 04/22/2008
Project Manager

Signature: _____ Date: 04/22/2008
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**202387**
Client:	**LFR Levine Fricke**
Project:	**00109466-00**
Location:	**AAA**
Request Date:	**04/03/08**
Samples Received:	**04/03/08**

This hardcopy data package contains sample and QC results for six soil samples and six water samples, requested for the above referenced project on 04/03/08. The samples were received cold and intact. All data were e-mailed to Ron Goloubow on 04/16/08.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
High response was observed for acetone in the ICV analyzed 02/16/08 02:13; this analyte was not detected at or above the RL in the associated sample, and affected data was qualified with "b". A number of samples had pH greater than 2. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
5035 samples not analyzed within 48 hours were frozen. High recoveries were observed for trichloroethene in the MS/MSD for batch 136789; the parent sample was not a project sample, the BS/BSD were within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. Low surrogate recoveries were observed for dibromofluoromethane and 1,2-dichloroethane-d4 in the MS/MSD for batch 136789; the parent sample was not a project sample. High surrogate recovery was observed for bromofluorobenzene in DCB-P3-4FT (lab # 202387-008), due to matrix interference; the high surrogate recovery was confirmed by re-analysis. DCB-P6-5FT (lab # 202387-007) was not diluted; the low sample weight is due to 5035 packaging. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	00109466-00	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/02/08
Units:	ug/L	Received:	04/03/08
Batch#:	136826	Prepared:	04/07/08

Field ID:	DCB-P6	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	04/13/08
Lab ID:	202387-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	29,000	50
Motor Oil C24-C36	12,000	300

Surrogate	%REC	Limits
Hexacosane	68	63-130

Field ID:	DCB-P3	Diln Fac:	20.00
Type:	SAMPLE	Analyzed:	04/15/08
Lab ID:	202387-002	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	110,000 Y	1,000
Motor Oil C24-C36	24,000	6,000

Surrogate	%REC	Limits
Hexacosane	DO	63-130

Field ID:	DCB-P1	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	04/13/08
Lab ID:	202387-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	960 Y	50
Motor Oil C24-C36	3,000	300

Surrogate	%REC	Limits
Hexacosane	65	63-130

Field ID:	DCB-P2	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	04/13/08
Lab ID:	202387-004	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	930 Y	50
Motor Oil C24-C36	2,300	300

Surrogate	%REC	Limits
Hexacosane	96	63-130

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	00109466-00	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/02/08
Units:	ug/L	Received:	04/03/08
Batch#:	136826	Prepared:	04/07/08

Field ID:	DCB-P5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	04/16/08
Lab ID:	202387-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	3,400 Y	50
Motor Oil C24-C36	3,100	300

Surrogate	%REC	Limits
Hexacosane	122	63-130

Field ID:	DCB-P4	Diln Fac:	50.00
Type:	SAMPLE	Analyzed:	04/15/08
Lab ID:	202387-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	170,000 Y	2,500
Motor Oil C24-C36	57,000	15,000

Surrogate	%REC	Limits
Hexacosane	DO	63-130

Type:	BLANK	Analyzed:	04/12/08
Lab ID:	QC436480	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	94	63-130

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	00109466-00	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	136826
Units:	ug/L	Prepared:	04/07/08
Diln Fac:	1.000		

Type: BS
Lab ID: QC436481
Analyzed: 04/11/08
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,899	76	61-120

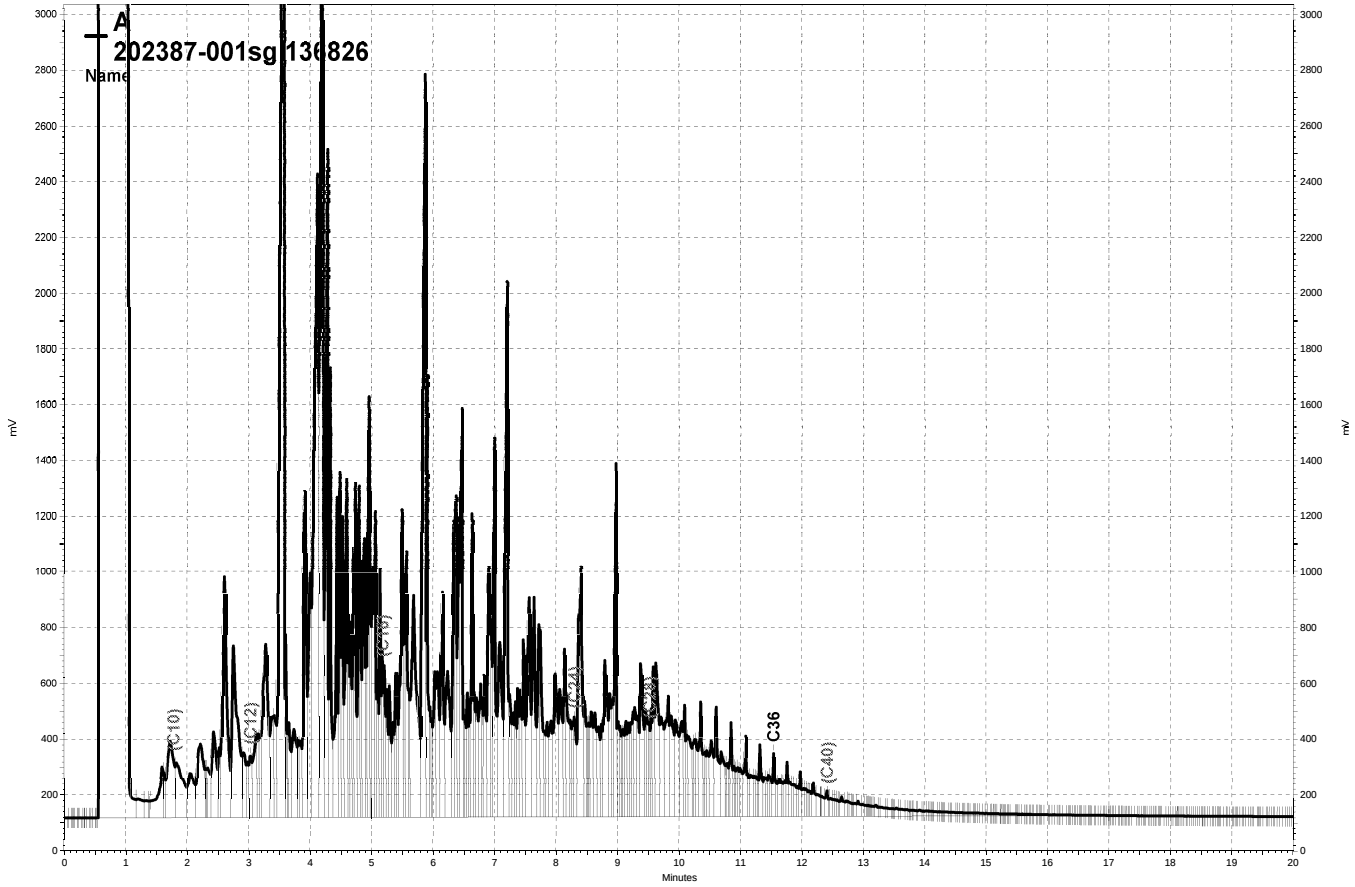
Surrogate	%REC	Limits
Hexacosane	84	63-130

Type: BSD
Lab ID: QC436482
Analyzed: 04/12/08
Cleanup Method: EPA 3630C

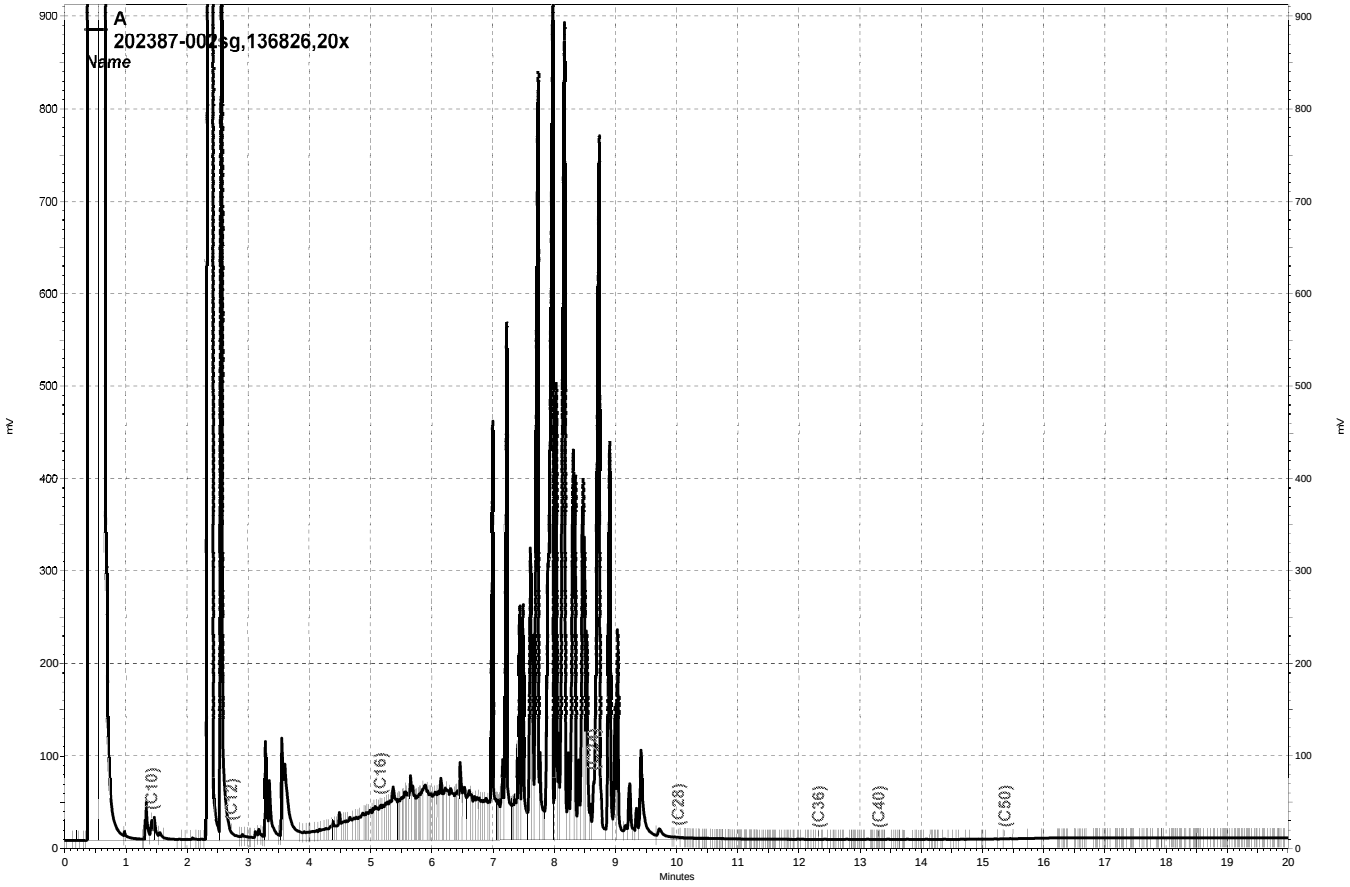
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,948	78	61-120	3	29

Surrogate	%REC	Limits
Hexacosane	90	63-130

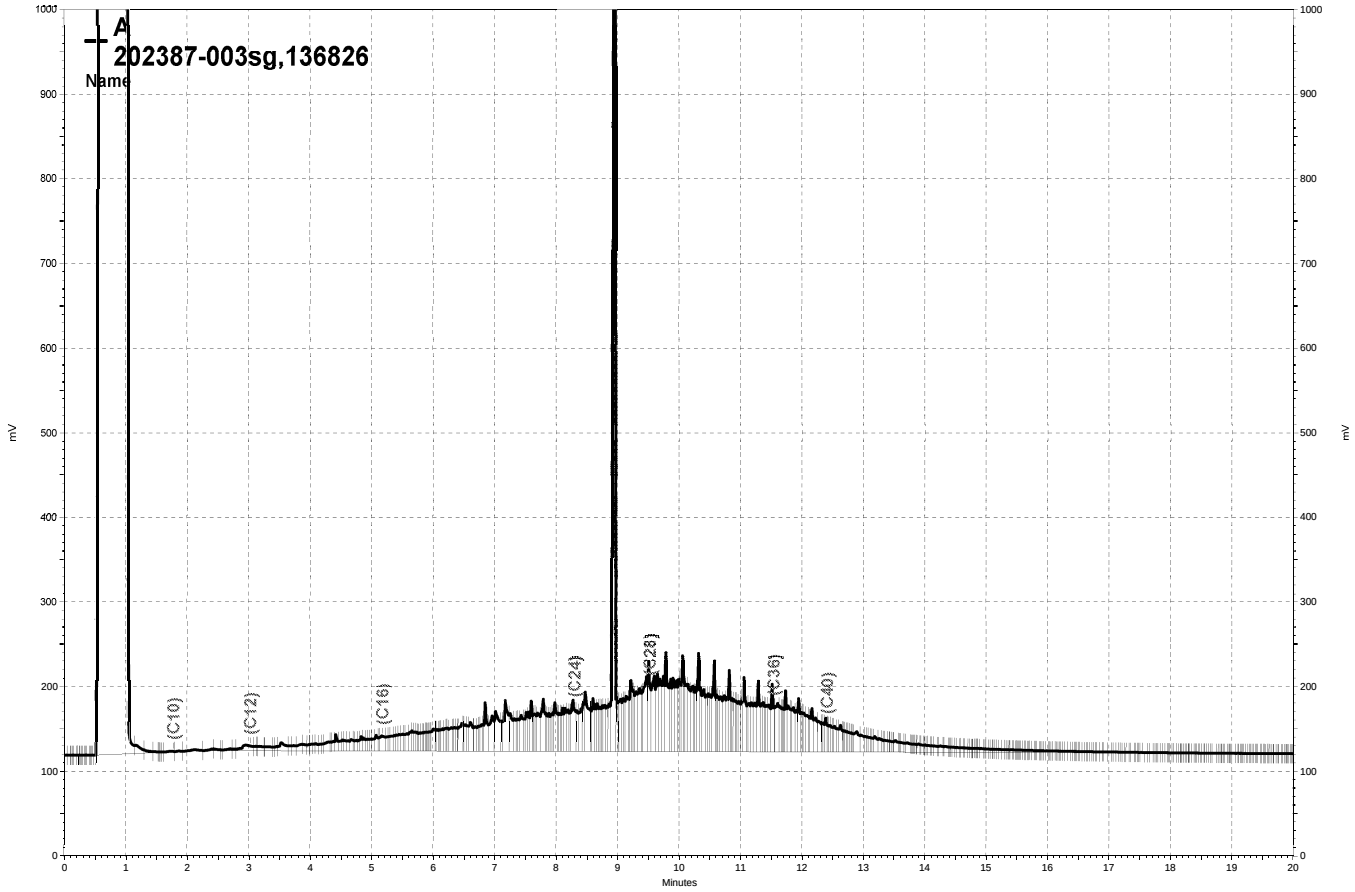
RPD= Relative Percent Difference



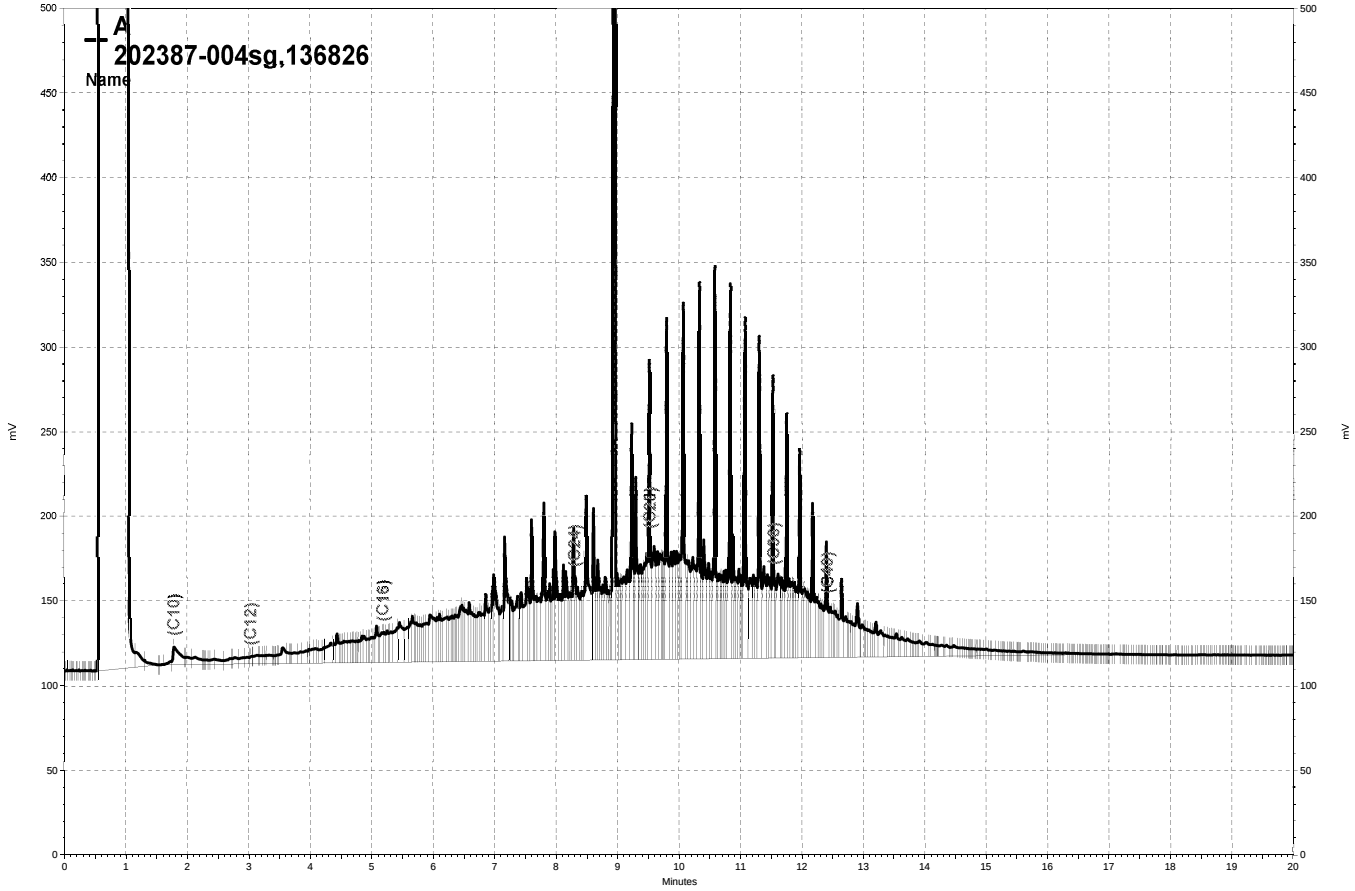
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\104a011, A



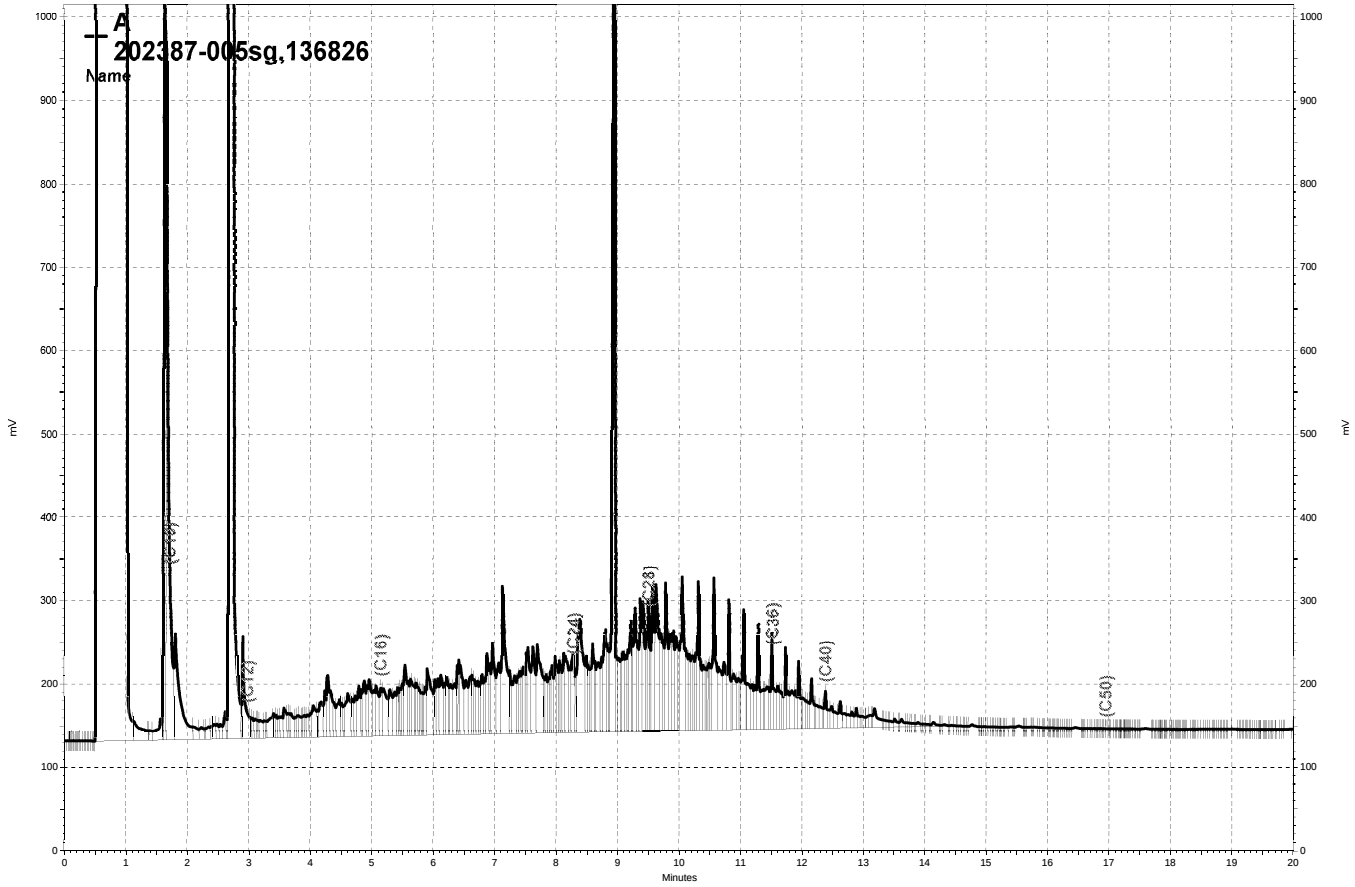
\\Lims\gdrive\ezchrom\Projects\GC26\Data\106a009, A



