Site Investigation Report for the Eastern Portion of AOC #2 and AOCs #3 through #9

ACEH Case #RO0002952 and
Geotracker Global ID #SL0600101555
Hanson Aggregates Radum Facility
3000 Busch Road
Pleasanton, Alameda County, California

October 26, 2007
001-09567-02

Prepared for
Hanson Aggregates Northern California
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October 26, 2007

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

Subject: **Site Investigation Report for the Eastern Portion of AOC #2 and AOCs #3 through #9, ACEH Case #RO0002952 and Geotracker Global ID #SL0600101555, Hanson Aggregates Radum Facility, 3000 Busch Road Pleasanton, Alameda County, California**

Dear Mr. Wickham:

The enclosed "Site Investigation Report for the Eastern Portion of AOC #2 and AOCs #3 through #9, ACEH Case #RO0002952 and Geotracker Global ID#SL0600101555, Hanson Aggregates Radum Facility, 3000 Busch Road Pleasanton, Alameda County, California" ("the SI Report") was prepared by LFR Inc. (LFR) on behalf of Hanson Aggregates Northern California ("Hanson") for the Hanson Aggregates Radum Facility, 3000 Busch Road, Pleasanton, California ("the Site"). This report presents the findings of additional subsurface investigations conducted during July 2007 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 May 16, 2007, and was approved by ACEH on June 22, 2007.

The investigations completed during July 2007 included advancing temporary soil borings to collect depth-discrete soil samples and grab groundwater samples in AOCs #2, #3, #7, and #8, and shallow sediment samples and a composite surface-water sample from the storm-water retention pond in AOC #6. In addition, four existing groundwater monitoring wells were located, purged, and sampled. This report includes an overview of environmental conditions, a summary of previous investigations conducted by LFR and other consultants, and a description of the field investigations completed during July 2007, and presents and discusses the results of the investigations.

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 SI Report, please call me at (925) 426-4170 or Katrin Schliewen of LFR at (510) 652-4500.

Sincerely,

Lee W. Cover
Environmental Manager
Hanson Aggregates Northern California

Attachment

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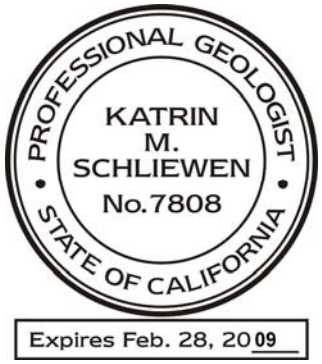
CERTIFICATIONS

LFR Inc. has prepared this Site Investigation Report on behalf of Hanson Aggregates Northern California in a manner consistent with the level of care and skill ordinarily exercised by professional geologists and environmental scientists. This report was prepared under the technical direction of the undersigned California Professional Geologist.



October 26, 2007

Katrin M. Schliewen, P.G. Date
Senior Hydrogeologist
California Professional Geologist No. 7808

October 26, 2007

Ron Goloubow Date
Senior Associate Geologist

EXECUTIVE SUMMARY

This Site Investigation Report presents the findings of the additional investigations conducted at the Hanson Aggregates Radum Facility ("the Site") during July 2007. The purpose of the investigations was to further characterize the extent of affected soil and groundwater in areas of concern (AOCs) #2, #4, #6, #7, and #8. The environmental investigations were conducted according to the scope of work described in the May 16, 2007 "Work Plan for Additional Site Characterization at the Hanson Aggregates Radum Facility, 3000 Busch Road, Pleasanton, California," which was submitted to Alameda County Environmental Health (ACEH) and subsequently approved by ACEH on June 22, 2007, with certain modifications. Additional investigations are currently being conducted at AOC #1 (the former hot mix asphalt plant; ACEH Case Number RO0002941) under a separate scope of work, and the results of that investigation will be submitted to ACEH under separate cover on November 30, 2007.

The July 2007 investigations consisted of advancing a total of 16 temporary soil borings to depths ranging from approximately from 10 to 70 feet below ground surface. The purposes of the soil borings were to collect soil samples for lithologic logging and to collect depth-discrete soil samples and grab groundwater samples for laboratory analyses. Shallow sediment and surface-water samples were collected from the storm water retention pond for laboratory analyses. In addition, samples were collected from four existing groundwater monitoring wells for laboratory analyses. All analytical results were compared to the Environmental Screening Levels (ESLs) for soil or water beneath commercial/industrial land use areas published by the Regional Water Quality Control Board. The investigation and analytical results are presented and discussed in this report.

The analytical results of the soil and groundwater samples collected during the recent investigations have substantiated that the primary compounds of concern in soil and groundwater at the Site are total petroleum hydrocarbons (TPH) as diesel (TPHd) and TPH as motor oil (TPHmo). With a few exceptions, no other organic compounds were detected in soil and water samples collected, including TPH as gasoline (TPHg); volatile organic compounds (VOCs); benzene, toluene, ethylbenzene, and total xylenes (BTEX); fuel oxygenates; lead scavengers; semivolatile organic compounds (SVOCs); pesticides; and polychlorinated biphenyls (PCBs).