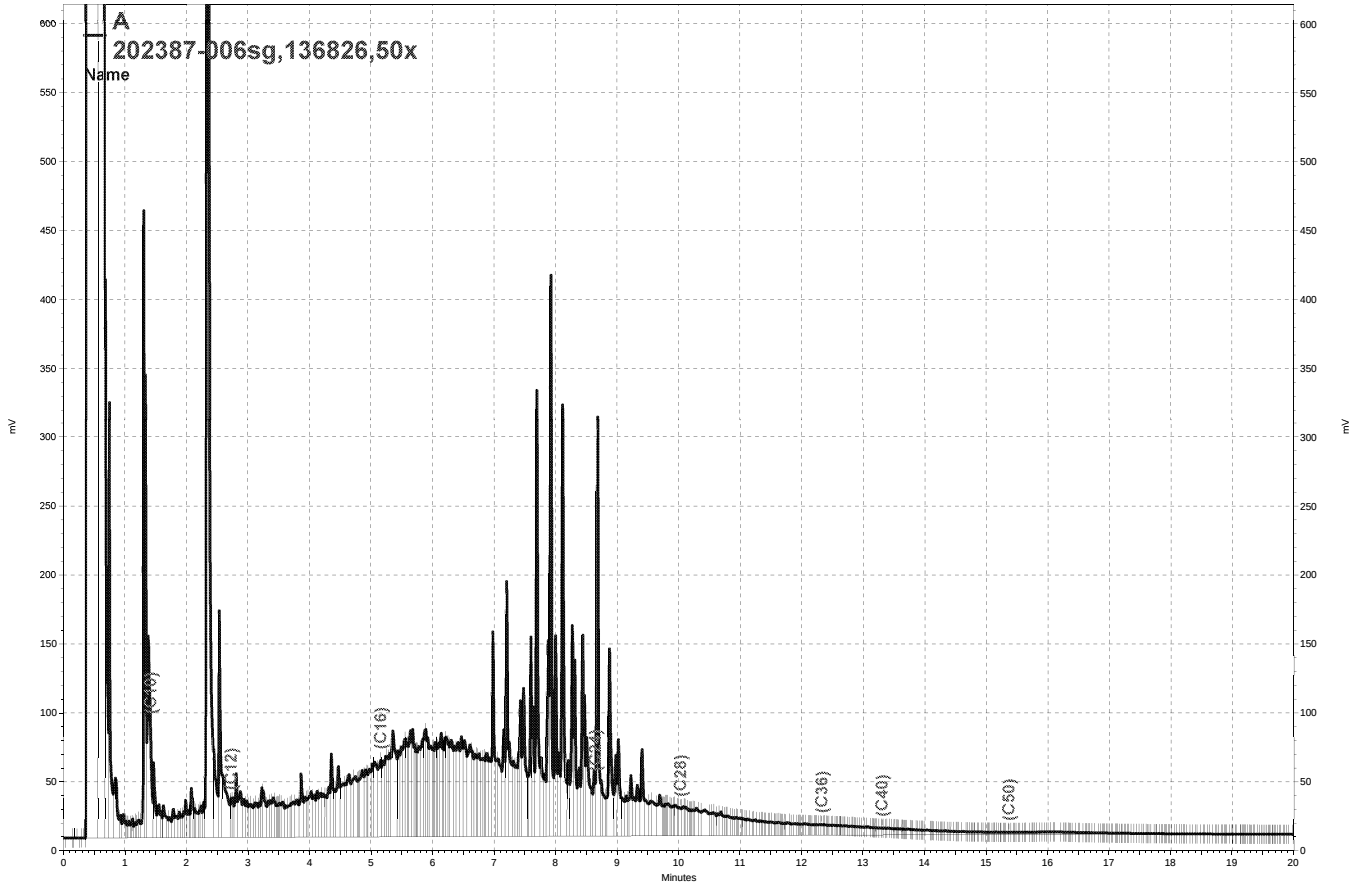
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\104a008, A



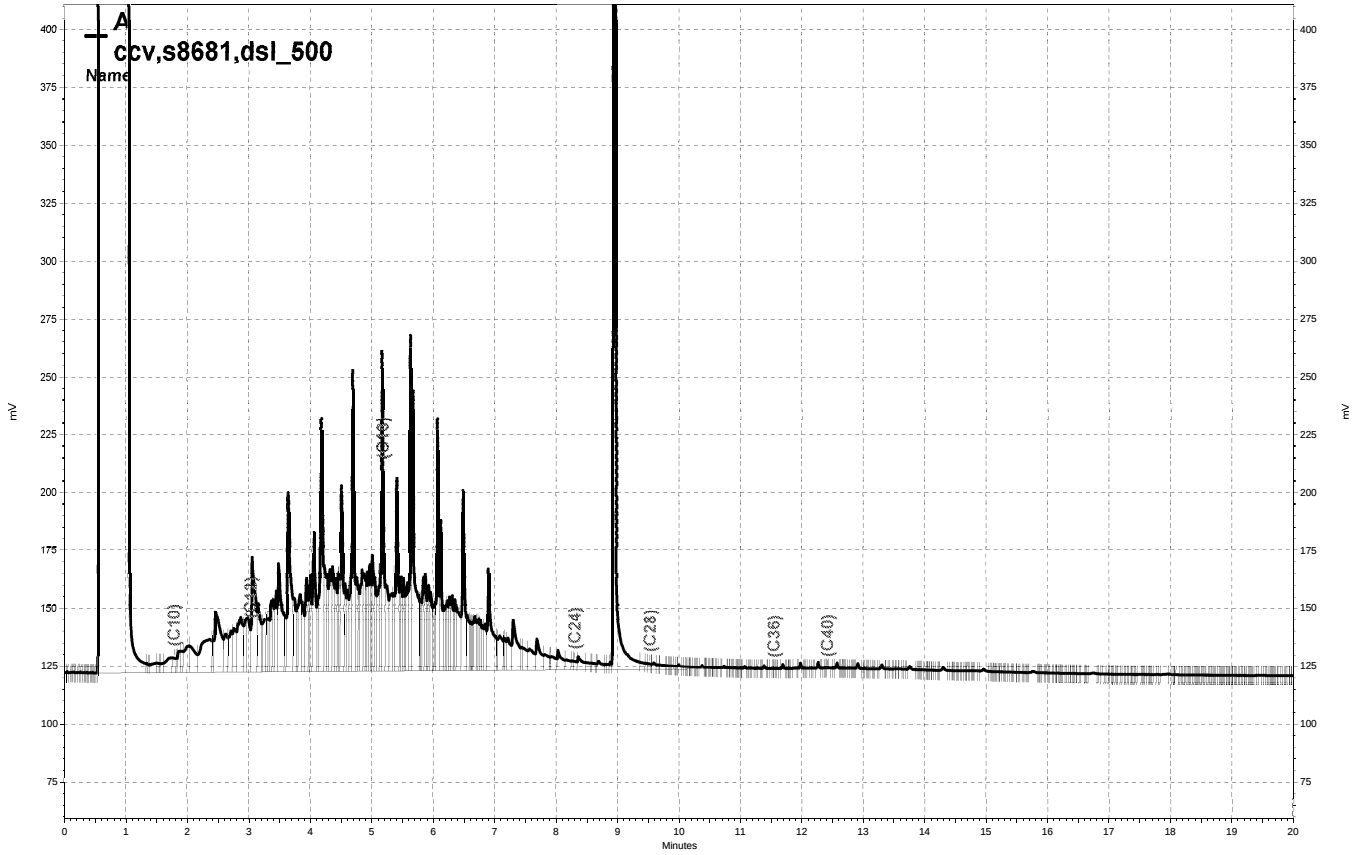
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\104a007, A



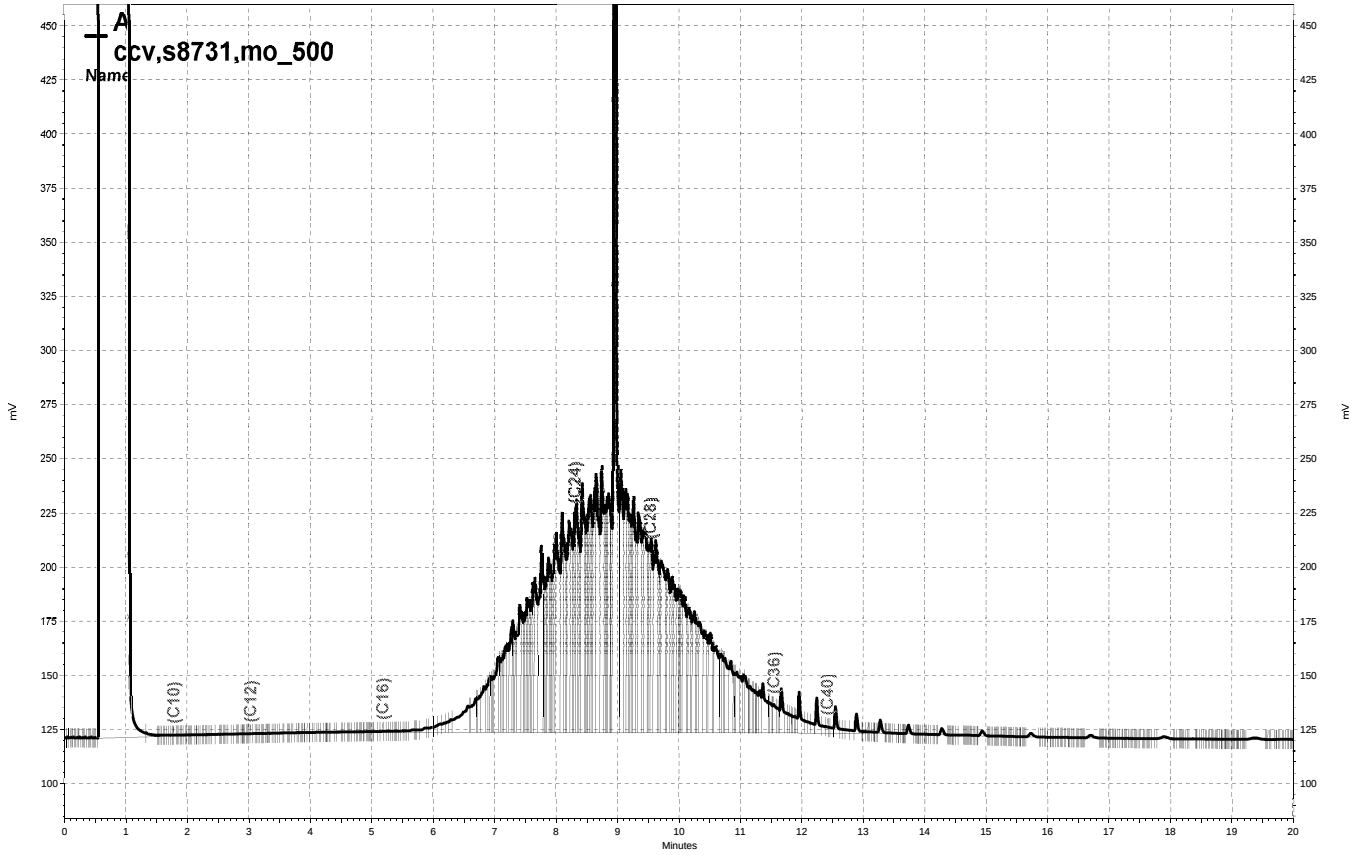
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\106a007, A



\\Lims\gdrive\ezchrom\Projects\GC26\Data\106a013, A



\\Lims\gdrive\ezchrom\Projects\GC11A\Data\104a004, A



\\Lims\gdrive\ezchrom\Projects\GC11A\Data\104a005, A

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P6	Diln Fac:	2.000
Lab ID:	202387-001	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/l		

Analyte	Result	RL	Batch#	Analyzed
Freon 12	ND	2.0	136736	04/04/08
Chloromethane	ND	2.0	136736	04/04/08
Vinyl Chloride	2.5	1.0	136736	04/04/08
Bromomethane	ND	2.0	136736	04/04/08
Chloroethane	ND	2.0	136736	04/04/08
Trichlorofluoromethane	ND	2.0	136736	04/04/08
Acetone	12 J b	20	136736	04/04/08
Freon 113	ND	10	136736	04/04/08
1,1-Dichloroethene	ND	1.0	136736	04/04/08
Methylene Chloride	ND	10	136736	04/04/08
Carbon Disulfide	ND	1.0	136736	04/04/08
MTBE	ND	1.0	136736	04/04/08
trans-1,2-Dichloroethene	ND	1.0	136736	04/04/08
Vinyl Acetate	ND	20	136736	04/04/08
1,1-Dichloroethane	ND	1.0	136736	04/04/08
2-Butanone	ND	20	136736	04/04/08
cis-1,2-Dichloroethene	ND	1.0	136736	04/04/08
2,2-Dichloropropane	ND	1.0	136736	04/04/08
Chloroform	ND	1.0	136736	04/04/08
Bromochloromethane	ND	1.0	136736	04/04/08
1,1,1-Trichloroethane	ND	1.0	136736	04/04/08
1,1-Dichloropropene	ND	1.0	136736	04/04/08
Carbon Tetrachloride	ND	1.0	136736	04/04/08
1,2-Dichloroethane	ND	1.0	136736	04/04/08
Benzene	2.9	1.0	136736	04/04/08
Trichloroethene	5.2	1.0	136736	04/04/08
1,2-Dichloropropane	ND	1.0	136736	04/04/08
Bromodichloromethane	ND	1.0	136736	04/04/08
Dibromomethane	ND	1.0	136736	04/04/08
4-Methyl-2-Pentanone	ND	20	136736	04/04/08
cis-1,3-Dichloropropene	ND	1.0	136736	04/04/08
Toluene	0.9 J	1.0	136736	04/04/08
trans-1,3-Dichloropropene	ND	1.0	136736	04/04/08
1,1,2-Trichloroethane	ND	1.0	136736	04/04/08
2-Hexanone	ND	20	136736	04/04/08
1,3-Dichloropropane	ND	1.0	136736	04/04/08
Tetrachloroethene	ND	1.0	136736	04/04/08
Dibromochloromethane	ND	1.0	136736	04/04/08
1,2-Dibromoethane	ND	1.0	136736	04/04/08
Chlorobenzene	39	1.0	136736	04/04/08
1,1,1,2-Tetrachloroethane	ND	1.0	136736	04/04/08
Ethylbenzene	ND	1.0	136736	04/04/08
m,p-Xylenes	0.8 J	1.0	136736	04/04/08
o-Xylene	3.3	1.0	136736	04/04/08
Styrene	ND	1.0	136736	04/04/08
Bromoform	ND	2.0	136736	04/04/08
Isopropylbenzene	3.8	1.0	136736	04/04/08
1,1,2,2-Tetrachloroethane	ND	1.0	136736	04/04/08
1,2,3-Trichloropropane	ND	1.0	136736	04/04/08
Propylbenzene	2.7	1.0	136736	04/04/08
Bromobenzene	ND	1.0	136736	04/04/08
1,3,5-Trimethylbenzene	5.8	1.0	136736	04/04/08
2-Chlorotoluene	ND	1.0	136736	04/04/08

J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P6	Dil'n Fac:	2.000
Lab ID:	202387-001	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L		

Analyte	Result	RL	Batch#	Analyzed
4-Chlorotoluene	ND	1.0	136736	04/04/08
tert-Butylbenzene	ND	1.0	136736	04/04/08
1,2,4-Trimethylbenzene	6.3	1.0	136736	04/04/08
sec-Butylbenzene	1.6	1.0	136736	04/04/08
para-Isopropyl Toluene	1.8	1.0	136736	04/04/08
1,3-Dichlorobenzene	64	1.0	136736	04/04/08
1,4-Dichlorobenzene	110	1.0	136736	04/04/08
n-Butylbenzene	3.7	1.0	136804	04/07/08
1,2-Dichlorobenzene	7.8	1.0	136736	04/04/08
1,2-Dibromo-3-Chloropropane	ND	4.0	136736	04/04/08
1,2,4-Trichlorobenzene	32	1.0	136736	04/04/08
Hexachlorobutadiene	ND	4.0	136736	04/04/08
Naphthalene	49	4.0	136804	04/07/08
1,2,3-Trichlorobenzene	ND	1.0	136736	04/04/08

Surrogate	%REC	Limits	Batch#	Analyzed
Dibromofluoromethane	99	80-123	136736	04/04/08
1,2-Dichloroethane-d4	105	76-138	136736	04/04/08
Toluene-d8	101	80-120	136736	04/04/08
Bromofluorobenzene	102	80-120	136736	04/04/08

J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P3	Batch#:	136804
Lab ID:	202387-002	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/07/08
Diln Fac:	100.0		

Analyte	Result	RL
Freon 12	ND	100
Chloromethane	ND	100
Vinyl Chloride	ND	50
Bromomethane	ND	100
Chloroethane	ND	100
Trichlorofluoromethane	ND	100
Acetone	ND	1,000
Freon 113	ND	500
1,1-Dichloroethene	ND	50
Methylene Chloride	ND	500
Carbon Disulfide	ND	50
MTBE	ND	50
trans-1,2-Dichloroethene	ND	50
Vinyl Acetate	ND	1,000
1,1-Dichloroethane	ND	50
2-Butanone	ND	1,000
cis-1,2-Dichloroethene	ND	50
2,2-Dichloropropane	ND	50
Chloroform	ND	50
Bromochloromethane	ND	50
1,1,1-Trichloroethane	ND	50
1,1-Dichloropropene	ND	50
Carbon Tetrachloride	ND	50
1,2-Dichloroethane	ND	50
Benzene	ND	50
Trichloroethene	ND	50
1,2-Dichloropropane	ND	50
Bromodichloromethane	ND	50
Dibromomethane	ND	50
4-Methyl-2-Pentanone	ND	1,000
cis-1,3-Dichloropropene	ND	50
Toluene	ND	50
trans-1,3-Dichloropropene	ND	50
1,1,2-Trichloroethane	ND	50
2-Hexanone	ND	1,000
1,3-Dichloropropane	ND	50
Tetrachloroethene	ND	50

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P3	Batch#:	136804
Lab ID:	202387-002	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/07/08
Diln Fac:	100.0		

Analyte	Result	RL
Dibromochloromethane	ND	50
1,2-Dibromoethane	ND	50
Chlorobenzene	ND	50
1,1,1,2-Tetrachloroethane	ND	50
Ethylbenzene	ND	50
m,p-Xylenes	ND	50
o-Xylene	ND	50
Styrene	ND	50
Bromoform	ND	100
Isopropylbenzene	ND	50
1,1,2,2-Tetrachloroethane	ND	50
1,2,3-Trichloropropane	ND	50
Propylbenzene	ND	50
Bromobenzene	ND	50
1,3,5-Trimethylbenzene	ND	50
2-Chlorotoluene	ND	50
4-Chlorotoluene	ND	50
tert-Butylbenzene	ND	50
1,2,4-Trimethylbenzene	ND	50
sec-Butylbenzene	ND	50
para-Isopropyl Toluene	ND	50
1,3-Dichlorobenzene	66	50
1,4-Dichlorobenzene	210	50
n-Butylbenzene	ND	50
1,2-Dichlorobenzene	110	50
1,2-Dibromo-3-Chloropropane	ND	200
1,2,4-Trichlorobenzene	7,100	50
Hexachlorobutadiene	ND	200
Naphthalene	ND	200
1,2,3-Trichlorobenzene	1,600	50

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-123
1,2-Dichloroethane-d4	109	76-138
Toluene-d8	108	80-120
Bromofluorobenzene	95	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P1	Batch#:	136804
Lab ID:	202387-003	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/07/08
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	0.4 J	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P1	Batch#:	136804
Lab ID:	202387-003	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/07/08
Diln Fac:	1.000		

Analyte	Result	RL
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	0.4 J	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	2.6	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	0.7	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-123
1,2-Dichloroethane-d4	112	76-138
Toluene-d8	106	80-120
Bromofluorobenzene	101	80-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P2	Batch#:	136886
Lab ID:	202387-004	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/09/08
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	1.1	0.5
MTBE	0.4 J	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P2	Batch#:	136886
Lab ID:	202387-004	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/09/08
Diln Fac:	1.000		

Analyte	Result	RL
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	0.3 J	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	4.0	0.5
1,4-Dichlorobenzene	18	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	0.9	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	0.5 J	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	101	76-138
Toluene-d8	101	80-120
Bromofluorobenzene	88	80-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P5	Batch#:	136886
Lab ID:	202387-005	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/10/08
Diln Fac:	20.00		

Analyte	Result	RL
Freon 12	ND	20
Chloromethane	ND	20
Vinyl Chloride	ND	10
Bromomethane	ND	20
Chloroethane	ND	20
Trichlorofluoromethane	ND	20
Acetone	ND	200
Freon 113	ND	100
1,1-Dichloroethene	ND	10
Methylene Chloride	ND	100
Carbon Disulfide	ND	10
MTBE	ND	10
trans-1,2-Dichloroethene	ND	10
Vinyl Acetate	ND	200
1,1-Dichloroethane	ND	10
2-Butanone	ND	200
cis-1,2-Dichloroethene	ND	10
2,2-Dichloropropane	ND	10
Chloroform	ND	10
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	10
1,1-Dichloropropene	ND	10
Carbon Tetrachloride	ND	10
1,2-Dichloroethane	ND	10
Benzene	28	10
Trichloroethene	ND	10
1,2-Dichloropropane	ND	10
Bromodichloromethane	ND	10
Dibromomethane	ND	10
4-Methyl-2-Pentanone	ND	200
cis-1,3-Dichloropropene	ND	10
Toluene	ND	10
trans-1,3-Dichloropropene	ND	10
1,1,2-Trichloroethane	ND	10
2-Hexanone	ND	200
1,3-Dichloropropane	ND	10
Tetrachloroethene	ND	10
Dibromochloromethane	ND	10
1,2-Dibromoethane	ND	10
Chlorobenzene	71	10
1,1,1,2-Tetrachloroethane	ND	10
Ethylbenzene	ND	10
m,p-Xylenes	15	10
o-Xylene	5.5 J	10
Styrene	ND	10
Bromoform	ND	20
Isopropylbenzene	ND	10
1,1,2,2-Tetrachloroethane	ND	10
1,2,3-Trichloropropane	ND	10
Propylbenzene	ND	10
Bromobenzene	ND	10
1,3,5-Trimethylbenzene	ND	10
2-Chlorotoluene	ND	10

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P5	Batch#:	136886
Lab ID:	202387-005	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/10/08
Diln Fac:	20.00		

Analyte	Result	RL
4-Chlorotoluene	ND	10
tert-Butylbenzene	ND	10
1,2,4-Trimethylbenzene	8.5 J	10
sec-Butylbenzene	ND	10
para-Isopropyl Toluene	ND	10
1,3-Dichlorobenzene	390	10
1,4-Dichlorobenzene	330	10
n-Butylbenzene	ND	10
1,2-Dichlorobenzene	45	10
1,2-Dibromo-3-Chloropropane	ND	40
1,2,4-Trichlorobenzene	1,500	10
Hexachlorobutadiene	ND	40
Naphthalene	ND	40
1,2,3-Trichlorobenzene	42	10

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-123
1,2-Dichloroethane-d4	105	76-138
Toluene-d8	103	80-120
Bromofluorobenzene	90	80-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P4	Batch#:	136841
Lab ID:	202387-006	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/08/08
Diln Fac:	62.50		

Analyte	Result	RL
Freon 12	ND	63
Chloromethane	ND	63
Vinyl Chloride	ND	31
Bromomethane	ND	63
Chloroethane	ND	63
Trichlorofluoromethane	ND	63
Acetone	ND	630
Freon 113	ND	310
1,1-Dichloroethene	ND	31
Methylene Chloride	ND	310
Carbon Disulfide	50	31
MTBE	ND	31
trans-1,2-Dichloroethene	ND	31
Vinyl Acetate	ND	630
1,1-Dichloroethane	ND	31
2-Butanone	ND	630
cis-1,2-Dichloroethene	ND	31
2,2-Dichloropropane	ND	31
Chloroform	ND	31
Bromochloromethane	ND	31
1,1,1-Trichloroethane	ND	31
1,1-Dichloropropene	ND	31
Carbon Tetrachloride	ND	31
1,2-Dichloroethane	ND	31
Benzene	19 J	31
Trichloroethene	ND	31
1,2-Dichloropropane	ND	31
Bromodichloromethane	ND	31
Dibromomethane	ND	31
4-Methyl-2-Pentanone	ND	630
cis-1,3-Dichloropropene	ND	31
Toluene	ND	31
trans-1,3-Dichloropropene	ND	31
1,1,2-Trichloroethane	ND	31
2-Hexanone	ND	630
1,3-Dichloropropane	ND	31
Tetrachloroethene	ND	31
Dibromochloromethane	ND	31
1,2-Dibromoethane	ND	31
Chlorobenzene	1,000	31
1,1,1,2-Tetrachloroethane	ND	31
Ethylbenzene	ND	31
m,p-Xylenes	ND	31
o-Xylene	ND	31
Styrene	ND	31
Bromoform	ND	63
Isopropylbenzene	ND	31
1,1,2,2-Tetrachloroethane	ND	31
1,2,3-Trichloropropane	ND	31
Propylbenzene	ND	31
Bromobenzene	ND	31
1,3,5-Trimethylbenzene	ND	31
2-Chlorotoluene	ND	31

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P4	Batch#:	136841
Lab ID:	202387-006	Sampled:	04/02/08
Matrix:	Water	Received:	04/03/08
Units:	ug/L	Analyzed:	04/08/08
Diln Fac:	62.50		

Analyte	Result	RL
4-Chlorotoluene	ND	31
tert-Butylbenzene	ND	31
1,2,4-Trimethylbenzene	ND	31
sec-Butylbenzene	ND	31
para-Isopropyl Toluene	ND	31
1,3-Dichlorobenzene	1,600	31
1,4-Dichlorobenzene	1,500	31
n-Butylbenzene	ND	31
1,2-Dichlorobenzene	200	31
1,2-Dibromo-3-Chloropropane	ND	130
1,2,4-Trichlorobenzene	3,800	31
Hexachlorobutadiene	ND	130
Naphthalene	ND	130
1,2,3-Trichlorobenzene	280	31

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-123
1,2-Dichloroethane-d4	116	76-138
Toluene-d8	100	80-120
Bromofluorobenzene	109	80-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	136736
Units:	ug/L	Analyzed:	04/04/08
Diln Fac:	1.000		

Type: BS Lab ID: QC436111

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	30.44	122	77-132
Benzene	25.00	26.84	107	80-120
Trichloroethene	25.00	26.42	106	80-120
Toluene	25.00	28.15	113	80-121
Chlorobenzene	25.00	26.57	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	103	76-138
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-120

Type: BSD Lab ID: QC436112

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	28.43	114	77-132	7	20
Benzene	25.00	25.44	102	80-120	5	20
Trichloroethene	25.00	25.38	102	80-120	4	20
Toluene	25.00	26.80	107	80-121	5	20
Chlorobenzene	25.00	26.24	105	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	100	76-138
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436113	Batch#:	136736
Matrix:	Water	Analyzed:	04/04/08
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436113	Batch#:	136736
Matrix:	Water	Analyzed:	04/04/08
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-123
1,2-Dichloroethane-d4	107	76-138
Toluene-d8	99	80-120
Bromofluorobenzene	107	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436383	Batch#:	136804
Matrix:	Water	Analyzed:	04/07/08
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436383	Batch#:	136804
Matrix:	Water	Analyzed:	04/07/08
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-123
1,2-Dichloroethane-d4	110	76-138
Toluene-d8	105	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC436385	Batch#:	136804
Matrix:	Water	Analyzed:	04/07/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	30.14	121	77-132
Benzene	25.00	26.67	107	80-120
Trichloroethene	25.00	27.99	112	80-120
Toluene	25.00	27.08	108	80-121
Chlorobenzene	25.00	24.83	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-123
1,2-Dichloroethane-d4	108	76-138
Toluene-d8	105	80-120
Bromofluorobenzene	96	80-120

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	136804
MSS Lab ID:	202326-002	Sampled:	03/31/08
Matrix:	Water	Received:	04/01/08
Units:	ug/L	Analyzed:	04/07/08
Diln Fac:	1.000		

Type: MS Lab ID: QC436435

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1000	25.00	29.64	119	80-135
Benzene	<0.1000	25.00	26.88	108	80-122
Trichloroethene	109.9 >LR	25.00	127.4 >LR	70 NM	75-128
Toluene	<0.1000	25.00	27.33	109	80-120
Chlorobenzene	<0.1000	25.00	24.77	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-123
1,2-Dichloroethane-d4	109	76-138
Toluene-d8	106	80-120
Bromofluorobenzene	96	80-120

Type: MSD Lab ID: QC436436

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	30.95	124	80-135	4	20
Benzene	25.00	27.90	112	80-122	4	20
Trichloroethene	25.00	130.2 >LR	81 NM	75-128	NC	20
Toluene	25.00	28.44	114	80-120	4	20
Chlorobenzene	25.00	25.35	101	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-123
1,2-Dichloroethane-d4	109	76-138
Toluene-d8	106	80-120
Bromofluorobenzene	96	80-120

NC= Not Calculated
NM= Not Meaningful: Sample concentration > 4X spike concentration
>LR= Response exceeds instrument's linear range
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	136841
Units:	ug/L	Analyzed:	04/08/08
Diln Fac:	1.000		

Type: BS Lab ID: QC436540

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	24.35	122	77-132
Benzene	20.00	20.72	104	80-120
Trichloroethene	20.00	19.80	99	80-120
Toluene	20.00	19.81	99	80-121
Chlorobenzene	20.00	19.30	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-123
1,2-Dichloroethane-d4	112	76-138
Toluene-d8	100	80-120
Bromofluorobenzene	108	80-120

Type: BSD Lab ID: QC436541

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	21.76	109	77-132	11	20
Benzene	20.00	19.25	96	80-120	7	20
Trichloroethene	20.00	18.16	91	80-120	9	20
Toluene	20.00	18.59	93	80-121	6	20
Chlorobenzene	20.00	17.87	89	80-120	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-123
1,2-Dichloroethane-d4	111	76-138
Toluene-d8	100	80-120
Bromofluorobenzene	107	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436542	Batch#:	136841
Matrix:	Water	Analyzed:	04/08/08
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436542	Batch#:	136841
Matrix:	Water	Analyzed:	04/08/08
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-123
1,2-Dichloroethane-d4	113	76-138
Toluene-d8	100	80-120
Bromofluorobenzene	119	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	136886
Units:	ug/L	Analyzed:	04/09/08
Diln Fac:	1.000		

Type: BS Lab ID: QC436717

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	22.04	88	77-132
Benzene	25.00	23.51	94	80-120
Trichloroethene	25.00	25.04	100	80-120
Toluene	25.00	23.78	95	80-121
Chlorobenzene	25.00	24.17	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-123
1,2-Dichloroethane-d4	94	76-138
Toluene-d8	98	80-120
Bromofluorobenzene	87	80-120

Type: BSD Lab ID: QC436718

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	22.26	89	77-132	1	20
Benzene	25.00	23.17	93	80-120	1	20
Trichloroethene	25.00	24.59	98	80-120	2	20
Toluene	25.00	23.83	95	80-121	0	20
Chlorobenzene	25.00	24.08	96	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-123
1,2-Dichloroethane-d4	96	76-138
Toluene-d8	100	80-120
Bromofluorobenzene	87	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436720	Batch#:	136886
Matrix:	Water	Analyzed:	04/09/08
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436720	Batch#:	136886
Matrix:	Water	Analyzed:	04/09/08
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	100	76-138
Toluene-d8	100	80-120
Bromofluorobenzene	88	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P6-5FT	Diln Fac:	1.250
Lab ID:	202387-007	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Freon 12	ND	13
Chloromethane	ND	13
Vinyl Chloride	ND	13
Bromomethane	ND	13
Chloroethane	ND	13
Trichlorofluoromethane	ND	6.3
Acetone	ND	25
Freon 113	ND	6.3
1,1-Dichloroethene	ND	6.3
Methylene Chloride	ND	25
Carbon Disulfide	ND	6.3
MTBE	ND	6.3
trans-1,2-Dichloroethene	ND	6.3
Vinyl Acetate	ND	63
1,1-Dichloroethane	ND	6.3
2-Butanone	ND	13
cis-1,2-Dichloroethene	ND	6.3
2,2-Dichloropropane	ND	6.3
Chloroform	ND	6.3
Bromochloromethane	ND	6.3
1,1,1-Trichloroethane	ND	6.3
1,1-Dichloropropene	ND	6.3
Carbon Tetrachloride	ND	6.3
1,2-Dichloroethane	ND	6.3
Benzene	ND	6.3
Trichloroethene	ND	6.3
1,2-Dichloropropane	ND	6.3
Bromodichloromethane	ND	6.3
Dibromomethane	ND	6.3
4-Methyl-2-Pentanone	ND	13
cis-1,3-Dichloropropene	ND	6.3
Toluene	ND	6.3
trans-1,3-Dichloropropene	ND	6.3
1,1,2-Trichloroethane	ND	6.3
2-Hexanone	ND	13
1,3-Dichloropropane	ND	6.3
Tetrachloroethene	ND	6.3

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P6-5FT	Diln Fac:	1.250
Lab ID:	202387-007	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Dibromochloromethane	ND	6.3
1,2-Dibromoethane	ND	6.3
Chlorobenzene	ND	6.3
1,1,1,2-Tetrachloroethane	ND	6.3
Ethylbenzene	ND	6.3
m,p-Xylenes	ND	6.3
o-Xylene	ND	6.3
Styrene	ND	6.3
Bromoform	ND	6.3
Isopropylbenzene	ND	6.3
1,1,2,2-Tetrachloroethane	ND	6.3
1,2,3-Trichloropropane	ND	6.3
Propylbenzene	ND	6.3
Bromobenzene	ND	6.3
1,3,5-Trimethylbenzene	ND	6.3
2-Chlorotoluene	ND	6.3
4-Chlorotoluene	ND	6.3
tert-Butylbenzene	ND	6.3
1,2,4-Trimethylbenzene	ND	6.3
sec-Butylbenzene	ND	6.3
para-Isopropyl Toluene	ND	6.3
1,3-Dichlorobenzene	ND	6.3
1,4-Dichlorobenzene	ND	6.3
n-Butylbenzene	ND	6.3
1,2-Dichlorobenzene	ND	6.3
1,2-Dibromo-3-Chloropropane	ND	6.3
1,2,4-Trichlorobenzene	ND	6.3
Hexachlorobutadiene	ND	6.3
Naphthalene	ND	6.3
1,2,3-Trichlorobenzene	ND	6.3

Surrogate	%REC	Limits
Dibromofluoromethane	103	78-126
1,2-Dichloroethane-d4	88	76-137
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-121

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P3-4FT	Diln Fac:	1.000
Lab ID:	202387-008	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P3-4FT	Dil'n Fac:	1.000
Lab ID:	202387-008	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	6.7	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	109	78-126
1,2-Dichloroethane-d4	90	76-137
Toluene-d8	93	80-120
Bromofluorobenzene	147 *	80-121

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P1-4FT	Diln Fac:	0.8065
Lab ID:	202387-010	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Freon 12	ND	8.1
Chloromethane	ND	8.1
Vinyl Chloride	ND	8.1
Bromomethane	ND	8.1
Chloroethane	ND	8.1
Trichlorofluoromethane	ND	4.0
Acetone	ND	16
Freon 113	ND	4.0
1,1-Dichloroethene	ND	4.0
Methylene Chloride	ND	16
Carbon Disulfide	ND	4.0
MTBE	ND	4.0
trans-1,2-Dichloroethene	ND	4.0
Vinyl Acetate	ND	40
1,1-Dichloroethane	ND	4.0
2-Butanone	ND	8.1
cis-1,2-Dichloroethene	ND	4.0
2,2-Dichloropropane	ND	4.0
Chloroform	ND	4.0
Bromochloromethane	ND	4.0
1,1,1-Trichloroethane	ND	4.0
1,1-Dichloropropene	ND	4.0
Carbon Tetrachloride	ND	4.0
1,2-Dichloroethane	ND	4.0
Benzene	ND	4.0
Trichloroethene	ND	4.0
1,2-Dichloropropane	ND	4.0
Bromodichloromethane	ND	4.0
Dibromomethane	ND	4.0
4-Methyl-2-Pentanone	ND	8.1
cis-1,3-Dichloropropene	ND	4.0
Toluene	ND	4.0
trans-1,3-Dichloropropene	ND	4.0
1,1,2-Trichloroethane	ND	4.0
2-Hexanone	ND	8.1
1,3-Dichloropropane	ND	4.0
Tetrachloroethene	ND	4.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P1-4FT	Diln Fac:	0.8065
Lab ID:	202387-010	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Dibromochloromethane	ND	4.0
1,2-Dibromoethane	ND	4.0
Chlorobenzene	ND	4.0
1,1,1,2-Tetrachloroethane	ND	4.0
Ethylbenzene	ND	4.0
m,p-Xylenes	ND	4.0
o-Xylene	ND	4.0
Styrene	ND	4.0
Bromoform	ND	4.0
Isopropylbenzene	ND	4.0
1,1,2,2-Tetrachloroethane	ND	4.0
1,2,3-Trichloropropane	ND	4.0
Propylbenzene	ND	4.0
Bromobenzene	ND	4.0
1,3,5-Trimethylbenzene	ND	4.0
2-Chlorotoluene	ND	4.0
4-Chlorotoluene	ND	4.0
tert-Butylbenzene	ND	4.0
1,2,4-Trimethylbenzene	ND	4.0
sec-Butylbenzene	ND	4.0
para-Isopropyl Toluene	ND	4.0
1,3-Dichlorobenzene	ND	4.0
1,4-Dichlorobenzene	ND	4.0
n-Butylbenzene	ND	4.0
1,2-Dichlorobenzene	ND	4.0
1,2-Dibromo-3-Chloropropane	ND	4.0
1,2,4-Trichlorobenzene	ND	4.0
Hexachlorobutadiene	ND	4.0
Naphthalene	ND	4.0
1,2,3-Trichlorobenzene	ND	4.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-126
1,2-Dichloroethane-d4	91	76-137
Toluene-d8	98	80-120
Bromofluorobenzene	119	80-121

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P2-4FT	Diln Fac:	0.8772
Lab ID:	202387-012	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Freon 12	ND	8.8
Chloromethane	ND	8.8
Vinyl Chloride	ND	8.8
Bromomethane	ND	8.8
Chloroethane	ND	8.8
Trichlorofluoromethane	ND	4.4
Acetone	ND	18
Freon 113	ND	4.4
1,1-Dichloroethene	ND	4.4
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.4
MTBE	ND	4.4
trans-1,2-Dichloroethene	ND	4.4
Vinyl Acetate	ND	44
1,1-Dichloroethane	ND	4.4
2-Butanone	ND	8.8
cis-1,2-Dichloroethene	ND	4.4
2,2-Dichloropropane	ND	4.4
Chloroform	ND	4.4
Bromochloromethane	ND	4.4
1,1,1-Trichloroethane	ND	4.4
1,1-Dichloropropene	ND	4.4
Carbon Tetrachloride	ND	4.4
1,2-Dichloroethane	ND	4.4
Benzene	ND	4.4
Trichloroethene	ND	4.4
1,2-Dichloropropane	ND	4.4
Bromodichloromethane	ND	4.4
Dibromomethane	ND	4.4
4-Methyl-2-Pentanone	ND	8.8
cis-1,3-Dichloropropene	ND	4.4
Toluene	ND	4.4
trans-1,3-Dichloropropene	ND	4.4
1,1,2-Trichloroethane	ND	4.4
2-Hexanone	ND	8.8
1,3-Dichloropropane	ND	4.4
Tetrachloroethene	ND	4.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P2-4FT	Diln Fac:	0.8772
Lab ID:	202387-012	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Dibromochloromethane	ND	4.4
1,2-Dibromoethane	ND	4.4
Chlorobenzene	ND	4.4
1,1,1,2-Tetrachloroethane	ND	4.4
Ethylbenzene	ND	4.4
m,p-Xylenes	ND	4.4
o-Xylene	ND	4.4
Styrene	ND	4.4
Bromoform	ND	4.4
Isopropylbenzene	ND	4.4
1,1,2,2-Tetrachloroethane	ND	4.4
1,2,3-Trichloropropane	ND	4.4
Propylbenzene	ND	4.4
Bromobenzene	ND	4.4
1,3,5-Trimethylbenzene	ND	4.4
2-Chlorotoluene	ND	4.4
4-Chlorotoluene	ND	4.4
tert-Butylbenzene	ND	4.4
1,2,4-Trimethylbenzene	ND	4.4
sec-Butylbenzene	ND	4.4
para-Isopropyl Toluene	ND	4.4
1,3-Dichlorobenzene	ND	4.4
1,4-Dichlorobenzene	ND	4.4
n-Butylbenzene	ND	4.4
1,2-Dichlorobenzene	ND	4.4
1,2-Dibromo-3-Chloropropane	ND	4.4
1,2,4-Trichlorobenzene	ND	4.4
Hexachlorobutadiene	ND	4.4
Naphthalene	ND	4.4
1,2,3-Trichlorobenzene	ND	4.4

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	91	76-137
Toluene-d8	98	80-120
Bromofluorobenzene	120	80-121

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P5-4FT	Diln Fac:	0.8333
Lab ID:	202387-013	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Freon 12	ND	8.3
Chloromethane	ND	8.3
Vinyl Chloride	ND	8.3
Bromomethane	ND	8.3
Chloroethane	ND	8.3
Trichlorofluoromethane	ND	4.2
Acetone	25	17
Freon 113	ND	4.2
1,1-Dichloroethene	ND	4.2
Methylene Chloride	ND	17
Carbon Disulfide	ND	4.2
MTBE	ND	4.2
trans-1,2-Dichloroethene	ND	4.2
Vinyl Acetate	ND	42
1,1-Dichloroethane	ND	4.2
2-Butanone	ND	8.3
cis-1,2-Dichloroethene	ND	4.2
2,2-Dichloropropane	ND	4.2
Chloroform	ND	4.2
Bromochloromethane	ND	4.2
1,1,1-Trichloroethane	ND	4.2
1,1-Dichloropropene	ND	4.2
Carbon Tetrachloride	ND	4.2
1,2-Dichloroethane	ND	4.2
Benzene	ND	4.2
Trichloroethene	ND	4.2
1,2-Dichloropropane	ND	4.2
Bromodichloromethane	ND	4.2
Dibromomethane	ND	4.2
4-Methyl-2-Pentanone	ND	8.3
cis-1,3-Dichloropropene	ND	4.2
Toluene	ND	4.2
trans-1,3-Dichloropropene	ND	4.2
1,1,2-Trichloroethane	ND	4.2
2-Hexanone	ND	8.3
1,3-Dichloropropane	ND	4.2
Tetrachloroethene	ND	4.2

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P5-4FT	Diln Fac:	0.8333
Lab ID:	202387-013	Batch#:	136789
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/07/08

Analyte	Result	RL
Dibromochloromethane	ND	4.2
1,2-Dibromoethane	ND	4.2
Chlorobenzene	ND	4.2
1,1,1,2-Tetrachloroethane	ND	4.2
Ethylbenzene	ND	4.2
m,p-Xylenes	ND	4.2
o-Xylene	ND	4.2
Styrene	ND	4.2
Bromoform	ND	4.2
Isopropylbenzene	ND	4.2
1,1,2,2-Tetrachloroethane	ND	4.2
1,2,3-Trichloropropane	ND	4.2
Propylbenzene	ND	4.2
Bromobenzene	ND	4.2
1,3,5-Trimethylbenzene	ND	4.2
2-Chlorotoluene	ND	4.2
4-Chlorotoluene	ND	4.2
tert-Butylbenzene	ND	4.2
1,2,4-Trimethylbenzene	ND	4.2
sec-Butylbenzene	ND	4.2
para-Isopropyl Toluene	ND	4.2
1,3-Dichlorobenzene	ND	4.2
1,4-Dichlorobenzene	ND	4.2
n-Butylbenzene	ND	4.2
1,2-Dichlorobenzene	ND	4.2
1,2-Dibromo-3-Chloropropane	ND	4.2
1,2,4-Trichlorobenzene	ND	4.2
Hexachlorobutadiene	ND	4.2
Naphthalene	ND	4.2
1,2,3-Trichlorobenzene	ND	4.2