VOCs were detected in one grab groundwater sample at concentrations below the ESLs. The metals arsenic, cobalt, and chromium were detected in several samples at concentrations that exceeded the ESLs; however, these concentrations are within ranges published for naturally occurring metals detected in soils in the San Francisco Bay Area.

Results from these investigations, evaluated in conjunction with results from previous investigations, indicate that AOCs #2, #6, and #7 have been sufficiently characterized and that no additional investigations are warranted for these areas. Additional

subsurface investigations may be required to confirm an elevated TPHmo concentration detected in a grab groundwater sample collected from one soil boring at AOC #3. However, soil and grab groundwater samples collected from nearby sample locations (at AOC #3) indicate that this area has not been significantly affected by petroleum hydrocarbons.

LFR Inc. (LFR) does recommend that additional subsurface investigations be conducted at AOC #8 (SS-123 area), to further characterize the lateral extent of petroleum-affected groundwater to the south in the SS-123 area. Previous consultants have concluded that groundwater in this area may be perched; this has not been confirmed. LFR also recommends re-sampling existing groundwater monitoring well 3S/1E 10D8, located north of Lake I, to confirm the SVOC and dissolved mercury concentrations detected in the groundwater sample collected from this well.

1.0 INTRODUCTION

This Site Investigation Report presents the results and findings of additional subsurface investigations conducted by LFR Inc. (LFR) on behalf of Hanson Aggregates Northern California ("Hanson") to confirm and further assess the extent of affected soil and groundwater in areas previously identified as areas of concern (AOCs) at the Hanson Aggregates Radum Facility, located at 3000 Busch Road, Pleasanton, California ("the Site"; Figure 1). To facilitate the investigation of environmental conditions at the Site, LFR has subdivided the approximately 1,000-acre Site into nine AOC, as illustrated on Figure 2. The scope of work for the investigations conducted at the Site was described in the "Work Plan for Additional Site Characterization at the Hanson Aggregates Radum Facility, 3000 Busch Road, Pleasanton, California," submitted to Alameda County Environmental Health (ACEH) on May 16, 2007 ("the Work Plan"). The Work Plan was approved by ACEH on June 22, 2007, with modifications to the scope of work including advancing additional soil borings, collecting additional samples, and conducting additional analyses. ACEH is the regulatory agency overseeing the environmental characterization of the Site under ACEH case number #RO0002952 (Geotracker Global ID #SL0600101555).

In accordance with the scope of work in the Work Plan and as approved by ACEH, LFR conducted investigations that included collecting soil, sediment, surface-water, and groundwater samples at locations in the eastern portion of AOC #2 and in AOCs #3, #6, #7, and #8 (Figure 2). As described further below, no additional investigations were necessary in the western portion of AOC #2 and at AOCs #4, #5, and #9, and the report of the investigations planned to be conducted in AOC #1 (the former hot mix asphalt plant area) will be completed under a separate scope of work. In addition, in anticipation of a property transfer from Hanson to Legacy Partners ("Legacy"), LFR collected groundwater samples from existing groundwater monitoring wells owned by Alameda County Flood Control and Water Conservation District Zone 7 ("Zone 7") and located on the Site. Results for samples collected from existing groundwater monitoring wells are also presented in this report.

This report summarizes field activities performed at the Site during July 12 through 25, 2007, and presents and discusses results from these field activities. This report is organized as follows.

- Section 2.0 presents a description of the Site, the site history and potential environmental impacts, a summary of previous environmental investigations conducted at the Site, and an overview of regulatory oversight to date.
- Section 3.0 describes the methodology of the investigations conducted.
- Section 4.0 presents the results of the environmental investigations conducted to confirm or further characterize the extent of contamination previously identified in various AOCs of the Site.

- Section 5.0 describes the methodology to sample existing deep groundwater monitoring wells and presents the results of the well sampling.
- Section 6.0 presents the conclusions and recommendations developed based on the results of the environmental investigations and well sampling.
- Section 7.0 defines LFR's professional limitations.
- Section 8.0 provides a reference list of primary documents related to environmental investigations conducted at the Site to date.