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	90	76-137
Toluene-d8	96	80-120
Bromofluorobenzene	118	80-121

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P4-4FT	Dil'n Fac:	2,500
Lab ID:	202387-015	Batch#:	136956
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/11/08

Analyte	Result	RL
Freon 12	ND	25,000
Chloromethane	ND	25,000
Vinyl Chloride	ND	25,000
Bromomethane	ND	25,000
Chloroethane	ND	25,000
Trichlorofluoromethane	ND	13,000
Acetone	ND	50,000
Freon 113	ND	13,000
1,1-Dichloroethene	ND	13,000
Methylene Chloride	ND	50,000
Carbon Disulfide	ND	13,000
MTBE	ND	13,000
trans-1,2-Dichloroethene	ND	13,000
Vinyl Acetate	ND	130,000
1,1-Dichloroethane	ND	13,000
2-Butanone	ND	25,000
cis-1,2-Dichloroethene	ND	13,000
2,2-Dichloropropane	ND	13,000
Chloroform	ND	13,000
Bromochloromethane	ND	13,000
1,1,1-Trichloroethane	ND	13,000
1,1-Dichloropropene	ND	13,000
Carbon Tetrachloride	ND	13,000
1,2-Dichloroethane	ND	13,000
Benzene	ND	13,000
Trichloroethene	ND	13,000
1,2-Dichloropropane	ND	13,000
Bromodichloromethane	ND	13,000
Dibromomethane	ND	13,000
4-Methyl-2-Pentanone	ND	25,000
cis-1,3-Dichloropropene	ND	13,000
Toluene	ND	13,000
trans-1,3-Dichloropropene	ND	13,000
1,1,2-Trichloroethane	ND	13,000
2-Hexanone	ND	25,000
1,3-Dichloropropane	ND	13,000
Tetrachloroethene	ND	13,000
Dibromochloromethane	ND	13,000
1,2-Dibromoethane	ND	13,000
Chlorobenzene	150,000	13,000
1,1,1,2-Tetrachloroethane	ND	13,000
Ethylbenzene	ND	13,000
m,p-Xylenes	ND	13,000
o-Xylene	ND	13,000
Styrene	ND	13,000
Bromoform	ND	13,000
Isopropylbenzene	ND	13,000
1,1,2,2-Tetrachloroethane	ND	13,000
1,2,3-Trichloropropane	ND	13,000
Propylbenzene	ND	13,000
Bromobenzene	ND	13,000
1,3,5-Trimethylbenzene	ND	13,000
2-Chlorotoluene	ND	13,000

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	DCB-P4-4FT	Dil'n Fac:	2,500
Lab ID:	202387-015	Batch#:	136956
Matrix:	Soil	Sampled:	04/02/08
Units:	ug/Kg	Received:	04/03/08
Basis:	as received	Analyzed:	04/11/08

Analyte	Result	RL
4-Chlorotoluene	ND	13,000
tert-Butylbenzene	ND	13,000
1,2,4-Trimethylbenzene	ND	13,000
sec-Butylbenzene	ND	13,000
para-Isopropyl Toluene	ND	13,000
1,3-Dichlorobenzene	ND	13,000
1,4-Dichlorobenzene	21,000	13,000
n-Butylbenzene	ND	13,000
1,2-Dichlorobenzene	ND	13,000
1,2-Dibromo-3-Chloropropane	ND	13,000
1,2,4-Trichlorobenzene	ND	13,000
Hexachlorobutadiene	ND	13,000
Naphthalene	ND	13,000
1,2,3-Trichlorobenzene	ND	13,000

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	113	76-137
Toluene-d8	107	80-120
Bromofluorobenzene	104	80-121
Trifluorotoluene (MeOH)	DO	52-145

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	136789
Basis:	as received	Analyzed:	04/07/08

Type: BS Lab ID: QC436324

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	27.56	110	71-133
Benzene	25.00	27.94	112	79-123
Trichloroethene	25.00	27.07	108	79-124
Toluene	25.00	27.28	109	80-123
Chlorobenzene	25.00	27.89	112	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	78-126
1,2-Dichloroethane-d4	82	76-137
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-121

Type: BSD Lab ID: QC436325

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.11	108	71-133	2	20
Benzene	25.00	27.71	111	79-123	1	20
Trichloroethene	25.00	25.90	104	79-124	4	20
Toluene	25.00	27.14	109	80-123	1	20
Chlorobenzene	25.00	27.64	111	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	78-126
1,2-Dichloroethane-d4	83	76-137
Toluene-d8	96	80-120
Bromofluorobenzene	102	80-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC436326	Diln Fac:	1.000
Matrix:	Soil	Batch#:	136789
Units:	ug/Kg	Analyzed:	04/07/08

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC436326	Diln Fac:	1.000
Matrix:	Soil	Batch#:	136789
Units:	ug/Kg	Analyzed:	04/07/08

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	98	78-126
1,2-Dichloroethane-d4	88	76-137
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-121

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9259
MSS Lab ID:	202431-009	Batch#:	136789
Matrix:	Soil	Sampled:	03/26/08
Units:	ug/Kg	Received:	04/04/08
Basis:	as received	Analyzed:	04/07/08

Type: MS Lab ID: QC436401

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.4483	46.30	43.77	95	55-139
Benzene	<0.6561	46.30	42.32	91	55-120
Trichloroethene	<0.6888	46.30	70.94	153 *	47-140
Toluene	<0.4839	46.30	42.88	93	52-121
Chlorobenzene	8.103	46.30	45.47	81	47-120

Surrogate	%REC	Limits
Dibromofluoromethane	66 *	78-126
1,2-Dichloroethane-d4	75 *	76-137
Toluene-d8	96	80-120
Bromofluorobenzene	100	80-121

Type: MSD Lab ID: QC436402

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	46.30	47.97	104	55-139	9	29
Benzene	46.30	39.72	86	55-120	6	26
Trichloroethene	46.30	65.26	141 *	47-140	8	28
Toluene	46.30	39.55	85	52-121	8	29
Chlorobenzene	46.30	41.24	72	47-120	10	29

Surrogate	%REC	Limits
Dibromofluoromethane	55 *	78-126
1,2-Dichloroethane-d4	72 *	76-137
Toluene-d8	95	80-120
Bromofluorobenzene	95	80-121

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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC437021	Diln Fac:	1.000
Matrix:	Soil	Batch#:	136956
Units:	ug/Kg	Analyzed:	04/11/08

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC437021	Diln Fac:	1.000
Matrix:	Soil	Batch#:	136956
Units:	ug/Kg	Analyzed:	04/11/08

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	97	78-126
1,2-Dichloroethane-d4	107	76-137
Toluene-d8	109	80-120
Bromofluorobenzene	101	80-121

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	136956
Basis:	as received	Analyzed:	04/11/08

Type: BS Lab ID: QC437022

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.10	100	71-133
Benzene	25.00	25.91	104	79-123
Trichloroethene	25.00	25.39	102	79-124
Toluene	25.00	26.34	105	80-123
Chlorobenzene	25.00	26.29	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-126
1,2-Dichloroethane-d4	113	76-137
Toluene-d8	107	80-120
Bromofluorobenzene	98	80-121

Type: BSD Lab ID: QC437023

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.19	97	71-133	4	20
Benzene	25.00	25.19	101	79-123	3	20
Trichloroethene	25.00	24.77	99	79-124	2	20
Toluene	25.00	26.43	106	80-123	0	20
Chlorobenzene	25.00	26.07	104	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	78-126
1,2-Dichloroethane-d4	109	76-137
Toluene-d8	110	80-120
Bromofluorobenzene	98	80-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 5035
Project#:	00109466-00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	202535-002	Batch#:	136956
Matrix:	Soil	Sampled:	04/09/08
Units:	ug/Kg	Received:	04/10/08
Basis:	as received	Analyzed:	04/11/08

Type: MS Lab ID: QC437148

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.4372	50.00	47.89	96	55-139
Benzene	<0.3048	50.00	44.00	88	55-120
Trichloroethene	<0.4304	50.00	42.96	86	47-140
Toluene	<0.4130	50.00	43.03	86	52-121
Chlorobenzene	<0.2792	50.00	40.66	81	47-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	105	76-137
Toluene-d8	109	80-120
Bromofluorobenzene	97	80-121

Type: MSD Lab ID: QC437149

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	43.22	86	55-139	10	29
Benzene	50.00	39.34	79	55-120	11	26
Trichloroethene	50.00	39.32	79	47-140	9	28
Toluene	50.00	38.61	77	52-121	11	29
Chlorobenzene	50.00	37.24	74	47-120	9	29

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-126
1,2-Dichloroethane-d4	97	76-137
Toluene-d8	107	80-120
Bromofluorobenzene	96	80-121

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	202387	Project#:	00109466-00
Client:	LFR Levine Fricke	Location:	AAA
Field ID:	DCB-P6	Diln Fac:	1.000
Lab ID:	202387-001	Sampled:	04/02/08
Matrix:	Filtrate	Received:	04/03/08
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Barium	320	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Chromium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Copper	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Lead	ND	3.4	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Mercury	ND	0.20	136810	04/07/08	04/07/08	METHOD	EPA 7470A
Molybdenum	40	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Nickel	13	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Selenium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Silver	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Thallium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Zinc	91	20	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	202387	Project#:	00109466-00
Client:	LFR Levine Fricke	Location:	AAA
Field ID:	DCB-P3	Diln Fac:	1.000
Lab ID:	202387-002	Sampled:	04/02/08
Matrix:	Filtrate	Received:	04/03/08
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Barium	360	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Chromium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Copper	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Lead	ND	3.4	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Mercury	ND	0.20	136810	04/07/08	04/07/08	METHOD	EPA 7470A
Molybdenum	18	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Nickel	18	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Selenium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Silver	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Thallium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Zinc	87	20	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	202387	Project#:	00109466-00
Client:	LFR Levine Fricke	Location:	AAA
Field ID:	DCB-P1	Diln Fac:	1.000
Lab ID:	202387-003	Sampled:	04/02/08
Matrix:	Filtrate	Received:	04/03/08
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Arsenic	7.6	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Barium	190	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Chromium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Copper	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Lead	ND	3.4	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Mercury	ND	0.20	136810	04/07/08	04/07/08	METHOD	EPA 7470A
Molybdenum	51	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Nickel	9.6	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Selenium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Silver	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Thallium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Zinc	22	20	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	202387	Project#:	00109466-00
Client:	LFR Levine Fricke	Location:	AAA
Field ID:	DCB-P2	Diln Fac:	1.000
Lab ID:	202387-004	Sampled:	04/02/08
Matrix:	Filtrate	Received:	04/03/08
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Arsenic	35	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Barium	280	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Chromium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Copper	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Lead	ND	3.4	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Mercury	ND	0.20	136810	04/07/08	04/07/08	METHOD	EPA 7470A
Molybdenum	77	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Nickel	29	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Selenium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Silver	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Thallium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Zinc	54	20	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	202387	Project#:	00109466-00
Client:	LFR Levine Fricke	Location:	AAA
Field ID:	DCB-P5	Diln Fac:	1.000
Lab ID:	202387-005	Sampled:	04/02/08
Matrix:	Filtrate	Received:	04/03/08
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Arsenic	11	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Barium	400	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Chromium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Copper	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Lead	ND	3.4	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Mercury	ND	0.20	136810	04/07/08	04/07/08	METHOD	EPA 7470A
Molybdenum	12	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Nickel	10	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Selenium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Silver	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Thallium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Zinc	91	20	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	202387	Project#:	00109466-00
Client:	LFR Levine Fricke	Location:	AAA
Field ID:	DCB-P4	Diln Fac:	1.000
Lab ID:	202387-006	Sampled:	04/02/08
Matrix:	Filtrate	Received:	04/03/08
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Arsenic	8.3	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Barium	340	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Chromium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Copper	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Lead	ND	3.4	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Mercury	ND	0.20	136810	04/07/08	04/07/08	METHOD	EPA 7470A
Molybdenum	18	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Nickel	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Selenium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Silver	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Thallium	ND	10	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B
Zinc	81	20	136740	04/04/08	04/04/08	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 3010A
Project#:	00109466-00	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436126	Batch#:	136740
Matrix:	Filtrate	Prepared:	04/04/08
Units:	ug/L	Analyzed:	04/04/08

Analyte	Result	RL
Antimony	ND	10
Arsenic	ND	5.0
Barium	ND	5.0
Beryllium	ND	2.0
Cadmium	ND	5.0
Chromium	ND	5.0
Cobalt	ND	5.0
Copper	ND	5.0
Lead	ND	3.4
Molybdenum	ND	5.0
Nickel	ND	5.0
Selenium	ND	10
Silver	ND	5.0
Thallium	ND	10
Vanadium	ND	5.0
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 3010A
Project#:	00109466-00	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	136740
Units:	ug/L	Prepared:	04/04/08
Diln Fac:	1.000	Analyzed:	04/04/08

Type: BS Lab ID: QC436127

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	440.1	88	80-120
Arsenic	100.0	96.94	97	80-120
Barium	2,000	1,978	99	80-120
Beryllium	50.00	50.41	101	80-120
Cadmium	50.00	49.79	100	80-120
Chromium	200.0	188.9	94	80-120
Cobalt	500.0	474.8	95	80-120
Copper	250.0	239.8	96	80-120
Lead	100.0	94.40	94	80-120
Molybdenum	400.0	385.9	96	80-120
Nickel	500.0	476.9	95	80-120
Selenium	100.0	92.29	92	80-120
Silver	50.00	46.39	93	80-120
Thallium	100.0	98.42	98	80-120
Vanadium	500.0	468.2	94	80-120
Zinc	500.0	486.2	97	80-120

Type: BSD Lab ID: QC436128

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	433.4	87	80-120	2	20
Arsenic	100.0	93.69	94	80-120	3	20
Barium	2,000	1,926	96	80-120	3	20
Beryllium	50.00	49.33	99	80-120	2	20
Cadmium	50.00	48.22	96	80-120	3	20
Chromium	200.0	185.0	92	80-120	2	20
Cobalt	500.0	463.0	93	80-120	3	20
Copper	250.0	233.9	94	80-120	2	20
Lead	100.0	91.59	92	80-120	3	20
Molybdenum	400.0	375.4	94	80-120	3	20
Nickel	500.0	466.0	93	80-120	2	20
Selenium	100.0	89.89	90	80-120	3	20
Silver	50.00	44.81	90	80-120	3	20
Thallium	100.0	95.29	95	80-120	3	20
Vanadium	500.0	459.7	92	80-120	2	20
Zinc	500.0	476.1	95	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	EPA 3010A
Project#:	00109466-00	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	136740
MSS Lab ID:	202184-008	Sampled:	03/25/08
Matrix:	Filtrate	Received:	03/25/08
Units:	ug/L	Prepared:	04/04/08
Diln Fac:	1.000	Analyzed:	04/04/08

Type: MS Lab ID: QC436129

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<0.9637	500.0	416.6	83	78-120
Arsenic	<1.387	100.0	98.49	98	80-126
Barium	325.0	2,000	2,186	93	80-120
Beryllium	<0.1170	50.00	49.74	99	80-120
Cadmium	<0.3555	50.00	45.95	92	80-120
Chromium	3.416	200.0	181.3	89	80-120
Cobalt	3.046	500.0	430.9	86	80-120
Copper	<1.577	250.0	235.2	94	80-120
Lead	<1.150	100.0	80.68	81	77-120
Molybdenum	<1.384	400.0	365.6	91	80-120
Nickel	1.104	500.0	435.8	87	79-120
Selenium	<1.986	100.0	88.27	88	80-125
Silver	<0.7500	50.00	47.79	96	72-120
Thallium	3.025	100.0	90.92	88	77-120
Vanadium	2.537	500.0	464.6	92	80-120
Zinc	<3.056	500.0	457.4	91	78-122

Type: MSD Lab ID: QC436130

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	419.9	84	78-120	1	20
Arsenic	100.0	98.62	99	80-126	0	20
Barium	2,000	2,175	92	80-120	1	20
Beryllium	50.00	49.00	98	80-120	1	20
Cadmium	50.00	47.23	94	80-120	3	20
Chromium	200.0	184.7	91	80-120	2	20
Cobalt	500.0	441.2	88	80-120	2	20
Copper	250.0	232.9	93	80-120	1	20
Lead	100.0	85.58	86	77-120	6	20
Molybdenum	400.0	376.5	94	80-120	3	20
Nickel	500.0	445.2	89	79-120	2	20
Selenium	100.0	81.64	82	80-125	8	20
Silver	50.00	47.80	96	72-120	0	20
Thallium	100.0	87.10	84	77-120	4	20
Vanadium	500.0	463.0	92	80-120	0	20
Zinc	500.0	464.9	93	78-122	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	00109466-00	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	136810
Lab ID:	QC436419	Prepared:	04/07/08
Matrix:	Water	Analyzed:	04/07/08
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	00109466-00	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	136810
Matrix:	Water	Prepared:	04/07/08
Units:	ug/L	Analyzed:	04/07/08
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC436420	5.000	5.080	102	80-120		
BSD	QC436421	5.000	5.100	102	80-120	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	202387	Location:	AAA
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	00109466-00	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	136810
Field ID:	ZZZZZZZZZZ	Sampled:	04/04/08
MSS Lab ID:	202445-001	Received:	04/04/08
Matrix:	Filtrate	Prepared:	04/07/08
Units:	ug/L	Analyzed:	04/07/08
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC436423	<0.04502	5.000	5.170	103	77-126		
MSD	QC436424		5.000	5.160	103	77-126	0	20

RPD= Relative Percent Difference

202387

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

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

PROJECT NO.: 00109466-00 | SECTION NO.: | DATE: 4-2-08 | SAMPLER'S INITIALS: REM | SERIAL NO.: Nº 203269

PROJECT NAME: AAA | SAMPLER (Signature): Rob Monz

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

	SAMPLE ID.	DATE	TIME	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHmo (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8021/602)	VOCs (EPA 8260)	Metals (EPA 6010)	PNA 8270	TAT: Standard	TAT: RUSH:	TAT: HOLD	REMARKS
Water																		
1	DCB - P6	4-2-08	1125		5		X	X	X			X	X		X			CAM 17 Metals need filter + Axing @ Lab
2	DCB - P3		1240		5		X											
3	DCB - P1		1330		5		X											
4	DCB - P2		1530		5		X											
5	DCB - P5		1620		5		X											Silica gel clean-up for TPHd + TPHmo
6	DCB - P4	4-2-08	1700		5		X	X	X			X	X		X			
Soil																		
7	DCB-P6 - 5 ft	4-2-08	1110	X	3			X	X			X	X	X	X			
8	DCB-P3 - 4 ft		1255	X	3										X			
9	DCB-P3 - 12 ft		1300	X	3											X		
10	DCB - P1 - 4 ft		1400	X	3										X			
11	DCB - P1 - 12 ft		1405	X	3											X		only able to do VOCs
12	DCB - P2 - 4 ft		1515	X	3										X			
13	DCB - P2 - 4 ft		1610	X	3										X			
14	DCB - P5 - 12 ft		1615	X	3											X		
15	DCB - P4 - 4 ft		1710	X	3										X			
16	DCB - P4 - 12 ft	4-2-08	1715	X	3			X	X			X	X	X		X		

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

METHOD OF SHIPMENT: Hand delivered
LAB REPORT NO.:
FAX COC CONFIRMATION TO: Ron Goloubow

ANALYTICAL LABORATORY: C+T

FAX RESULTS TO: " "
SEND HARDCOPY TO: " "
SEND EDD TO: EMV.LABEDDS.COM

	RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
(SIGNATURE)	Rob Monz		
(DATE)	4-3-08		
(PRINTED NAME)	Rob Monz		
(TIME)	605		
(COMPANY)	LFR		

	RECEIVED BY: 1	RECEIVED BY: 2	RECEIVED BY (LABORATORY): 3
(SIGNATURE)	[signature]		
(DATE)	4-3-08		
(PRINTED NAME)	Faith Nichols		
(TIME)	1000		
(COMPANY)	C+T		

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

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 202387 Date Received 4-3-08 Number of coolers 1
Client LFR Project AAA

Date Opened 4-3-08 By (print) F Nichols (sign) [signature]
Date Logged in 4-3-08 By (print) F Nichols (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc)? ..... YES (NO)
Shipping info _____

2A. Were custody seals present? .... ☒ YES (circle) (on cooler) on samples ☐ NO
How many 1 over lip Name Unreadable Date 4-3-08
2B. Were custody seals intact upon arrival? ..... (YES) NO N/A
3. Were custody papers dry and intact when received? ..... (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ..... (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ..... (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☒ Bubble Wrap ☒ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. If required, was sufficient ice used? Samples should be < or = 6°C ..... (YES) NO N/A
Type of ice used: ☒ WET ☐ BLUE ☐ NONE Temp(°C) No temp blank, All Cold
☐ SAMPLES RECEIVED ON ICE DIRECTLY FROM FIELD. COOLING PROCESS HAD BEGUN.