2.0 SITE HISTORY OF POTENTIAL ENVIRONMENTAL IMPACTS AND PREVIOUS INVESTIGATIONS

2.1 Site Description and History

The Site is located at 3000 Busch Road, Pleasanton, California, and consists of approximately 1,050 acres located partly within the city limits of Pleasanton and partly within an unincorporated area of Alameda County (Figures 1 and 2). Approximately two-thirds of the Site consist of large ponds or lakes, namely Lake I, Lake H, and Cope Pond, created during historical aggregate mining operations (Figure 2). The remaining approximately 320 acres of the Site (generally the southern third) consist of developable land. As described in the Phase I Environmental Site Assessment (ESA) by ENV America Inc. (ENV 2006a), several buildings remain on the Site, including Hanson offices, a minimally used heavy equipment maintenance shop and two warehouses, an idle truck maintenance shop currently occupied and used by the City of Pleasanton garbage company, and several smaller structures including temporary trailers and a lube shed associated with the heavy equipment maintenance shop. Structures previously associated with the historical mining and aggregate product manufacturing, including the former hot mix asphalt and concrete batch plants, have been removed from the Site. Partial structures, including concrete foundations and miscellaneous debris, remain within the former hot mix asphalt plant area in the southwestern corner of the Site (AOC #1; Figure 2).

As described in ENV's Phase I ESA report, mining of sand and gravel in the Livermore-Amador Valley began prior to 1900. Mining operations for aggregate resources at the Site were begun in 1938 by Kaiser Sand and Gravel. Reportedly, as sections of the property were mined out, the former mining pits were used for storage and/or as disposal ponds for water (from dewatering of new pits) and fine-grained sediments (silt and sand) washed out of the aggregate material. In addition, some mining pits were likely backfilled with debris and mine waste, as is evident from debris encountered during drilling. Hanson purchased the property in 1991 and continued mining operations until 2001. Mining was discontinued at that time due to lack of available aggregate materials.

Within the former mining operations areas (e.g., the former hot mix asphalt and concrete batch plants), several former underground storage tanks (USTs) were used to store fuel products, including gasoline, diesel, or used or new motor oil. As described below, historical mining and aggregate processing operations at the Site (in particular in the former hot mix asphalt plant area) have resulted in localized petroleum hydrocarbon-affected soil and groundwater beneath the Site.

2.2 Regional and Site Geology and Hydrogeology

2.2.1 Regional Geology and Hydrogeology

The regional geology and hydrogeology summarized in this section are based on information provided in the most recent Zone 7 Annual Report for the Groundwater Management Program (Zone 7 2007). The Hanson Radum property is located in the Livermore-Amador Valley, an east-west trending valley surrounded by north-south trending faults and hills that are part of the Diablo Range. The Site lies within the Main Basin of the Livermore-Amador Valley Groundwater Basin and, more specifically, within the Amador Sub-Basin (Zone 7 2007).

The regional geology consists primarily of alluvial deposits (fan, stream, and lake) that range in thickness from a few feet at the margins to almost 800 feet in the west-central portions of the valley (Zone 7 2007). The alluvial deposits consist primarily of gravels and sands and are underlain by the Livermore Formation, which consists of relatively less permeable clayey gravels and sands, and silts and clays. Two major aquifer zones have been identified: the "Upper Aquifer Zone" and the "Lower Aquifer Zone." The Upper Aquifer Zone is generally unconfined and consists of unconsolidated coarse-grained alluvial sediments (primarily sandy gravel and sandy clayey gravel) encountered beneath surficial clays and between approximately 20 to 40 feet below ground surface (bgs) and 80 to 150 feet bgs. Permeable sediments encountered beneath the Upper Aquifer Zone and the underlying clay aquitard are grouped into the Lower Aquifer Zone, which is semi-confined to confined.

2.2.2 Site Geology and Hydrogeology

Subsurface investigations conducted by LFR during July 2007 have encountered unconsolidated sediments consisting predominantly of clays and silts with gravel and intervals of coarser-grained gravels and sands. Because of the historical activities at the Site, some areas may consist of native sediments while others may consist of fill material. The locations of the former aggregate mining pits are not well defined. In certain areas, including the SS-123 area (AOC #8), concrete or cement material was encountered during drilling (at approximately between 10 and 30 feet bgs), indicating that historical mining pits likely were located in this area and subsequently filled by debris from the former mining operations.

With the exception of the SS-123 area (AOC #8), groundwater beneath the Site has generally been encountered approximately between 45 and 65 feet bgs. During the July 2007 subsurface investigations summarized in this report, groundwater was encountered approximately between 65 and 70 feet in temporary soil borings located in AOCs #2, #3, and #7. During a previous investigation conducted in AOC #1 in November 2006, groundwater was encountered in temporary soil borings approximately between 45 and 55 feet bgs. The difference in depth to groundwater between the July 2007 and the November 2006 investigations may accurately define differences in the depth to groundwater in the different areas of the Site, or may reflect seasonal variations. During the July 2007 investigations, depth to groundwater also was measured in four existing groundwater monitoring wells to be approximately between 53 and 57 feet below the top of the well casing (TOC), which is equivalent to approximately 50 to 54 feet bgs assuming 3-foot well risers. However, these four monitoring wells have well screens deeper than 170 feet bgs and possibly are not monitoring the same shallow groundwater encountered in the temporary soil borings that were advanced to a maximum depth of 75 feet bgs.

In the SS-123 area, groundwater was encountered between 25 and 30 feet bgs during LFR's investigations in July 2007 and ENV's investigations conducted between February and May 2007. ENV has concluded that this represents a perched groundwater zone; however, the presence of a perched groundwater zone in this area has not been confirmed.

The local groundwater flow direction and gradient beneath the Site currently is not known. New shallow groundwater monitoring wells were installed in AOC #1 in October 2007. Water-level elevations measured at these new wells will be used to assess the local groundwater flow direction and gradient in the southwestern portion of the Site.

2.3 Summary of PECs/RECs and Previous Environmental Site Investigations

Several subsurface investigations have been conducted at the Site to date by various consultants, including Baseline Environmental Consulting ("Baseline"), ENV, Brown & Caldwell (B&C), and LFR. The investigations conducted by Baseline were conducted on behalf of Hanson during 1991 and 1995 and predominantly were associated with the removal of former USTs. ENV completed several investigations on behalf of Legacy during 2006 and 2007, including a Phase I ESA and a Phase II ESA, and additional subsurface sampling in randomly selected locations. These investigations were conducted as part of Legacy's due diligence work prior to entering into a purchase agreement with Hanson for the Site. B&C completed three investigations on behalf of Hanson during 2006 and 2007, including a Phase I ESA, a limited Phase II ESA, and a subsurface investigation to assess soil and groundwater quality near two former USTS removed from approximately north of the idle truck maintenance shop in 2003. Based on the results of the B&C subsurface investigations, regulatory closure for these two former USTs was granted in June 2007.

LFR conducted an additional Phase II subsurface investigation in the former hot mix asphalt plant area (AOC #1) in November 2006 on behalf of Hanson to confirm previous findings by ENV and to further characterize the extent of suspected petroleum hydrocarbon contamination. Based on the results of LFR's November 2006 investigation, Hanson reported to ACEH the presence of elevated concentrations of petroleum hydrocarbons in soil and groundwater beneath the former hot mix asphalt plant area. Because of the large number of individual investigations conducted at the Site by various consultants, ACEH requested that a single document be prepared presenting a summary of all potential or recognized environmental concerns (PECs or RECs) on a site-wide basis.

On May 16, 2007, LFR submitted the Work Plan, which included a summary of the history of the Site and a detailed summary of site-wide environmental conditions based on results from investigations conducted by LFR and other consultants (LFR 2007a). To facilitate the data review and to focus future proposed investigations at the Site, LFR defined the nine AOCs that contained one or more PECs or RECs. In order to identify a PEC or REC, LFR compared all available analytical results to the Environmental Screening Levels (ESLs) for commercial/industrial land use areas developed by the Regional Water Quality Control Board (RWQCB 2005). Concentrations were considered elevated, and a PEC or REC was identified, based on whether analytical results exceeded the ESLs. The nine AOCs are shown on Figure 2 and are described below.

- AOC #1 Former Hot Mix Asphalt Plant Area (investigation being conducted during October 2007 and results will be presented under separate cover)
- AOC #2 Idle Truck Maintenance Area
- AOC #3 Heavy Equipment Maintenance and Wash Rack Area, and PEC Identified by Temporary Soil Boring EB-35
- AOC #4 Former Concrete Batch Plant Area
- AOC #5 Former Mining Operations Area
- AOC #6 Storm-Water Retention Pond
- AOC #7 PEC Identified by Temporary Soil Boring SS-31
- AOC #8 PEC Identified by Temporary Soil Boring SS-123
- AOC #9 Vulcan Materials Company Storm-Water Runoff Area

The following sections present a brief overview of known site conditions in each of the AOCs based on the more detailed information presented in the Work Plan. Site maps were prepared for each individual AOC and were presented in the Work Plan. The individual site maps have been updated for this report to include results from the subsurface investigations completed recently by ENV (ENV 2007c) and by LFR (reported herein). Figures 3 through 7 present updated detailed maps of AOCs #2, #3, #6, #7, and #8, respectively. In agreement with ACEH and as described below,

PECs/RECs within AOC #1 have been further characterized under a separate scope of work and the results of that investigation will be presented under separate cover. As such, a site plan for AOC #1 and detailed site description and history are not included in this report.

2.3.1 AOC #2: Idle Truck Maintenance Area

The former idle truck maintenance area is located in the west-central portion of the Site (AOC #2; Figures 2 and 3). The eastern portion of AOC #2 contains several structures, including the idle truck maintenance shop currently used by the Pleasanton Garbage Service Inc. and several trailers. Approximately seven former USTs have been removed from this AOC; these have been investigated and closed to the satisfaction of regulatory oversight agencies. An inactive 640-foot-deep water supply well owned by Zone 7, well 3E/1S 15F3, also known as well Kaiser #6, is located southwest of the idle truck maintenance shop and was sampled by ENV in February 2007 (sample name W-1; Figure 3).