8. Were soil Encore sampling devices present? ..... (YES) NO
If YES, what time were they transferred to freezer? 1100
9. Did all bottles arrive unbroken/unopened? ..... (YES) NO
10. Are samples in the appropriate containers for indicated tests? ..... (YES) NO
11. Are sample labels present, in good condition and complete? ..... (YES) NO
12. Do the sample labels agree with custody papers? ..... (YES) NO
13. Was sufficient amount of sample sent for tests requested? ..... (YES) NO
14. Are the samples appropriately preserved? ..... (YES) NO N/A
15. Are bubbles absent in VOA samples? ..... (YES) NO N/A
16. Was the client contacted concerning this sample delivery? ..... YES NO
If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____
_____

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

Laboratory Job Number 202462
ANALYTICAL REPORT

LFR Levine Fricke	Project : 001-09466-01
1900 Powell Street	Location : Learner
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
LP-1-4.0	202462-001
LP-1-8.0	202462-002
DCB-P3-4.0	202462-003
DCB-P3-6.0	202462-004
DCB-P1-4.0	202462-005
DCB-P1-6.0	202462-006
DCB-P2-4.0	202462-007
DCB-P2-8.0	202462-008
DCB-P4-3.0	202462-009
DCB-P4-8.0	202462-010
DCB-P5-3.0	202462-011
DCB-P5-8.0	202462-012
DCB-P6-4.5	202462-013
DCB-P6-7.5	202462-014
DCB-P5-6.5	202462-015
DCB-P3-8.0	202462-016

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 04/18/2008
Project Manager

Signature: _____ Date: 04/21/2008
Quality Assurance Director

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**202462**
Client:	**LFR Levine Fricke**
Project:	**001-09466-01**
Location:	**Learner**
Request Date:	**04/07/08**
Samples Received:	**04/07/08**

This hardcopy data package contains sample and QC results for eight soil samples, requested for the above referenced project on 04/07/08. The samples were received cold and intact. All data were e-mailed to Ron Goloubow on 04/18/08.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
High surrogate recovery was observed for trifluorotoluene (FID) in the LCS for batch 136952. High surrogate recoveries were observed for bromofluorobenzene (FID) in DCB-P4-3.0 (lab # 202462-009) and the LCS for batch 136952. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
Many samples were diluted due to the dark and viscous nature of the sample extracts. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
Many samples were diluted due to the dark and viscous nature of the sample extracts. DCB-P3-4.0 (lab # 202462-003) and DCB-P4-3.0 (lab # 202462-009) were diluted due to high non-target analytes. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
Low recoveries were observed for barium and lead in the MS of LP-1-4.0 (lab # 202462-001); the BS/BSD were within limits, and the associated RPDs were within limits. High recoveries were observed for chromium and nickel in the MSD of LP-1-4.0 (lab # 202462-001); the BS/BSD were within limits. High RPD was observed for chromium, molybdenum, and nickel in the MS/MSD of LP-1-4.0 (lab # 202462-001); the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	04/07/08
Basis:	as received	Received:	04/07/08

Field ID: LP-1-4.0 Batch#: 137041
Type: SAMPLE Analyzed: 04/15/08
Lab ID: 202462-001

Analyte	Result	RL
Gasoline C7-C12	ND	0.96

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	66-139
Bromofluorobenzene (FID)	108	67-149

Field ID: DCB-P3-4.0 Batch#: 136952
Type: SAMPLE Analyzed: 04/11/08
Lab ID: 202462-003

Analyte	Result	RL
Gasoline C7-C12	ND	0.92

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	66-139
Bromofluorobenzene (FID)	119	67-149

Field ID: DCB-P1-4.0 Batch#: 136952
Type: SAMPLE Analyzed: 04/10/08
Lab ID: 202462-005

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	66-139
Bromofluorobenzene (FID)	130	67-149

Field ID: DCB-P2-4.0 Batch#: 136982
Type: SAMPLE Analyzed: 04/12/08
Lab ID: 202462-007

Analyte	Result	RL
Gasoline C7-C12	ND	0.95

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	66-139
Bromofluorobenzene (FID)	100	67-149

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	04/07/08
Basis:	as received	Received:	04/07/08

Field ID: DCB-P4-3.0 Batch#: 136982
Type: SAMPLE Analyzed: 04/12/08
Lab ID: 202462-009

Analyte	Result	RL
Gasoline C7-C12	51 Y Z	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	66-139
Bromofluorobenzene (FID)	172 *	67-149

Field ID: DCB-P4-8.0 Batch#: 136982
Type: SAMPLE Analyzed: 04/12/08
Lab ID: 202462-010

Analyte	Result	RL
Gasoline C7-C12	15 Y Z	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	66-139
Bromofluorobenzene (FID)	124	67-149

Field ID: DCB-P5-3.0 Batch#: 136982
Type: SAMPLE Analyzed: 04/12/08
Lab ID: 202462-011

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	88	66-139
Bromofluorobenzene (FID)	92	67-149

Field ID: DCB-P6-4.5 Batch#: 136982
Type: SAMPLE Analyzed: 04/12/08
Lab ID: 202462-013

Analyte	Result	RL
Gasoline C7-C12	ND	0.92

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	66-139
Bromofluorobenzene (FID)	99	67-149

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	04/07/08
Basis:	as received	Received:	04/07/08

Type: BLANK
Lab ID: QC437007
Batch#: 136952
Analyzed: 04/10/08

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	66-139
Bromofluorobenzene (FID)	134	67-149

Type: BLANK
Lab ID: QC437143
Batch#: 136982
Analyzed: 04/11/08

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	66-139
Bromofluorobenzene (FID)	96	67-149

Type: BLANK
Lab ID: QC437390
Batch#: 137041
Analyzed: 04/15/08

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	66-139
Bromofluorobenzene (FID)	105	67-149

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC437008	Diln Fac:	1.000
Matrix:	Soil	Batch#:	136952
Units:	mg/Kg	Analyzed:	04/10/08

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	15.00	14.00	93	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	145 *	66-139
Bromofluorobenzene (FID)	153 *	67-149

*= Value outside of QC limits; see narrative

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	202437-001	Batch#:	136952
Matrix:	Soil	Sampled:	04/04/08
Units:	mg/Kg	Received:	04/04/08
Basis:	as received	Analyzed:	04/11/08

Type: MS Lab ID: QC437009

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1973	9.804	6.766	67	45-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	66-139
Bromofluorobenzene (FID)	131	67-149

Type: MSD Lab ID: QC437010

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.20	6.577	63	45-120	7	24

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	66-139
Bromofluorobenzene (FID)	127	67-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC437163	Diln Fac:	1.000
Matrix:	Soil	Batch#:	136982
Units:	mg/Kg	Analyzed:	04/11/08

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	4.367	87	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	66-139
Bromofluorobenzene (FID)	94	67-149

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	5.000
MSS Lab ID:	202285-003	Batch#:	136982
Matrix:	Soil	Sampled:	03/28/08
Units:	mg/Kg	Received:	03/28/08
Basis:	as received	Analyzed:	04/12/08

Type: MS Lab ID: QC437164

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.6585	50.00	42.35	83	45-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	66-139
Bromofluorobenzene (FID)	103	67-149

Type: MSD Lab ID: QC437165

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	50.00	42.92	85	45-120	1	24

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	66-139
Bromofluorobenzene (FID)	118	67-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	5.000
MSS Lab ID:	202285-010	Batch#:	136982
Matrix:	Soil	Sampled:	03/28/08
Units:	mg/Kg	Received:	03/28/08
Basis:	as received	Analyzed:	04/12/08

Type: MS Lab ID: QC437166

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.6334	50.00	41.44	82	45-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	66-139
Bromofluorobenzene (FID)	99	67-149

Type: MSD Lab ID: QC437167

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	50.00	40.65	80	45-120	2	24

Surrogate	%REC	Limits
Trifluorotoluene (FID)	125	66-139
Bromofluorobenzene (FID)	100	67-149

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC437391	Diln Fac:	1.000
Matrix:	Soil	Batch#:	137041
Units:	mg/Kg	Analyzed:	04/15/08

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	5.000	5.111	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	66-139
Bromofluorobenzene (FID)	114	67-149

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09466-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	202555-003	Batch#:	137041
Matrix:	Soil	Sampled:	04/10/08
Units:	mg/Kg	Received:	04/11/08
Basis:	as received	Analyzed:	04/15/08

Type: MS Lab ID: QC437392

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.9549	9.615	7.664	70	45-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	66-139
Bromofluorobenzene (FID)	115	67-149

Type: MSD Lab ID: QC437393

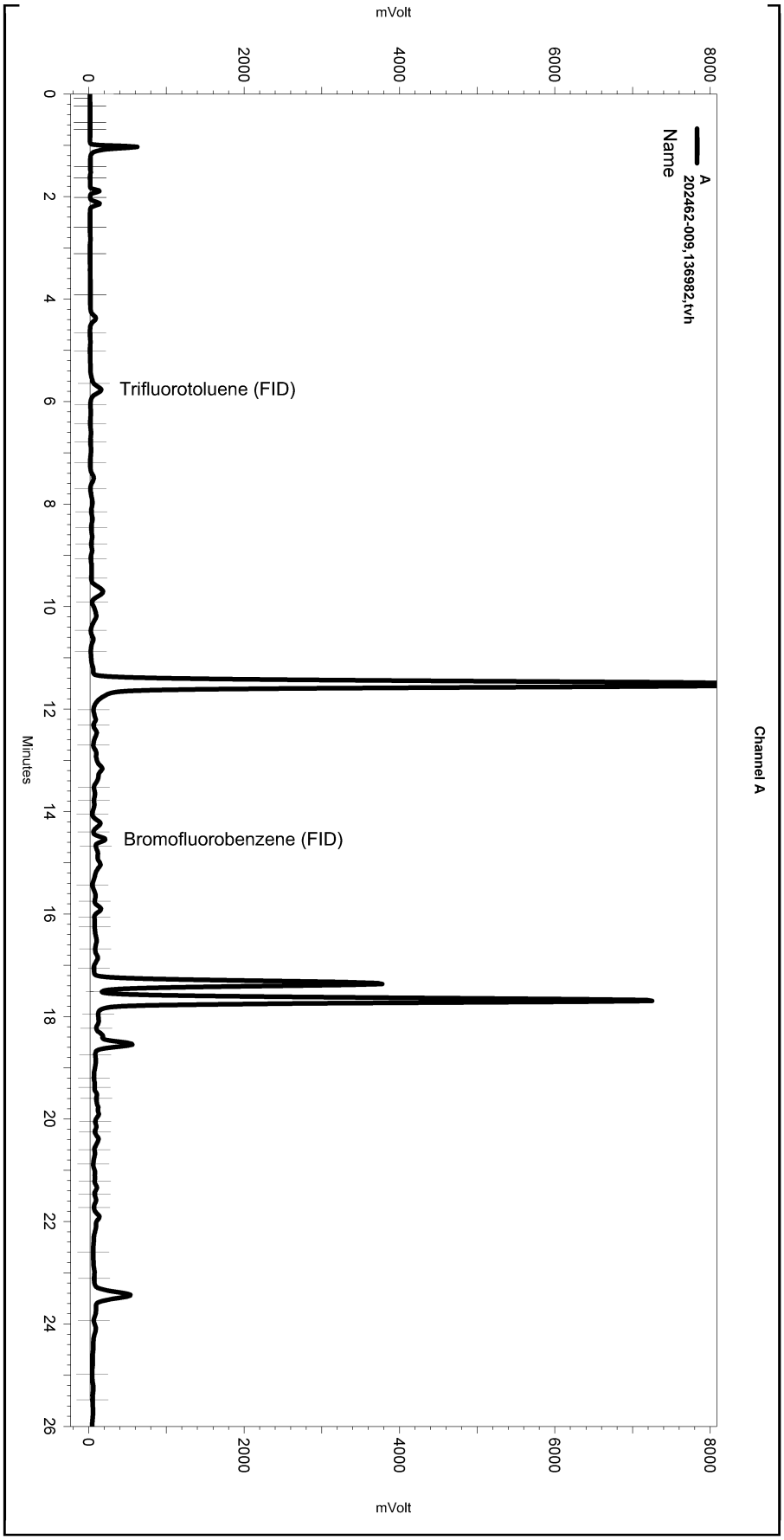
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.434	7.028	64	45-120	7	24

Surrogate	%REC	Limits
Trifluorotoluene (FID)	123	66-139
Bromofluorobenzene (FID)	111	67-149

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\102.seq**
Sample Name: **202462-009,136982,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\102_034**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe055.met

Software Version 3.1.7
Run Date: 4/12/2008 9:20:45 AM
Analysis Date: 4/12/2008 3:33:04 PM
Sample Amount: 0.96 Multiplier: 0.96
Vial & pH or Core ID: a



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

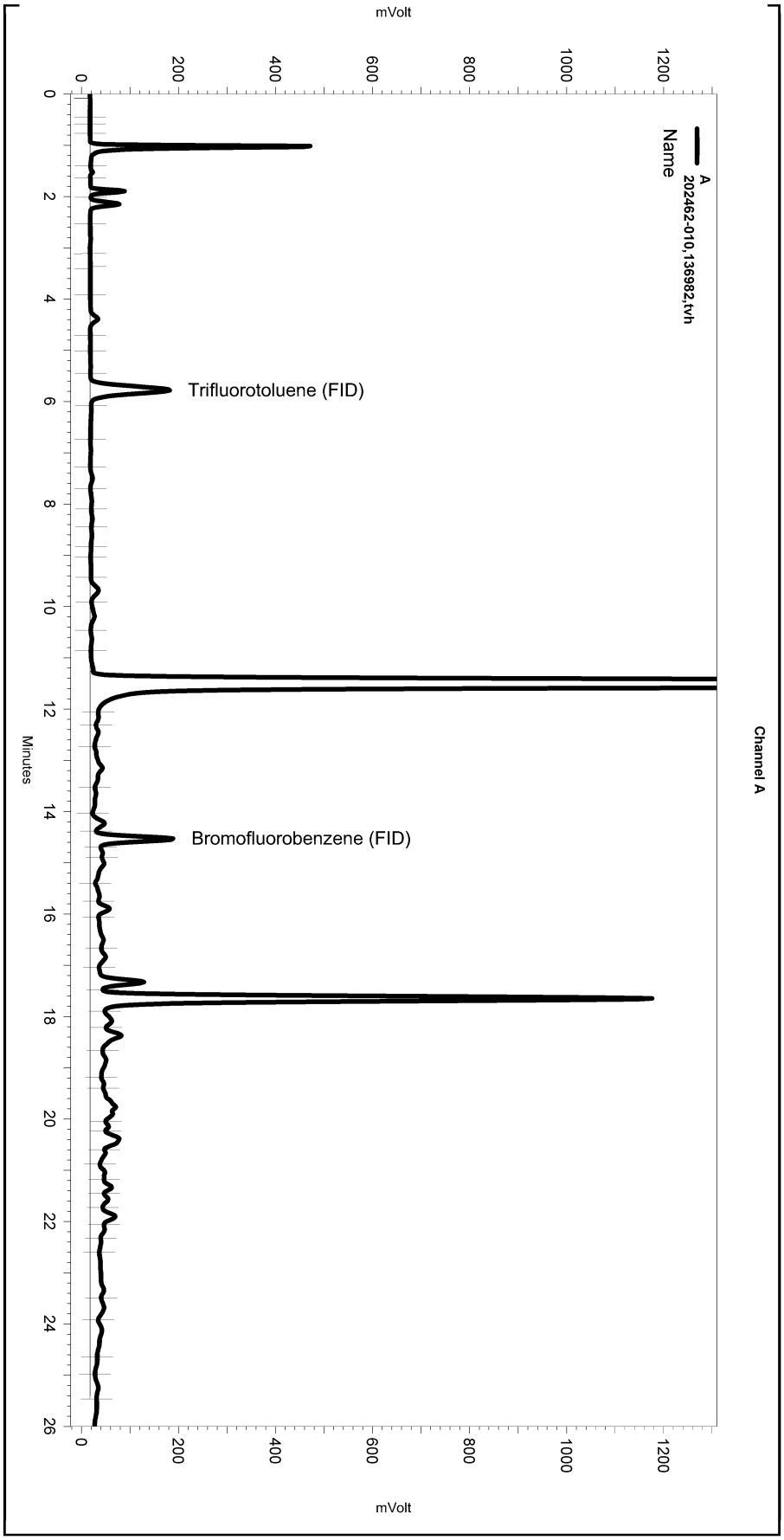
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\102_034

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.64	25.743	0
Yes	Split Peak	5.648	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\102.seq**
Sample Name: **202462-010,136982,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\102_035**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe055.met

Software Version 3.1.7
Run Date: 4/12/2008 9:58:20 AM
Analysis Date: 4/12/2008 3:33:41 PM
Sample Amount: 1.01 Multiplier: 1.01
Vial & pH or Core ID: a



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

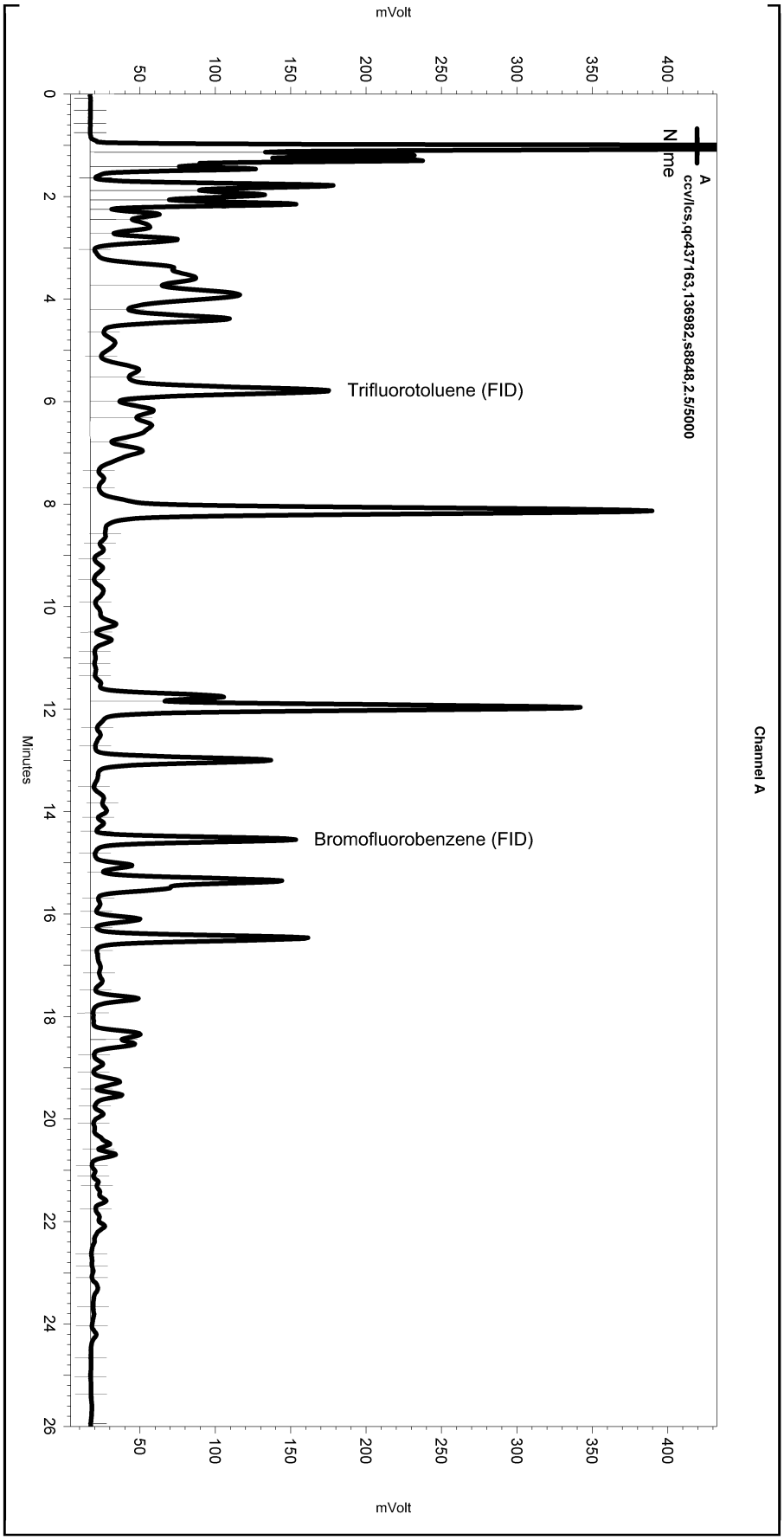
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\102_035

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.421	25.579	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\102.seq**
Sample Name: **ccv/lcs,qc437163,136982,s8848,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\102_002**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe055.met

Software Version 3.1.7
Run Date: 4/11/2008 10:55:00 AM
Analysis Date: 4/12/2008 7:43:03 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\102_002

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09466-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/07/08
Units:	mg/Kg	Received:	04/07/08
Basis:	as received	Prepared:	04/09/08
Batch#:	136880		

Field ID:	LP-1-4.0	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	04/17/08
Lab ID:	202462-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	210 Y	10
Motor Oil C24-C36	650	50

Surrogate	%REC	Limits
Hexacosane	DO	48-128

Field ID:	DCB-P3-4.0	Diln Fac:	5.000
Type:	SAMPLE	Analyzed:	04/17/08
Lab ID:	202462-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	110 Y	5.0
Motor Oil C24-C36	360	25

Surrogate	%REC	Limits
Hexacosane	66	48-128

Field ID:	DCB-P1-4.0	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	04/17/08
Lab ID:	202462-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	170 Y	10
Motor Oil C24-C36	670	50

Surrogate	%REC	Limits
Hexacosane	DO	48-128

Field ID:	DCB-P2-4.0	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	04/17/08
Lab ID:	202462-007	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	290 Y	9.9
Motor Oil C24-C36	890	50

Surrogate	%REC	Limits
Hexacosane	DO	48-128

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09466-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/07/08
Units:	mg/Kg	Received:	04/07/08
Basis:	as received	Prepared:	04/09/08
Batch#:	136880		

Field ID: DCB-P4-3.0 Diln Fac: 50.00
Type: SAMPLE Analyzed: 04/16/08
Lab ID: 202462-009 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	5,000	50
Motor Oil C24-C36	4,600	250

Surrogate	%REC	Limits
Hexacosane	DO	48-128

Field ID: DCB-P4-8.0 Diln Fac: 50.00
Type: SAMPLE Analyzed: 04/17/08
Lab ID: 202462-010 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	4,800	50
Motor Oil C24-C36	4,300	250

Surrogate	%REC	Limits
Hexacosane	DO	48-128

Field ID: DCB-P5-3.0 Diln Fac: 10.00
Type: SAMPLE Analyzed: 04/14/08
Lab ID: 202462-011 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	190 Y	9.9
Motor Oil C24-C36	930	50

Surrogate	%REC	Limits
Hexacosane	DO	48-128

Field ID: DCB-P6-4.5 Diln Fac: 25.00
Type: SAMPLE Analyzed: 04/16/08
Lab ID: 202462-013 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	350 Y	25
Motor Oil C24-C36	1,100	120

Surrogate	%REC	Limits
Hexacosane	DO	48-128

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09466-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	04/07/08
Units:	mg/Kg	Received:	04/07/08
Basis:	as received	Prepared:	04/09/08
Batch#:	136880		

Type:	BLANK	Analyzed:	04/13/08
Lab ID:	QC436695	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	93	48-128