The western portion of AOC #2 contains the idle truck maintenance yard and mostly undeveloped areas. Based on previous investigations, a PEC was identified near the northeastern corner of the maintenance yard during the Phase II ESA by ENV, based on the analytical results from soil samples collected from temporary soil boring EB-31. Former boring EB-31 was advanced by ENV reportedly because a former "waste pit" or disposal pond existed in this portion of the Site (ENV 2006b). Analytical results identified that the soil sample collected from approximately 10 feet bgs slightly exceeded the ESL for total petroleum hydrocarbons (TPH) as diesel (TPHd). Other soil samples collected from above and below the 10-foot interval did not exceed the ESLs.

LFR recommended that this PEC and data gap identified by the results from former soil boring EB-31 be further characterized laterally.

2.3.2 AOC #3: Heavy Equipment Maintenance and Wash Rack Area, and PEC Identified by Temporary Soil Boring EB-35

The heavy equipment maintenance area and soil boring EB-35 are located in the north-central portion of the Site (AOC #3; Figures 2 and 4). This area encompasses several existing buildings and/or structures that were identified as PECs or RECs in the Work Plan, such as a heavy equipment maintenance shop and two warehouses (no longer significantly in use), the lube shed associated with the maintenance shop, a truck wash rack, sump, and associated oil-water separator, and two aboveground waste oil tanks. In addition, one active transformer located approximately at the northwestern corner of the building housing the Hanson offices was identified. Former soil boring EB-35 was advanced in a vacant area approximately 2,000 feet northeast of the Hanson offices as part of ENV's random sampling program (ENV 2007a). Although elevated concentrations of TPH were detected in shallow soil samples collected in the vicinity of

former boring EB-35, no known or suspected historical activities were reported to have taken place in this portion of the Site.

Following a review of subsurface investigations conducted by B&C and ENV, LFR identified only two PECs in AOC #3. Two soil samples collected from approximately 2 and 2.5 feet bgs near the northeastern corner of the lube shed resulted in TPHd concentrations that exceeded the ESL. Also, the soil samples collected from approximately 2 feet bgs from former soil boring EB-35 contained TPHd and TPH as motor oil (TPHmo) at concentrations above the ESLs. In the Work Plan, LFR recommended that additional subsurface investigations be conducted to further characterize the lateral extent of petroleum hydrocarbons in shallow soil in the vicinity of former soil borings B-1 and EB-35.

2.3.3 AOC #4: Former Concrete Batch Plant Area

The former concrete batch plant was located in the southwestern portion of the (AOC #4; Figure 2). The concrete batch plant was operated until 2004 when the majority of the equipment was removed. No structures remain from these operations, although four broken aboveground plastic tanks remain that likely contained plasticizers. One former diesel UST was removed in 1995, and confirmation sampling resulted in the receipt of a UST case closure letter from a regulatory agency (ACEH 1998). As discussed in the Work Plan, subsurface investigations conducted by ENV confirmed the former concrete batch plant operations did not significantly affect the subsurface and LFR did not identify any data gaps. Therefore, no additional subsurface investigations were proposed in the Work Plan.

2.3.4 AOC #5: Former Mining Operations Area

The former mining operations area was located in the central portion of the Site (AOC #5; Figure 2). Mining operations were conducted until 2004, when the majority of the equipment was removed. All that remains in this area are concrete slabs, large piles of broken concrete, and areas of bare earth. As discussed in the Work Plan, subsurface investigations conducted by ENV confirmed that the former mining operations area did not significantly affect the subsurface and LFR did not identify any data gaps. Therefore, no additional subsurface investigations were proposed in the Work Plan.

2.3.5 AOC #6: Storm-Water Retention Pond

The storm-water retention pond is located along the western boundary of the Site on the northern side of Busch Road adjacent to the Kiewit property (AOC #6; Figures 2 and 5). According to Hanson, the source of the water to this pond is surface runoff water diverted from the Kiewit property, the Pleasanton Garbage Service Inc. operations, and the Hanson property. There are three large-diameter (approximately 12- to 20-inch-diameter) pipes visible that appear to discharge water from these properties into the

pond; one pipe is located near the southwestern corner of the pond and two pipes are located near the southeastern corner of the pond.

ENV reported that sediment and surface-water samples collected from this pond in 1992 contained detectable concentrations of petroleum hydrocarbons (ENV 2006a). Surface-water and sediment samples subsequently were collected from the storm-water retention pond by ENV and B&C in 2006. Analytical results from one of the sediment samples and from the one surface-water sample, both collected near the southeastern corner of the pond by B&C, contained TPHd and TPHmo concentrations that exceeded the ESLs. In the Work Plan, LFR recommended that additional shallow sediment and surface-water samples be collected to confirm these results.

2.3.6 AOC #7: PEC Identified by Temporary Soil Boring SS-31

Temporary soil boring SS-31 was advanced by ENV approximately near the southeastern corner of Lake I (AOC #7; Figures 2 and 6), as part of its subsurface investigations conducted in randomly selected locations (ENV 2007a). LFR is not aware of any historical mining operations in this portion of the Site. The soil samples collected from approximately 2 and 40 feet bgs from former boring SS-31 contained TPHd and TPHmo concentrations that exceeded the ESLs. Based on these results, LFR recommended that four temporary soil borings be advanced in step-out locations to collect additional soil samples to characterize the lateral and vertical extent of petroleum hydrocarbon-affected soil in this area. Because the deepest soil sample collected contained elevated concentrations of TPH, in the Work Plan LFR also recommended the collection and analysis of grab groundwater samples in this area.

2.3.7 AOC #8: PEC Identified by Temporary Soil Boring SS-123

As part of its subsurface investigations conducted in randomly selected locations, ENV advanced temporary soil boring SS-123 in the area located between the Vulcan Materials Company (VMC) property and the former mining operations area (AOC #8; Figures 2 and 7; ENV 2007a). LFR is not aware of any historical mining operations that may have taken place in this portion of the Site. Analytical results for soil samples collected from former soil boring SS-123 in January 2007 indicated the presence of petroleum hydrocarbon-affected soil at depths of approximately 20 to 40 feet bgs. Based on these results, ENV advanced four additional temporary soil borings located approximately 25 feet to the north, east, south, and west of soil boring SS-123 in March 2007. Analytical results from soil and grab groundwater samples contained TPHd and TPHmo at concentrations that exceeded the ESLs in soil samples collected from approximately between 2 and 30 feet bgs, and in grab groundwater samples collected from approximately 30 feet bgs in each of the four soil borings.

Based on the results of the March 2007 investigation, ENV concluded that the groundwater encountered approximately between 25 to 30 feet bgs represented a perched groundwater interval (ENV 2007b), and that additional characterization was

necessary. ENV proposed to conduct a third investigation in May 2007, consisting of additional step-out temporary soil boring locations.

When LFR submitted the Work Plan to ACEH on May 16, 2007, the results of ENV's third investigation conducted during May 2007 in this area were not available. LFR did not make any recommendations for additional investigations in the Work Plan, pending the results of ENV's investigation. Subsequently, a draft summary report presenting the results from ENV's third investigation was made available to LFR on July 3, 2007, and LFR later obtained a copy of the final report dated June 2007 from the ACEH on-line document library (ENV 2007c).

According to ENV's June 2007 report, four temporary soil borings were advanced in locations stepping out approximately 125 feet to the east, south, west, and north of the original SS-123 location (Figure 5). Former soil borings SS-123(E) through SS-123(H) were advanced to depths of approximately 30 to 35 feet bgs. Elevated TPHd and TPHmo concentrations were detected in a depth-discrete soil sample collected from approximately 5 feet bgs in former soil boring SS-123(G) located farthest west. Elevated TPHd concentrations were detected in the soil samples collected from approximately 15 feet bgs from former soil borings SS-123(H), located to the north, and SS-123(E), located to the east. No other soil samples collected from the three soil borings advanced by ENV at locations to the west, north, and east contained elevated hydrocarbon concentrations. In addition, grab groundwater samples collected from former soil borings SS-123(E), SS-123(G), and SS-123(H) did not contain TPHd concentrations above the ESL, and TPHmo was not detected above the laboratory reporting limit. Based on these results, the lateral and vertical extents of hydrocarbon contamination have been sufficiently characterized to the west, north, and east of former boring SS-123.

Of the four step-out locations advanced by ENV, only the southernmost soil boring (SS-123(F)) contained elevated petroleum hydrocarbons in soil samples and in the grab groundwater sample. Soil samples collected from approximately 5, 10, 15, and 20 feet bgs contained TPHd concentrations that exceeded the ESL and the 5-foot soil sample contained TPHmo at a concentration that exceeded the ESL. The grab groundwater sample contained TPHd and TPHmo at concentrations that exceeded the ESL (Figure 5; ENV 2007c).

Based on ENV's draft results, LFR planned to advance four additional temporary soil borings in the vicinity of former soil boring SS-123 during the July 2007 site-wide investigations, to further assess the lateral extent of petroleum-affected soil and groundwater in this area. Three soil boring locations were identified as step-out locations from former soil boring SS-123(F). One soil boring location was selected to be approximately adjacent to the original soil boring SS-123, in order to collect continuous core samples and create a more detailed soil boring log (ENV collected soil samples at approximately every 10 feet), and to collect a grab groundwater sample (ENV did not collect a grab groundwater sample from former boring SS-123). LFR

planned to collect depth-discrete soil samples and grab groundwater samples from each soil boring.