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09466-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC436696	Batch#:	136880
Matrix:	Soil	Prepared:	04/09/08
Units:	mg/Kg	Analyzed:	04/13/08
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.77	46.00	92	54-126

Surrogate	%REC	Limits
Hexacosane	88	48-128

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09466-01	Analysis:	EPA 8015B
Field ID:	LP-8-2FT	Batch#:	136880
MSS Lab ID:	202453-011	Sampled:	04/04/08
Matrix:	Soil	Received:	04/04/08
Units:	mg/Kg	Prepared:	04/09/08
Basis:	as received	Analyzed:	04/15/08
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC436697

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	162.9	49.74	196.6	68	34-144

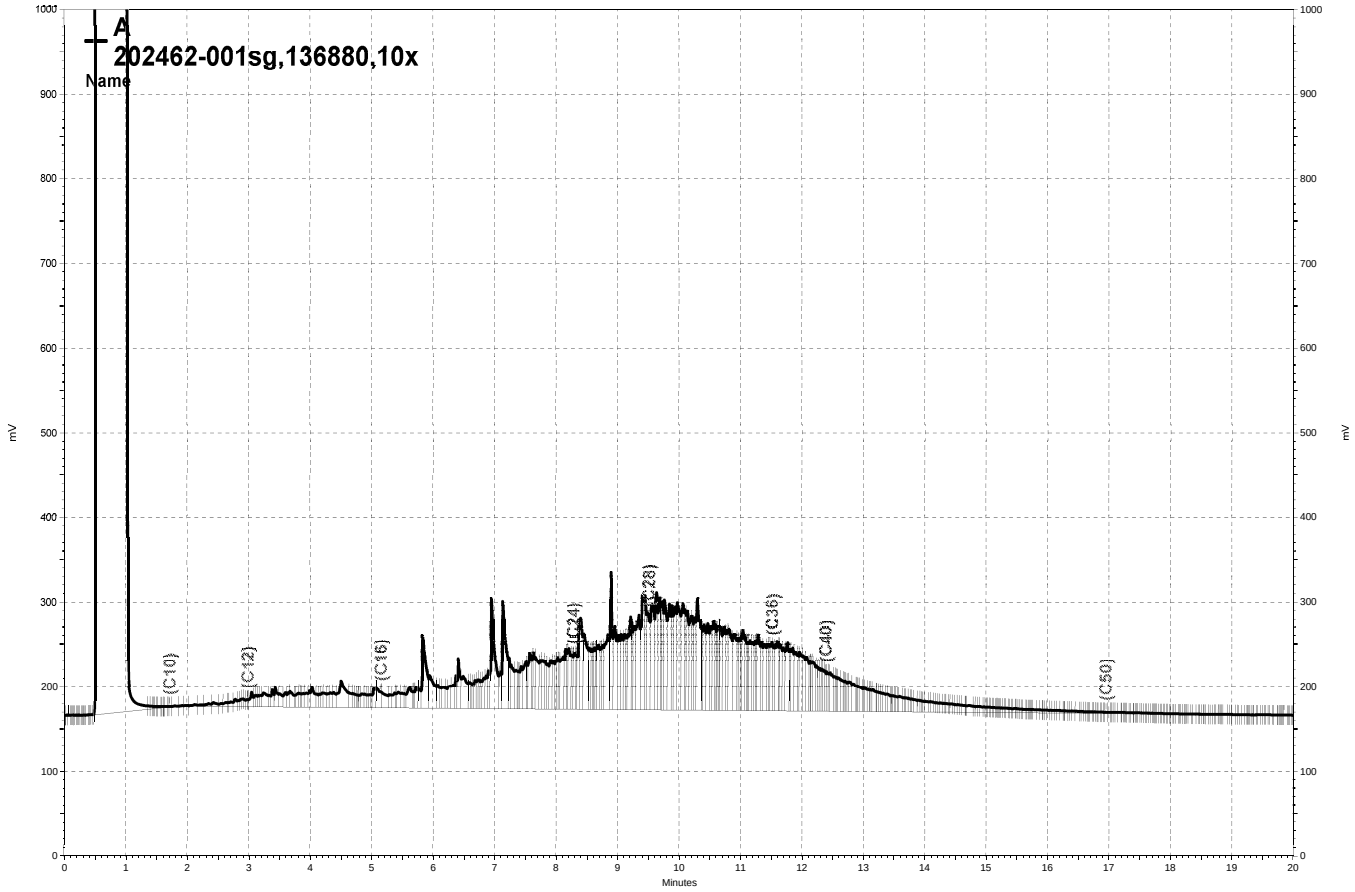
Surrogate	%REC	Limits
Hexacosane	83	48-128

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC436698

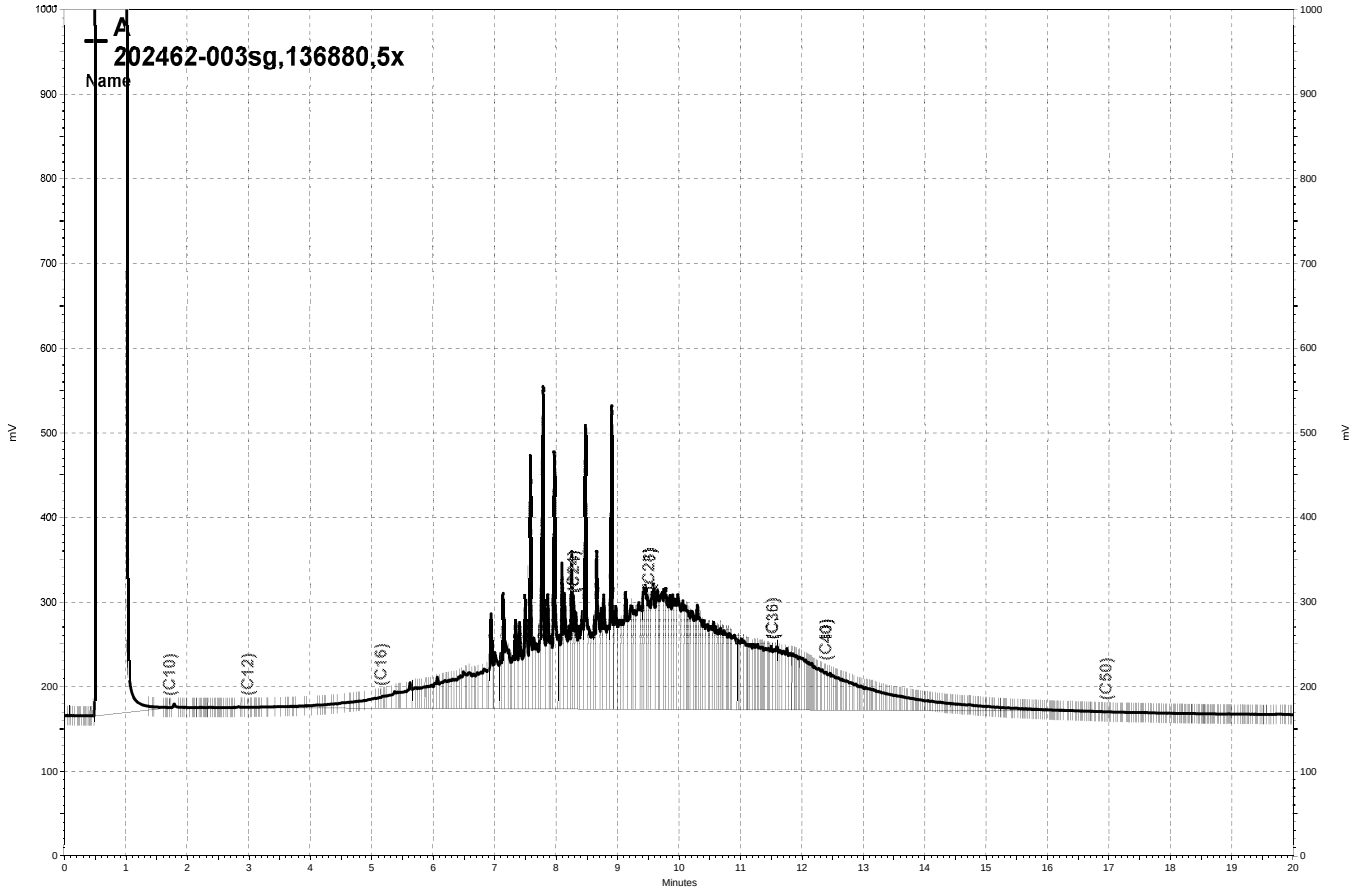
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.71	232.8	141	34-144	17	47

Surrogate	%REC	Limits
Hexacosane	86	48-128

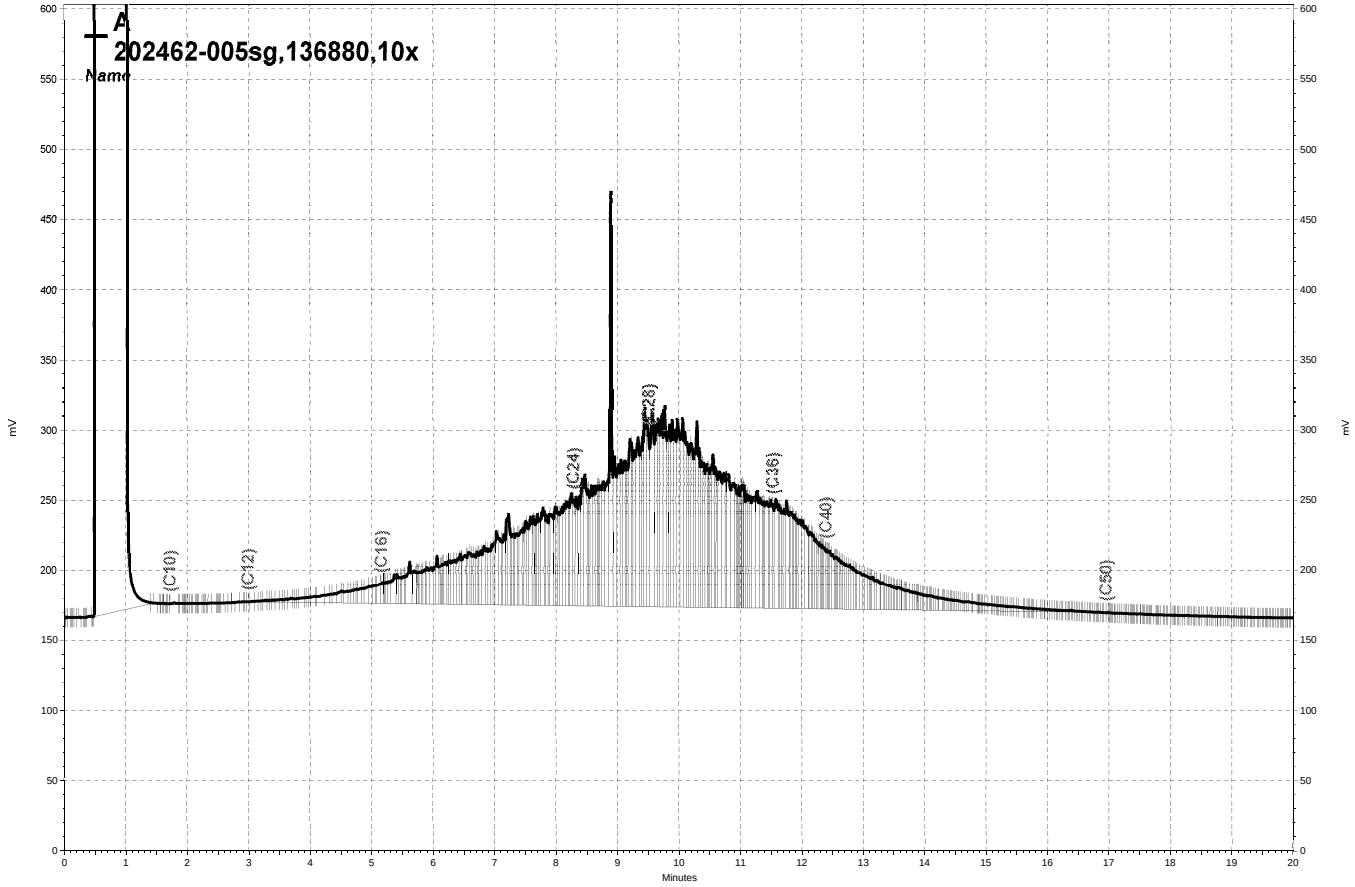
RPD= Relative Percent Difference



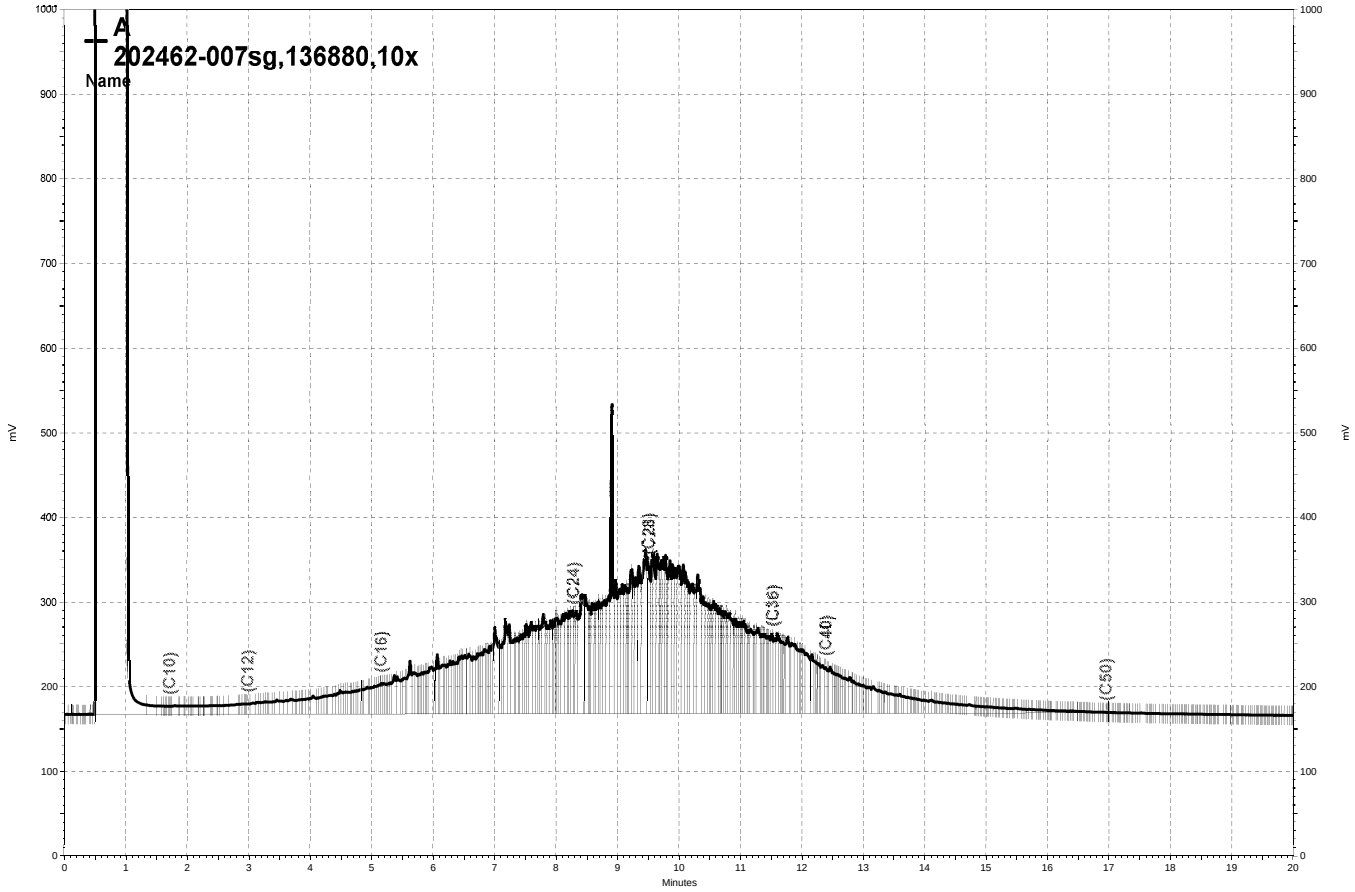
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\106a057, A



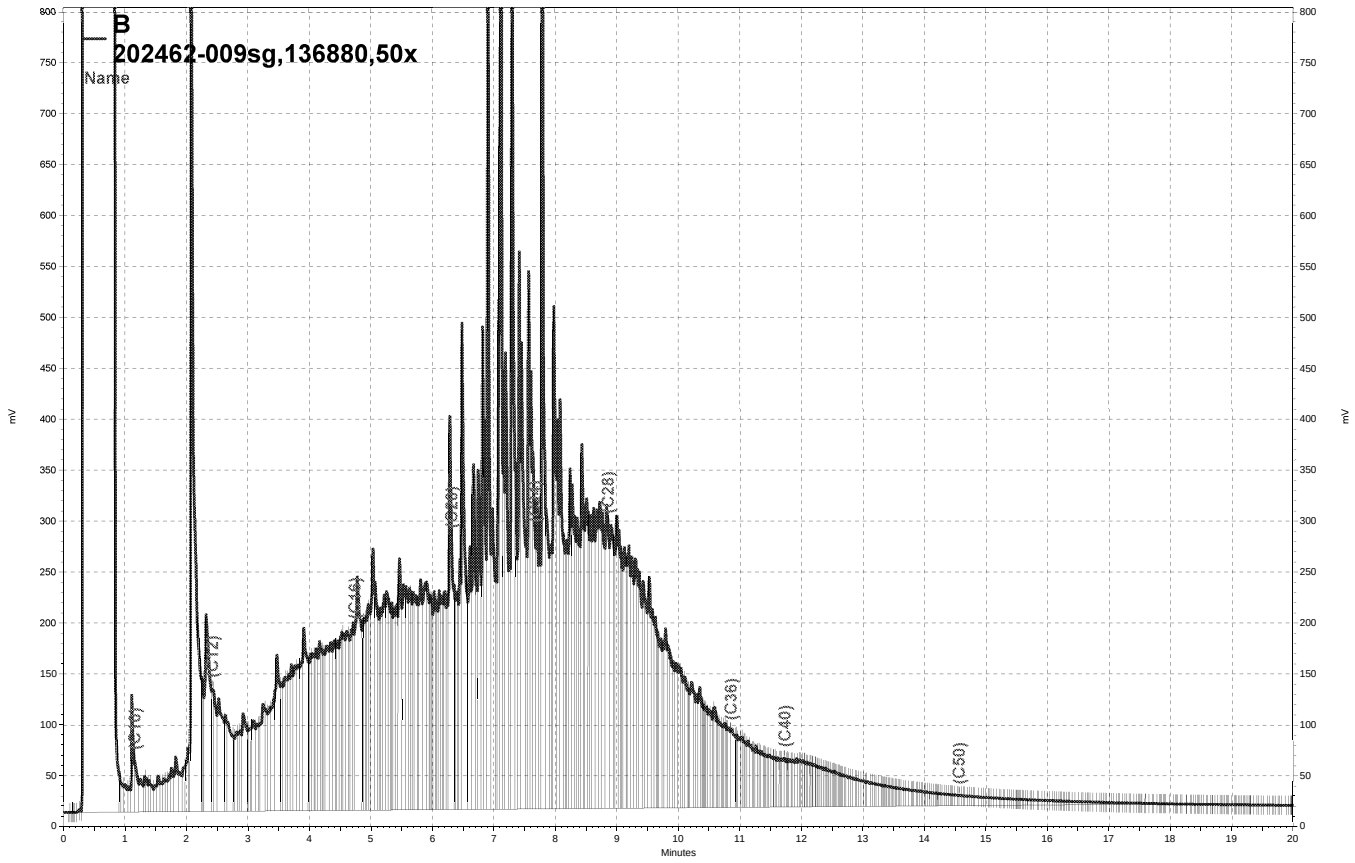
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\106a058, A



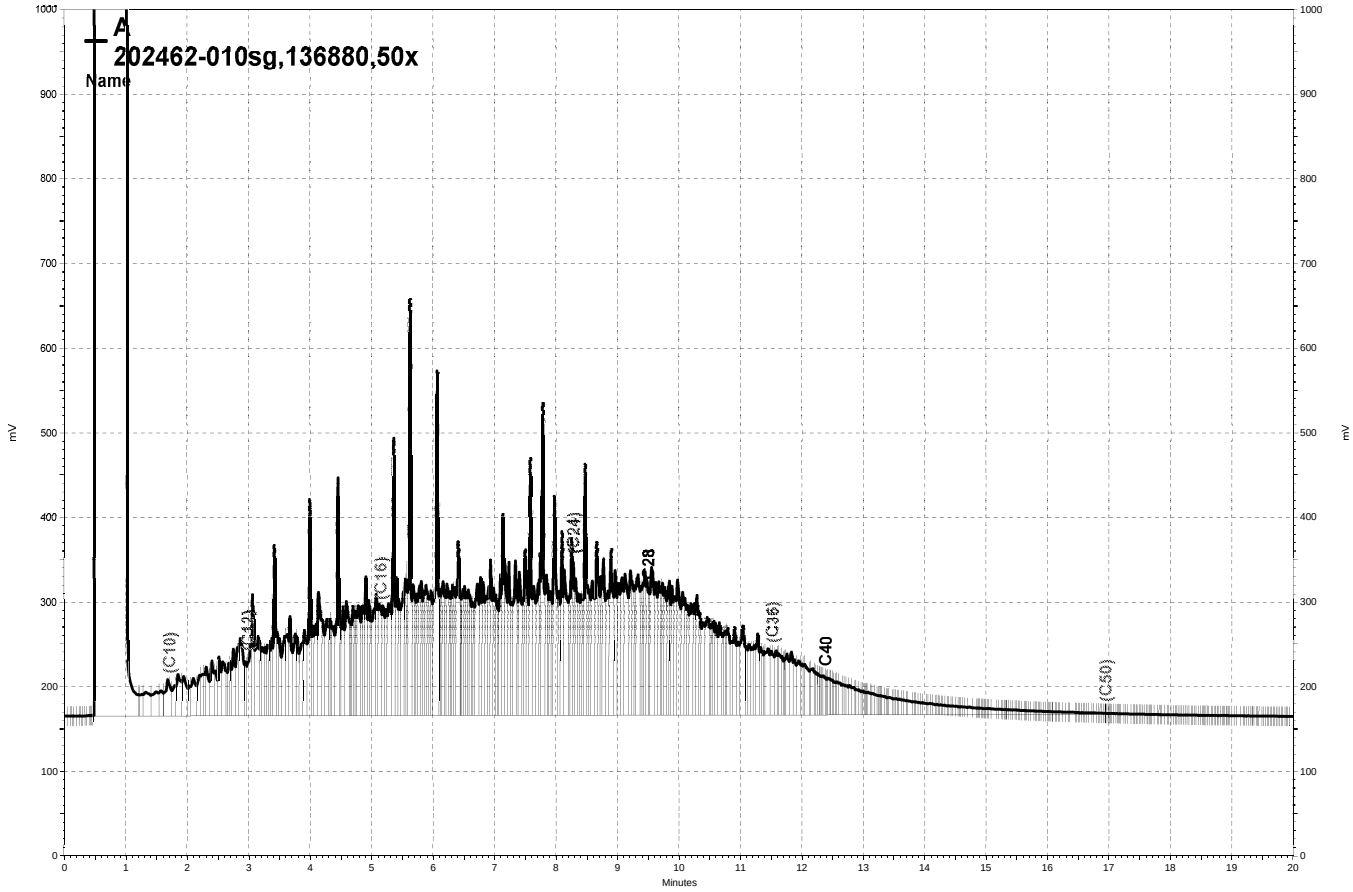
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\106a056, A