2.3.8 AOC #9: Vulcan Materials Company Storm-Water Runoff Area

The VMC property is located adjacent to the Site and to the east and is an active aggregate mining and product facility. The VMC runoff area is located along the southeastern edge of the Site (AOC #9; Figure 2). According to the Phase II ESA report by ENV, previous reports indicated that surface-water runoff from the VMC property onto the Site has occurred in the past (ENV 2006b). Reportedly, a berm was installed between the VMC property and the Site to control surface-water runoff; the current condition of this berm could not be determined by LFR or Hanson.

ENV collected three shallow soil samples from the VMC storm-water runoff area during September 2006, approximately where surface-water runoff may have taken place. Analytical results showed that TPHd was slightly elevated in one of the soil samples; however, the soil samples collected approximately upgradient and downgradient from this soil sample did not contain significant TPHd or TPHmo concentrations. No data gaps were identified and LFR did not recommend any additional investigations for this area.

2.4 Regulatory Determinations

Based on its review of documentation and reports of environmental investigations conducted by various consultants on behalf of Hanson and Legacy, ACEH issued a letter to Hanson on March 16, 2007, requesting that a work plan be prepared to propose a scope of work for additional site-wide characterization investigations. ACEH requested that the work plan include:

- A detailed site history
- A description of current conditions and PECs or RECs
- An improved presentation of available analytical data
- Copies of relevant reports or documents not previously provided to ACEH, in particular regarding environmental investigations conducted at the neighboring Kiewit property and case closure letters from regulatory agencies for former USTs
- A scope of work for additional characterization investigations

LFR prepared and submitted the May 16, 2007 Work Plan to ACEH, addressing ACEH's requests. In the Work Plan, LFR included a summary of the various PECs and RECs on a site-wide basis, a comprehensive summary of all available analytical data, individual site maps presenting analytical data and site features and at appropriate scales, and a scope of work for additional characterization investigations (LFR 2007a). On June 20, 2007, a project planning meeting was held at the ACEH offices with

ACEH, Hanson, LFR, and Nuquest on behalf of Hanson, Legacy, and ENV, and AIG Environmental on behalf of Legacy, to discuss current site conditions, the Work Plan and proposed scope of work, and the anticipated property transfer for the majority of the Hanson property to Legacy. During this meeting, two areas were highlighted as being of primary environmental concern, namely the deep soil contamination in the northern portion of the former hot mix asphalt plant area and in the vicinity of former soil boring SS-123.

ACEH subsequently approved the Work Plan in a letter dated June 22, 2007, and provided technical comments consisting primarily of requests for advancing certain proposed soil borings deeper and conducting additional analyses on soil and/or groundwater samples collected from specific locations (ACEH 2007c). ACEH agreed with LFR that no additional investigations would be required in the western portion of AOC #2, and in AOCs #4, #5, and #9.

2.4.1 Property Transfer and New Case Number

In anticipation of the property transfer between Hanson and Legacy, the Radum property has been divided into two primary parcels. Investigations and summary reports are now being conducted separately for the two primary areas of the Site.

It is LFR's understanding that Hanson has retained the portion of the property delineated by the Lot Line Adjustment, the approximately 15-acre area defined as Parcel 1, and the small, irregularly shaped area located south of the Kiewit property, and that the rest of the Site has been transferred to Legacy. In anticipation of the planned property transfer from Hanson to Legacy, Hanson requested that ACEH assign a new Spills, Leaks, Investigations, and Cleanups (SLIC) case number to the portion of the property transferred to Legacy (LFR 2007b). ACEH approved this request (ACEH 2007d), and currently there exist two SLIC case numbers for the Site, defined as follows:

ACEH SLIC case number RO0002941 and Geotracker Global ID SLT19719376 refer to the approximately 15-acre Parcel 1 and the small area south of the Kiewit property, including AOC #1 and the western portion AOC #2.

ACEH SLIC case number RO0002952 and Geotracker Global ID SL0600101555 refer to the rest of the Hanson Radum property, including the eastern portion of AOC #2 and AOCs #3 through #9.

2.4.2 Investigation and Reporting Schedule

In accordance with the Work Plan and ACEH technical comments outlined in its June 22, 2007 letter, LFR conducted subsurface investigations in the eastern portion of AOC #2, and in AOCs #3, #6, #7, and #8, during July 2007. The results on these

investigations are summarized and discussed in this report, which has been transmitted to ACEH on October 26, 2007.

The subsurface investigations proposed to be conducted in the former hot mix asphalt plant area (AOC #1) and in the irregularly shaped area south of the Kiewit property were completed during October 2007. As approved by ACEH via e-mail on October 9, 2007, LFR will submit a summary report presenting results from these investigations on November 30, 2007.

2.5 Investigation Objectives

The primary objective of the subsurface investigations proposed in the Work Plan is to further characterize the lateral and/or vertical extent of petroleum hydrocarbons in soil and/or groundwater in AOCs #2, #3, #6, #7, and #8. Below is a summary of the investigations proposed to fill the data gaps.