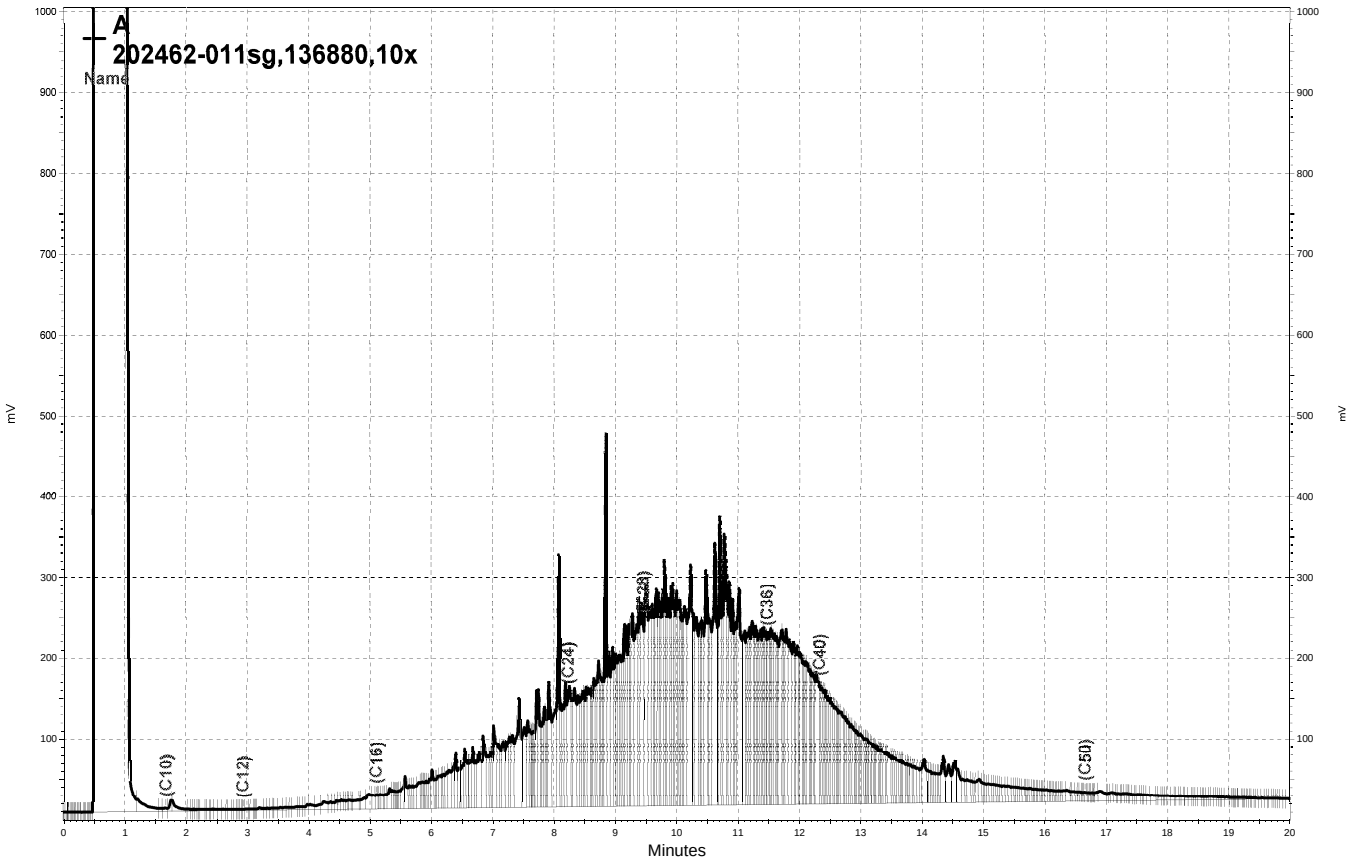
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\106a055, A



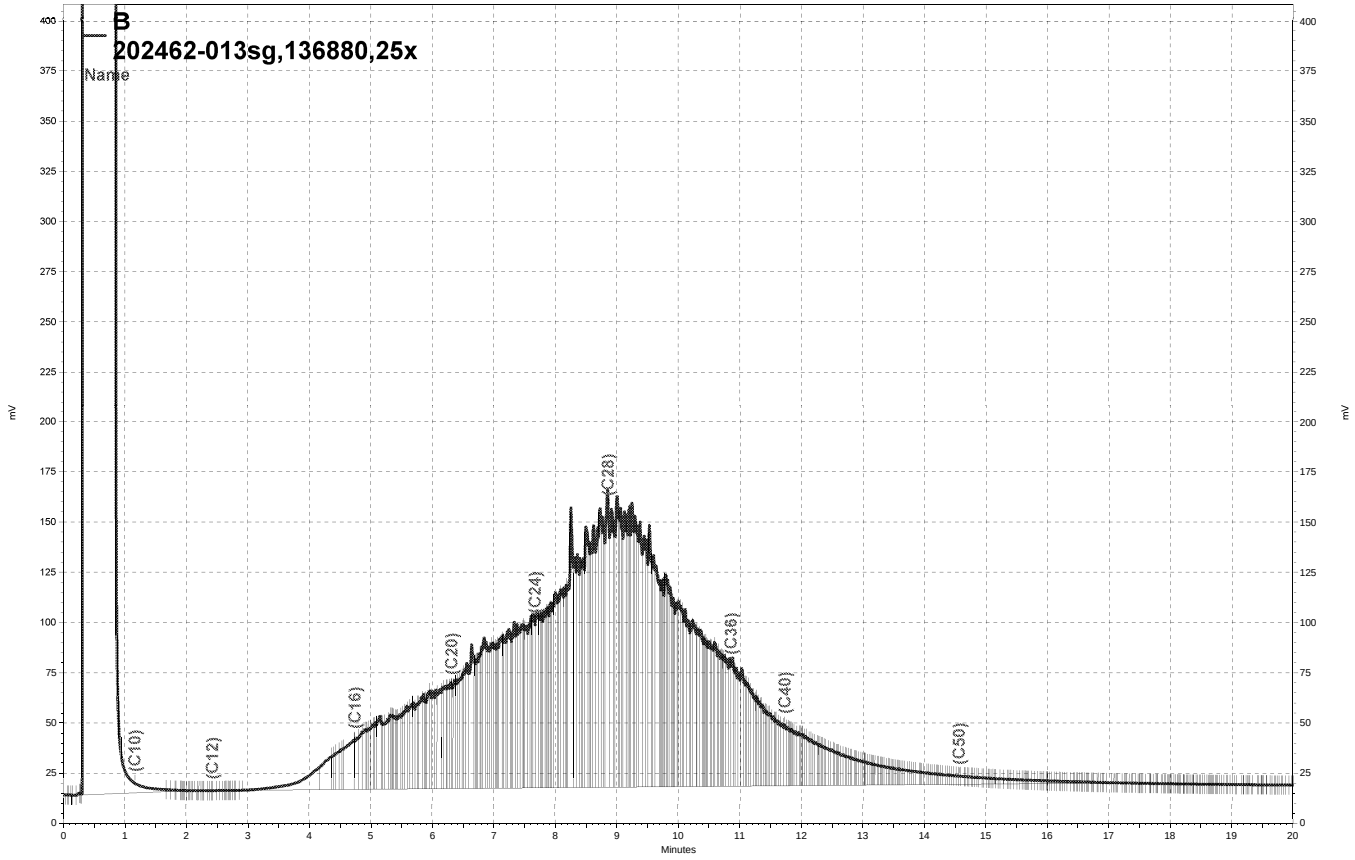
\\Lims\gdrive\ezchrom\Projects\GC14B\Data\106b030, B



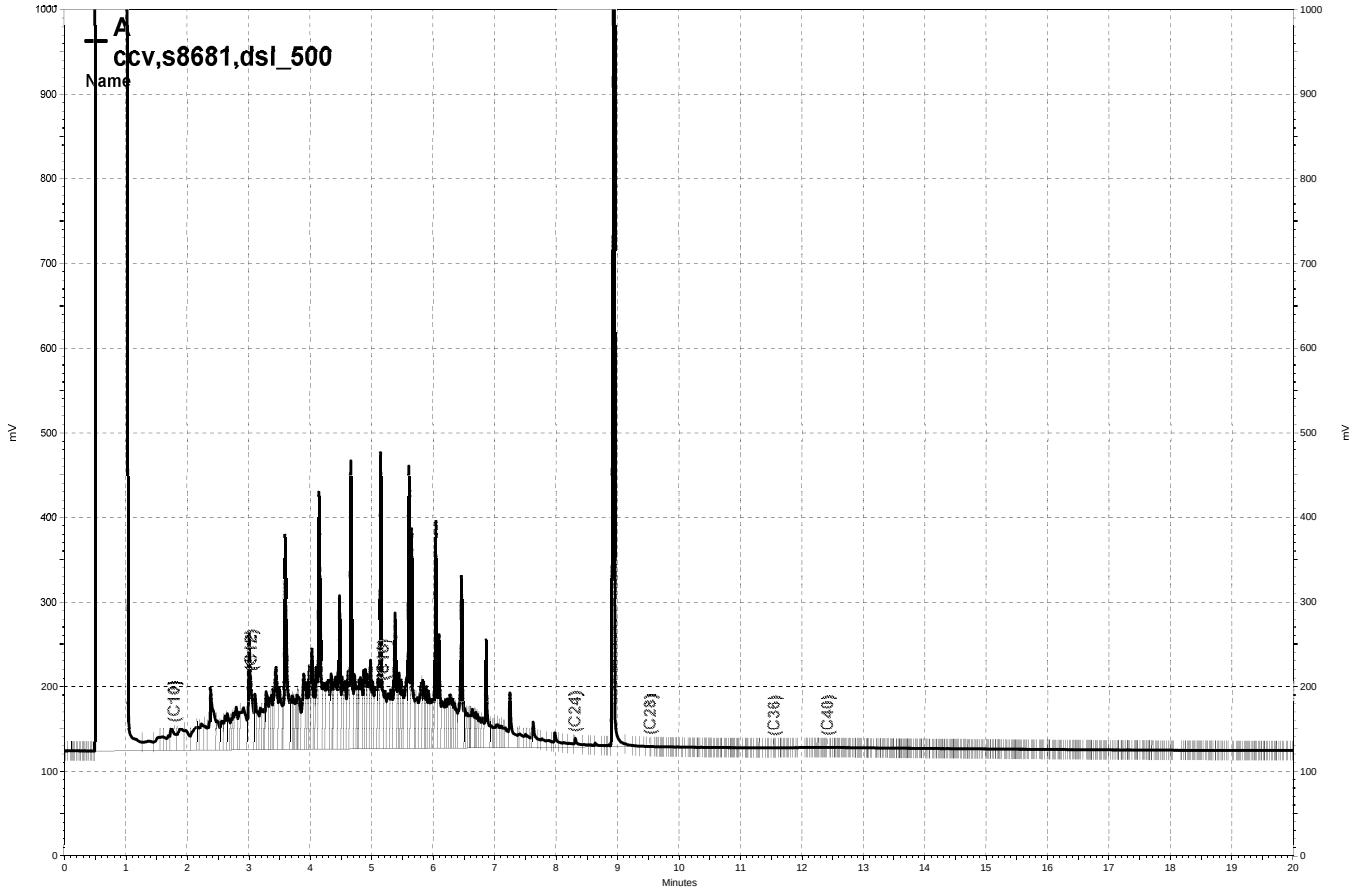
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\106a054, A



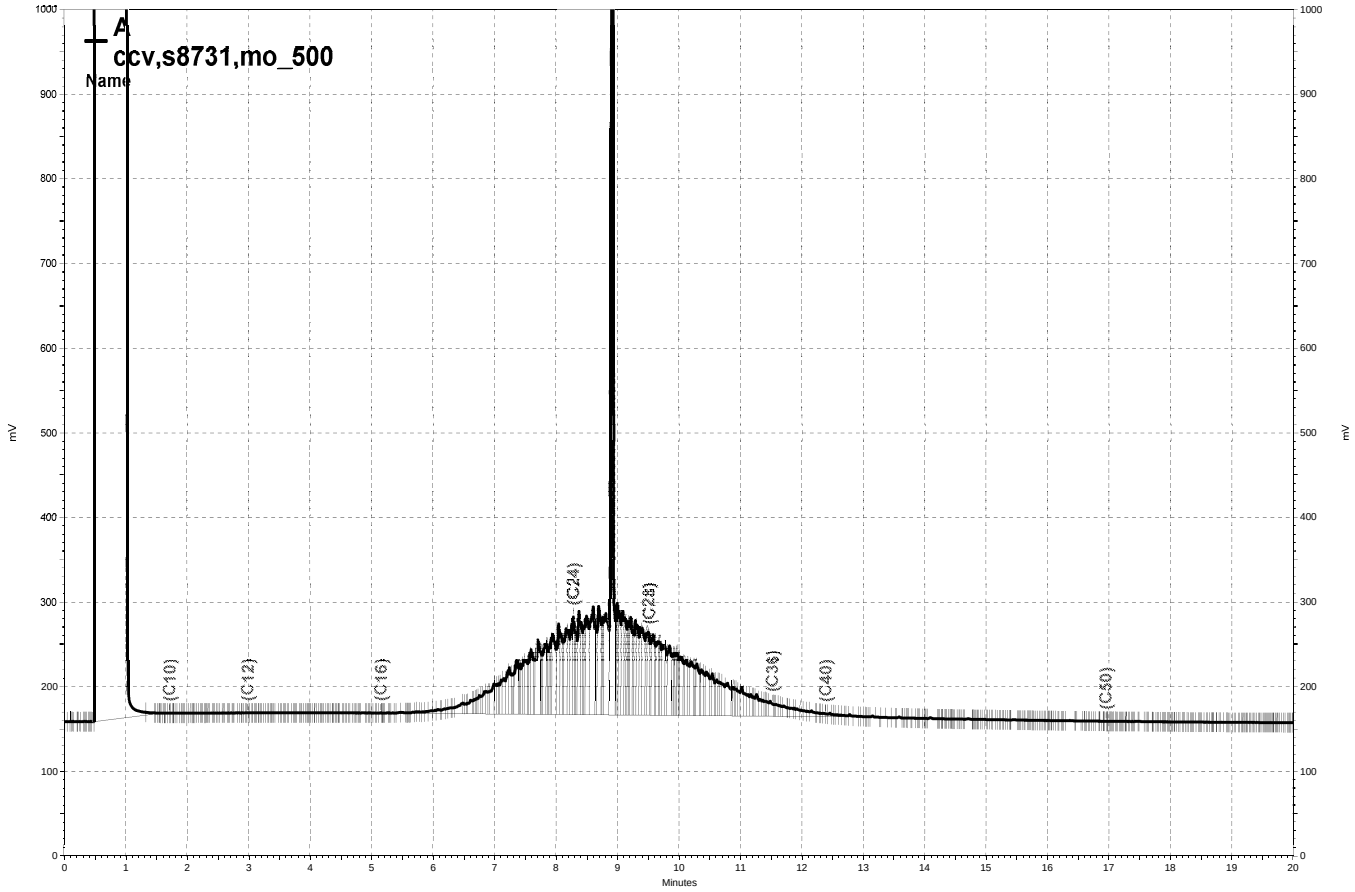
\\Lims\gdrive\ezchrom\Projects\GC17A\Data\102a077, A



\\Lims\gdrive\ezchrom\Projects\GC14B\Data\106b029, B



\\Lims\gdrive\ezchrom\Projects\GC11A\Data\105a004, A



\\Lims\gdrive\ezchrom\Projects\GC11A\Data\106a048, A

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	LP-1-4.0	Batch#:	136844
Lab ID:	202462-001	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	ug/Kg	Prepared:	04/08/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	3,300
Acenaphthylene	ND	3,300
Acenaphthene	ND	3,300
Fluorene	ND	3,300
Phenanthrene	ND	3,300
Anthracene	ND	3,300
Fluoranthene	ND	3,300
Pyrene	ND	3,300
Benzo(a)anthracene	ND	3,300
Chrysene	ND	3,300
Benzo(b)fluoranthene	ND	3,300
Benzo(k)fluoranthene	ND	3,300
Benzo(a)pyrene	ND	3,300
Indeno(1,2,3-cd)pyrene	ND	3,300
Dibenz(a,h)anthracene	ND	3,300
Benzo(g,h,i)perylene	ND	3,300

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	41-120
2-Fluorobiphenyl	DO	46-120
Terphenyl-d14	DO	44-120

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	DCB-P3-4.0	Batch#:	136844
Lab ID:	202462-003	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	ug/Kg	Prepared:	04/08/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	50.00		

Analyte	Result	RL
Naphthalene	ND	17,000
Acenaphthylene	ND	17,000
Acenaphthene	ND	17,000
Fluorene	ND	17,000
Phenanthrene	ND	17,000
Anthracene	ND	17,000
Fluoranthene	ND	17,000
Pyrene	ND	17,000
Benzo(a)anthracene	ND	17,000
Chrysene	ND	17,000
Benzo(b)fluoranthene	ND	17,000
Benzo(k)fluoranthene	ND	17,000
Benzo(a)pyrene	ND	17,000
Indeno(1,2,3-cd)pyrene	ND	17,000
Dibenz(a,h)anthracene	ND	17,000
Benzo(g,h,i)perylene	ND	17,000

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	41-120
2-Fluorobiphenyl	DO	46-120
Terphenyl-d14	DO	44-120

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	DCB-P1-4.0	Batch#:	136844
Lab ID:	202462-005	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	ug/Kg	Prepared:	04/08/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	20.00		

Analyte	Result	RL
Naphthalene	ND	6,600
Acenaphthylene	ND	6,600
Acenaphthene	ND	6,600
Fluorene	ND	6,600
Phenanthrene	ND	6,600
Anthracene	ND	6,600
Fluoranthene	ND	6,600
Pyrene	ND	6,600
Benzo(a)anthracene	ND	6,600
Chrysene	ND	6,600
Benzo(b)fluoranthene	ND	6,600
Benzo(k)fluoranthene	ND	6,600
Benzo(a)pyrene	ND	6,600
Indeno(1,2,3-cd)pyrene	ND	6,600
Dibenz(a,h)anthracene	ND	6,600
Benzo(g,h,i)perylene	ND	6,600

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	41-120
2-Fluorobiphenyl	DO	46-120
Terphenyl-d14	DO	44-120

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	DCB-P2-4.0	Batch#:	136844
Lab ID:	202462-007	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	ug/Kg	Prepared:	04/08/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	20.00		

Analyte	Result	RL
Naphthalene	ND	3,300
Acenaphthylene	ND	3,300
Acenaphthene	ND	3,300
Fluorene	ND	3,300
Phenanthrene	ND	3,300
Anthracene	ND	3,300
Fluoranthene	ND	3,300
Pyrene	ND	3,300
Benzo(a)anthracene	ND	3,300
Chrysene	ND	3,300
Benzo(b)fluoranthene	ND	3,300
Benzo(k)fluoranthene	ND	3,300
Benzo(a)pyrene	ND	3,300
Indeno(1,2,3-cd)pyrene	ND	3,300
Dibenz(a,h)anthracene	ND	3,300
Benzo(g,h,i)perylene	ND	3,300

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	41-120
2-Fluorobiphenyl	DO	46-120
Terphenyl-d14	DO	44-120

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	DCB-P4-3.0	Batch#:	136844
Lab ID:	202462-009	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	ug/Kg	Prepared:	04/08/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	100.0		

Analyte	Result	RL
Naphthalene	ND	33,000
Acenaphthylene	ND	33,000
Acenaphthene	ND	33,000
Fluorene	ND	33,000
Phenanthrene	ND	33,000
Anthracene	ND	33,000
Fluoranthene	ND	33,000
Pyrene	ND	33,000
Benzo(a)anthracene	ND	33,000
Chrysene	ND	33,000
Benzo(b)fluoranthene	ND	33,000
Benzo(k)fluoranthene	ND	33,000
Benzo(a)pyrene	ND	33,000
Indeno(1,2,3-cd)pyrene	ND	33,000
Dibenz(a,h)anthracene	ND	33,000
Benzo(g,h,i)perylene	ND	33,000

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	41-120
2-Fluorobiphenyl	DO	46-120
Terphenyl-d14	DO	44-120

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	DCB-P4-8.0	Batch#:	136844
Lab ID:	202462-010	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	ug/Kg	Prepared:	04/08/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	25.00		

Analyte	Result	RL
Naphthalene	ND	3,300
Acenaphthylene	ND	3,300
Acenaphthene	ND	3,300
Fluorene	ND	3,300
Phenanthrene	ND	3,300
Anthracene	ND	3,300
Fluoranthene	ND	3,300
Pyrene	ND	3,300
Benzo(a)anthracene	ND	3,300
Chrysene	ND	3,300
Benzo(b)fluoranthene	ND	3,300
Benzo(k)fluoranthene	ND	3,300
Benzo(a)pyrene	ND	3,300
Indeno(1,2,3-cd)pyrene	ND	3,300
Dibenz(a,h)anthracene	ND	3,300
Benzo(g,h,i)perylene	ND	3,300

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	41-120
2-Fluorobiphenyl	DO	46-120
Terphenyl-d14	DO	44-120

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	DCB-P5-3.0	Batch#:	136844
Lab ID:	202462-011	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	ug/Kg	Prepared:	04/08/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	25.00		

Analyte	Result	RL
Naphthalene	ND	3,300
Acenaphthylene	ND	3,300
Acenaphthene	ND	3,300
Fluorene	ND	3,300
Phenanthrene	ND	3,300
Anthracene	ND	3,300
Fluoranthene	ND	3,300
Pyrene	ND	3,300
Benzo(a)anthracene	ND	3,300
Chrysene	ND	3,300
Benzo(b)fluoranthene	ND	3,300
Benzo(k)fluoranthene	ND	3,300
Benzo(a)pyrene	ND	3,300
Indeno(1,2,3-cd)pyrene	ND	3,300
Dibenz(a,h)anthracene	ND	3,300
Benzo(g,h,i)perylene	ND	3,300

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	41-120
2-Fluorobiphenyl	DO	46-120
Terphenyl-d14	DO	44-120

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	DCB-P6-4.5	Batch#:	136844
Lab ID:	202462-013	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	ug/Kg	Prepared:	04/08/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	50.00		

Analyte	Result	RL
Naphthalene	ND	6,600
Acenaphthylene	ND	6,600
Acenaphthene	ND	6,600
Fluorene	ND	6,600
Phenanthrene	ND	6,600
Anthracene	ND	6,600
Fluoranthene	ND	6,600
Pyrene	ND	6,600
Benzo(a)anthracene	ND	6,600
Chrysene	ND	6,600
Benzo(b)fluoranthene	ND	6,600
Benzo(k)fluoranthene	ND	6,600
Benzo(a)pyrene	ND	6,600
Indeno(1,2,3-cd)pyrene	ND	6,600
Dibenz(a,h)anthracene	ND	6,600
Benzo(g,h,i)perylene	ND	6,600

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	41-120
2-Fluorobiphenyl	DO	46-120
Terphenyl-d14	DO	44-120

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436550	Batch#:	136844
Matrix:	Soil	Prepared:	04/08/08
Units:	ug/Kg	Analyzed:	04/08/08
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	67
Acenaphthylene	ND	67
Acenaphthene	ND	67
Fluorene	ND	67
Phenanthrene	ND	67
Anthracene	ND	67
Fluoranthene	ND	67
Pyrene	ND	67
Benzo(a)anthracene	ND	67
Chrysene	ND	67
Benzo(b)fluoranthene	ND	67
Benzo(k)fluoranthene	ND	67
Benzo(a)pyrene	ND	67
Indeno(1,2,3-cd)pyrene	ND	67
Dibenz(a,h)anthracene	ND	67
Benzo(g,h,i)perylene	ND	67

Surrogate	%REC	Limits
Nitrobenzene-d5	111	41-120
2-Fluorobiphenyl	111	46-120
Terphenyl-d14	109	44-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC436551	Batch#:	136844
Matrix:	Soil	Prepared:	04/08/08
Units:	ug/Kg	Analyzed:	04/08/08
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Naphthalene	1,332	1,138	85	48-120
Acenaphthylene	1,332	1,074	81	48-120
Acenaphthene	1,332	1,086	82	47-120
Fluorene	1,332	1,140	86	48-120
Phenanthrene	1,332	1,107	83	47-120
Anthracene	1,332	1,162	87	48-120
Fluoranthene	1,332	1,174	88	48-120
Pyrene	1,332	1,062	80	44-120
Benzo(a)anthracene	1,332	1,195	90	46-120
Chrysene	1,332	1,161	87	46-120
Benzo(b)fluoranthene	1,332	1,043	78	41-120
Benzo(k)fluoranthene	1,332	1,077	81	42-120
Benzo(a)pyrene	1,332	1,115	84	45-120
Indeno(1,2,3-cd)pyrene	1,332	1,173	88	39-120
Dibenz(a,h)anthracene	1,332	1,155	87	46-120
Benzo(g,h,i)perylene	1,332	1,126	85	41-124

Surrogate	%REC	Limits
Nitrobenzene-d5	101	41-120
2-Fluorobiphenyl	88	46-120
Terphenyl-d14	94	44-120

Curtis & Tompkins, Ltd.

Batch QC Report

Polynuclear Aromatics by GC/MS

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09466-01	Analysis:	EPA 8270C
Field ID:	ZZZZZZZZZZ	Dil'n Fac:	3.000
MSS Lab ID:	202437-001	Batch#:	136844
Matrix:	Soil	Sampled:	04/04/08
Units:	ug/Kg	Received:	04/04/08
Basis:	as received	Prepared:	04/08/08

Type: MS Analyzed: 04/08/08
Lab ID: QC436552

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	<53.88	1,328	1,496	113	50-120
Acenaphthylene	<54.88	1,328	1,405	106	50-120
Acenaphthene	<49.03	1,328	1,403	106	50-120
Fluorene	<57.83	1,328	1,454	110	50-120
Phenanthrene	112.3	1,328	1,521	106	49-120
Anthracene	<56.47	1,328	1,503	113	51-120
Fluoranthene	<59.79	1,328	1,541	116	44-120
Pyrene	<62.78	1,328	1,386	104	45-120
Benzo(a)anthracene	<52.16	1,328	1,444	109	49-120
Chrysene	<69.91	1,328	1,438	108	47-120
Benzo(b)fluoranthene	<60.99	1,328	1,280	96	43-120
Benzo(k)fluoranthene	<64.84	1,328	1,444	109	42-120
Benzo(a)pyrene	<57.55	1,328	1,283	97	46-120
Indeno(1,2,3-cd)pyrene	<63.21	1,328	820.3	62	23-120
Dibenz(a,h)anthracene	<60.27	1,328	872.1	66	28-120
Benzo(g,h,i)perylene	<64.74	1,328	724.4	55	21-120

Surrogate	%REC	Limits
Nitrobenzene-d5	120	41-120
2-Fluorobiphenyl	116	46-120
Terphenyl-d14	117	44-120

Type: MSD Analyzed: 04/09/08
Lab ID: QC436553

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	1,327	1,397	105	50-120	7	30
Acenaphthylene	1,327	1,325	100	50-120	6	27
Acenaphthene	1,327	1,336	101	50-120	5	28
Fluorene	1,327	1,377	104	50-120	5	28
Phenanthrene	1,327	1,425	99	49-120	6	30
Anthracene	1,327	1,412	106	51-120	6	29
Fluoranthene	1,327	1,443	109	44-120	7	31
Pyrene	1,327	1,335	101	45-120	4	32
Benzo(a)anthracene	1,327	1,370	103	49-120	5	30
Chrysene	1,327	1,355	102	47-120	6	31
Benzo(b)fluoranthene	1,327	1,245	94	43-120	3	32
Benzo(k)fluoranthene	1,327	1,377	104	42-120	5	33
Benzo(a)pyrene	1,327	1,215	92	46-120	5	30
Indeno(1,2,3-cd)pyrene	1,327	745.2	56	23-120	10	35
Dibenz(a,h)anthracene	1,327	769.9	58	28-120	12	34
Benzo(g,h,i)perylene	1,327	636.1	48	21-120	13	36

Surrogate	%REC	Limits
Nitrobenzene-d5	112	41-120
2-Fluorobiphenyl	110	46-120
Terphenyl-d14	113	44-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202462	Project#:	001-09466-01
Client:	LFR Levine Fricke	Location:	Learner
Field ID:	LP-1-4.0	Basis:	as received
Lab ID:	202462-001	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Arsenic	4.9	0.29	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Barium	320	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Beryllium	0.27	0.10	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cadmium	1.9	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Chromium	36	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cobalt	8.5	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Copper	48	0.29	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Lead	130	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Mercury	0.46	0.020	1.000	136937	04/10/08	04/10/08	METHOD	EPA 7471A
Molybdenum	0.53	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Nickel	43	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Vanadium	32	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Zinc	750	9.9	10.00	136835	04/07/08	04/09/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202462	Project#:	001-09466-01
Client:	LFR Levine Fricke	Location:	Learner
Field ID:	DCB-P3-4.0	Basis:	as received
Lab ID:	202462-003	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Arsenic	5.4	0.27	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Barium	530	2.3	10.00	136835	04/07/08	04/09/08	EPA 3050B	EPA 6010B
Beryllium	0.23	0.10	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cadmium	2.9	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Chromium	44	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cobalt	8.9	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Copper	76	0.27	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Lead	190	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Mercury	0.47	0.020	1.000	136937	04/10/08	04/10/08	METHOD	EPA 7471A
Molybdenum	2.0	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Nickel	48	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Vanadium	32	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Zinc	590	9.3	10.00	136835	04/07/08	04/09/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202462	Project#:	001-09466-01
Client:	LFR Levine Fricke	Location:	Learner
Field ID:	DCB-P1-4.0	Basis:	as received
Lab ID:	202462-005	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/07/08
Units:	mg/Kg	Received:	04/07/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Arsenic	5.7	0.26	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Barium	280	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Beryllium	0.22	0.10	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cadmium	1.3	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Chromium	90	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cobalt	7.7	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Copper	41	0.26	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Lead	120	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Mercury	0.24	0.020	136937	04/10/08	04/10/08	METHOD	EPA 7471A
Molybdenum	12	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Nickel	40	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Vanadium	30	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Zinc	210	1.0	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202462	Project#:	001-09466-01
Client:	LFR Levine Fricke	Location:	Learner
Field ID:	DCB-P2-4.0	Basis:	as received
Lab ID:	202462-007	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/07/08
Units:	mg/Kg	Received:	04/07/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	2.8	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Arsenic	8.7	0.27	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Barium	390	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Beryllium	0.29	0.10	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cadmium	1.4	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Chromium	88	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cobalt	9.1	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Copper	52	0.27	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Lead	130	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Mercury	0.38	0.021	136937	04/10/08	04/10/08	METHOD	EPA 7471A
Molybdenum	13	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Nickel	40	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Vanadium	31	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Zinc	220	1.0	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202462	Project#:	001-09466-01
Client:	LFR Levine Fricke	Location:	Learner
Field ID:	DCB-P4-3.0	Basis:	as received
Lab ID:	202462-009	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Arsenic	4.5	0.28	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Barium	690	2.4	10.00	136835	04/07/08	04/09/08	EPA 3050B	EPA 6010B
Beryllium	0.30	0.10	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cadmium	0.83	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Chromium	40	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cobalt	14	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Copper	26	0.28	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Lead	120	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Mercury	0.073	0.020	1.000	136937	04/10/08	04/10/08	METHOD	EPA 7471A
Molybdenum	2.8	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Nickel	68	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Vanadium	31	0.25	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Zinc	150	1.0	1.000	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202462	Project#:	001-09466-01
Client:	LFR Levine Fricke	Location:	Learner
Field ID:	DCB-P4-8.0	Basis:	as received
Lab ID:	202462-010	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/07/08
Units:	mg/Kg	Received:	04/07/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Arsenic	3.1	0.28	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Barium	140	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Beryllium	0.24	0.10	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Chromium	25	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cobalt	8.0	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Copper	7.2	0.28	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Lead	4.2	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Mercury	0.23	0.020	136937	04/10/08	04/10/08	METHOD	EPA 7471A
Molybdenum	ND	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Nickel	20	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Vanadium	21	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Zinc	13	1.0	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202462	Project#:	001-09466-01
Client:	LFR Levine Fricke	Location:	Learner
Field ID:	DCB-P5-3.0	Basis:	as received
Lab ID:	202462-011	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/07/08
Units:	mg/Kg	Received:	04/07/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Arsenic	5.1	0.27	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Barium	290	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Beryllium	0.22	0.10	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cadmium	2.1	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Chromium	36	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cobalt	8.7	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Copper	49	0.27	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Lead	120	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Mercury	0.31	0.020	136937	04/10/08	04/10/08	METHOD	EPA 7471A
Molybdenum	16	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Nickel	30	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Vanadium	32	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Zinc	290	1.0	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	202462	Project#:	001-09466-01
Client:	LFR Levine Fricke	Location:	Learner
Field ID:	DCB-P6-4.5	Basis:	as received
Lab ID:	202462-013	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/07/08
Units:	mg/Kg	Received:	04/07/08

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Arsenic	5.8	0.27	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Barium	430	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Beryllium	0.26	0.10	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cadmium	1.7	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Chromium	28	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Cobalt	8.6	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Copper	61	0.27	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Lead	140	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Mercury	0.32	0.020	136937	04/10/08	04/10/08	METHOD	EPA 7471A
Molybdenum	1.2	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Nickel	35	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Vanadium	32	0.25	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B
Zinc	350	1.0	136835	04/07/08	04/08/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09466-01	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436517	Batch#:	136835
Matrix:	Soil	Prepared:	04/07/08
Units:	mg/Kg	Analyzed:	04/08/08
Basis:	as received		

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.29
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.29
Lead	ND	0.25
Molybdenum	ND	0.25
Nickel	ND	0.25
Selenium	ND	0.50
Silver	ND	0.25
Thallium	ND	0.50
Vanadium	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09466-01	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	136835
Units:	mg/Kg	Prepared:	04/07/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	1.000		

Type: BS Lab ID: QC436518

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	87.11	87	80-120
Arsenic	50.00	45.58	91	80-120
Barium	100.0	91.89	92	80-120
Beryllium	2.500	2.297	92	80-120
Cadmium	10.00	9.206	92	80-120
Chromium	100.0	90.94	91	80-120
Cobalt	25.00	21.83	87	80-120
Copper	12.50	11.15	89	80-120
Lead	100.0	88.38	88	80-120
Molybdenum	20.00	18.71	94	80-120
Nickel	25.00	21.98	88	80-120
Selenium	50.00	44.34	89	80-120
Silver	10.00	8.282	83	80-120
Thallium	50.00	44.25	88	80-120
Vanadium	25.00	22.58	90	80-120
Zinc	25.00	22.88	92	80-120

Type: BSD Lab ID: QC436519

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	87.53	88	80-120	0	20
Arsenic	50.00	44.50	89	80-120	2	20
Barium	100.0	91.86	92	80-120	0	20
Beryllium	2.500	2.297	92	80-120	0	20
Cadmium	10.00	9.193	92	80-120	0	20
Chromium	100.0	90.90	91	80-120	0	20
Cobalt	25.00	21.74	87	80-120	0	20
Copper	12.50	11.18	89	80-120	0	20
Lead	100.0	87.46	87	80-120	1	20
Molybdenum	20.00	18.64	93	80-120	0	20
Nickel	25.00	21.86	87	80-120	1	20
Selenium	50.00	43.86	88	80-120	1	20
Silver	10.00	8.255	83	80-120	0	20
Thallium	50.00	44.00	88	80-120	1	20
Vanadium	25.00	22.53	90	80-120	0	20
Zinc	25.00	22.84	91	80-120	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09466-01	Analysis:	EPA 6010B
Field ID:	LP-1-4.0	Batch#:	136835
MSS Lab ID:	202462-001	Sampled:	04/07/08
Matrix:	Soil	Received:	04/07/08
Units:	mg/Kg	Prepared:	04/07/08
Basis:	as received	Analyzed:	04/08/08
Diln Fac:	1.000		

Type: MS Lab ID: QC436520

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.2711	94.34	45.87	48	3-120
Arsenic	4.940	47.17	44.03	83	71-120
Barium	324.1	94.34	365.8	44 *	50-135
Beryllium	0.2680	2.358	2.304	86	79-120
Cadmium	1.944	9.434	9.053	75	71-120
Chromium	36.39	94.34	115.6	84	65-120
Cobalt	8.508	23.58	26.76	77	60-120
Copper	48.09	11.79	48.69	5 NM	42-152
Lead	133.6	94.34	172.8	42 *	53-124
Molybdenum	0.5306	18.87	15.85	81	66-120
Nickel	42.56	23.58	57.73	64	44-139
Selenium	<0.04667	47.17	37.17	79	69-120
Silver	0.06069	9.434	7.521	79	70-120
Thallium	0.08533	47.17	36.25	77	61-120
Vanadium	31.66	23.58	48.69	72	51-137
Zinc	752.3	23.58	967.9 >LR	914 NM	36-150

Type: MSD Lab ID: QC436521

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	99.01	45.34	46	3-120	6	33
Arsenic	49.50	47.62	86	71-120	3	20
Barium	99.01	373.7	50	50-135	1	24
Beryllium	2.475	2.381	85	79-120	1	20
Cadmium	9.901	9.338	75	71-120	1	20
Chromium	99.01	166.1	131 *	65-120	32 *	20
Cobalt	24.75	27.46	77	60-120	1	23
Copper	12.38	55.79	62	42-152	13	23
Lead	99.01	203.5	71	53-124	14	28
Molybdenum	19.80	23.65	117	66-120	35 *	20
Nickel	24.75	93.49	206 *	44-139	46 *	26
Selenium	49.50	38.60	78	69-120	1	20
Silver	9.901	8.010	80	70-120	1	20
Thallium	49.50	37.11	75	61-120	2	20
Vanadium	24.75	50.94	78	51-137	2	20
Zinc	24.75	597.9 >LR	-624 NM	36-150	NC	30

*= Value outside of QC limits; see narrative
NC= Not Calculated
NM= Not Meaningful: Sample concentration > 4X spike concentration
>LR= Response exceeds instrument's linear range
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09466-01	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC436937	Batch#:	136937
Matrix:	Soil	Prepared:	04/10/08
Units:	mg/Kg	Analyzed:	04/10/08

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09466-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	136937
Units:	mg/Kg	Prepared:	04/10/08
Basis:	as received	Analyzed:	04/10/08

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC436938	0.5000	0.4830	97	80-120		
BSD	QC436939	0.5000	0.4860	97	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	202462	Location:	Learner
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09466-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	136937
MSS Lab ID:	202496-009	Sampled:	04/08/08
Matrix:	Soil	Received:	04/08/08
Units:	mg/Kg	Prepared:	04/10/08
Basis:	as received	Analyzed:	04/10/08

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC436941	0.1444	0.4902	0.6520	104	68-140		
MSD	QC436942		0.4808	0.6135	98	68-140	5	24

RPD= Relative Percent Difference

202462

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

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

PROJECT NO.: 001-094660 | SECTION NO.: | DATE: 4/7/08 | SAMPLER'S INITIALS: MCS

PROJECT NAME: | SAMPLER (Signature): Michael Sullivan

SERIAL NO.: Nº 200042

SAMPLE / ANALYSES

	Sample ID.	Date	Time	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8021/602)	VOCs (EPA 8260/624)*	Metals (EPA 6010/7000)**	PNA 8270					TAT: Standard	TAT: RUSH	TAT: HOLD	REMARKS
1	LP-1-4.0	4/7/08	910			X		X	X			X	X					X			CAM-17 Metals
2	LP-1-8.0		915			X		X	X			X	X	HOLD				X		X	Filter and fix in lab
3	DCB-P3-4.0		940			X		X	X			X	X					X			Results to Ron Goldman
4	DCB-P3-6.0		943			X		X	X			X	X	HOLD				X		X	
5	DCB-A1-4.0		1000			X		X	X			X	X					X			Silica gel cleanup on soil TPHs
6	DCB-P1-6.0		1005			X		X	X			X	X	HOLD				X		X	
7	DCB-P2-4.0		1015			X		X	X			X	X					X			
8	DCB-P2-8.0		1020			X		X	X			X	X	HOLD						X	
9	DCB-P4-3.0		1035			X		X	X			X	X					X			
10	DCB-P4-8.0		1040			X		X	X			X	X	~~HOLD~~	RUN			X		~~X~~	
11	DCB-P5-3.0		1100			X		X	X			X	X					X			
12	DCB-P5-8.0		1110			X		X	X			X	X	HOLD						X	
13	DCB-P6-4.5		1120			X		X	X			X	X					X			
14	DCB-P6-7.5		1125			X		X	X			X	X	HOLD						X	
15	DCB-P5-6.5		1105			X		X	X			X	X	HOLD						X	
16	DCB-P3-8.0		945																	X	

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

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

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

ANALYTICAL LABORATORY: C&T

FAX RESULTS TO: | SEND HARDCOPY TO: | SEND EDD TO: EMV.LABEDDS.COM

	1 RELINQUISHED BY:	2 RELINQUISHED BY:	3 RELINQUISHED BY:
(SIGNATURE) (DATE)	Michael Sullivan 4/7/08		
(PRINTED NAME) (TIME)	Michael Sullivan 1321		
(COMPANY)	LFR		

	1 RECEIVED BY:	2 RECEIVED BY:	3 RECEIVED BY (LABORATORY):
(SIGNATURE) (DATE)	4/7/08		
(PRINTED NAME) (TIME)	13:21		
(COMPANY)	C&T		

Lab/Shipping Copy (White) File Copy (Yellow) Field Copy (Pink) FORM NO: 2001/COC/SXS

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 202462 Date Received 4-7-08 Number of coolers 1
Client LFR Project Learner

Date Opened 4-7-08 By (print) F Nichols (sign) [signature]
Date Logged in 4-7-08 By (print) F Nichols (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc)?..... YES (NO)
Shipping info_____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
How many _____ Name_____ Date_____
2B. Were custody seals intact upon arrival? ..... YES NO (N/A)
3. Were custody papers dry and intact when received?..... (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)?..... (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form)..... (YES) NO
6. Indicate the packing in cooler: (if other, describe)_____

☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☒ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. If required, was sufficient ice used? Samples should be < or = 6°C ..... (YES) NO N/A
Type of ice used: ☒ WET ☐ BLUE ☐ NONE Temp(°C) No temp blank, Cold
☐ SAMPLES RECEIVED ON ICE DIRECTLY FROM FIELD. COOLING PROCESS HAD BEGUN.

8. Were soil Encore sampling devices present? ..... YES (NO)
If YES, what time were they transferred to freezer?_____
9. Did all bottles arrive unbroken/unopened?..... (YES) NO
10. Are samples in the appropriate containers for indicated tests? ..... (YES) NO
11. Are sample labels present, in good condition and complete? ..... (YES) NO
12. Do the sample labels agree with custody papers? ..... (YES) NO
13. Was sufficient amount of sample sent for tests requested? ..... (YES) NO
14. Are the samples appropriately preserved? ..... YES NO (N/A)
15. Are bubbles absent in VOA samples?..... YES NO (N/A)
16. Was the client contacted concerning this sample delivery?..... YES NO
If YES, Who was called?_____ By_____ Date:_____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____
_____