AOC #2 - Idle truck maintenance area: advance three temporary soil borings near former boring EB-31 to characterize the lateral extent of TPHd in soil and to assess groundwater quality in this area of the Site.

AOC #3 - Heavy equipment maintenance and wash rack area, and former soil boring EB-35 area: advance one temporary soil boring near former boring B-1 to characterize the lateral and vertical extent of TPHd in soil and to evaluate whether groundwater has been affected in this area, and advance four temporary soil borings in the vicinity of former boring EB-35 to assess the lateral extent of TPHd and TPHmo in soil.

AOC #6 - Storm-water retention pond: collect sediment and surface-water samples from the pond to confirm previous TPHd and TPHmo results.

AOC #7 - Former soil boring SS-31 area: advance four temporary soil borings near former boring SS-31 to characterize the lateral and vertical extent of TPHd and TPHmo in soil and to assess groundwater quality in this area of the Site.

AOC #8 - Former soil boring SS-123 area: advance four temporary soil borings in the vicinity of former boring SS-123 to assess the lateral and vertical extent of TPHd and TPHmo in soil and groundwater in this area of the Site.

3.0 INVESTIGATION METHODOLOGY

3.1 Pre-Field Activities

3.1.1 Permitting

LFR applied for and received the appropriate soil boring drilling permit from Zone 7. Based on the drilling locations, no other permits were required for the proposed activities. A copy of the approved soil boring permit is included in Appendix A.

3.1.2 Subsurface Utility Clearance

LFR notified Underground Service Alert (USA) to identify any public underground utilities located in the vicinity of the proposed soil boring locations. LFR did not receive any utility alerts from USA. LFR also subcontracted a private underground utility locator to clear all proposed soil boring locations using geophysical and pipe/cable location methods. All proposed soil boring locations were cleared satisfactorily. Due to the extreme hardness of the surface soil and the presence of gravel in the upper 5 feet of soil, the temporary soil borings could not be started using hand-auger techniques as was proposed in the Work Plan as an additional precaution against encountering utilities during drilling.

3.1.3 Health and Safety Plan

A Health and Safety Plan (HSP) previously prepared by LFR for the subsurface investigations conducted at the former hot mix asphalt plant area in November 2006 was revised to address health and safety concerns specific to the planned field activities.

Health and safety tailgate meetings were conducted before beginning fieldwork each day, and fieldwork was monitored according to the HSP to ensure that appropriate health and safety procedures were followed during the field investigations. In addition, in accordance with standard Hanson Radum facility operations, LFR and LFR's subcontractors attended on-site health and safety training conducted by a Hanson representative.

3.2 Temporary Soil Borings

A total of 16 temporary soil borings was advanced to depths ranging approximately from 10 to 70 feet bgs in AOCs #2, #3, #7, and #8, as described below.

3.2.2 Soil Boring Advancement and Soil and Grab Groundwater Sampling Procedures

Drilling and Lithologic Logging

LFR subcontracted HEW Drilling Co., Inc., of Palo Alto, California, a state-certified drilling subcontractor, to advance the 16 temporary soil borings using hollow-stem auger (HSA) drilling technology using a CME-75 drill rig and an 8-inch-diameter HSA (although a larger drill rig and HSA were used to advance several soil borings in the SS-123 area, as explained in Section 3.2.3). The drilling and soil and grab groundwater sampling activities were completed during July 16 through 24, 2007. During drilling, continuous soil cores were collected for lithologic evaluation and field screening. LFR collected depth-discrete soil samples for laboratory analyses from intervals where field screening and field observations indicated the possible presence of petroleum hydrocarbons or other contaminants in the soil. Where no indication of contamination was observed in the soil cores, LFR collected depth-discrete soil samples at approximately 5-foot intervals, until groundwater was first encountered or to a target depth, depending on the soil boring location.

Field boring logs were prepared for each soil boring location, and lithologic and field screening results were recorded on the field boring logs. Field boring logs were prepared by an LFR field geologist based on visual lithologic soil logging procedures and the Unified Soil Classification System (ASTM D2488-00). All boring logs were reviewed, edited, and signed by a California Professional Geologist.

All downhole drilling and sampling equipment was appropriately cleaned with high-pressure hot water (steam cleaned) before use at each 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 if groundwater was present, or directly from the ground surface if no groundwater was present. Waste soil generated during drilling was placed on plastic tarps on the ground surface near each temporary soil boring and will be disposed of as necessary during future land development activities.

Soil Sampling

LFR attempted to collect continuous soil cores using California split-spoon-type samples driven in approximately 18-inch intervals. This was conducted variably, depending on soil conditions, in soil borings EB-35(A) through EB-35(D), B-1(A), EB-31(A), EB-31(C), and SS-31(A). The coarse-grained nature of the soils (typically gravels) made this sampling method difficult to nearly impossible in certain locations. Therefore, LFR switched to collecting 5-foot continuous cores during HSA drilling where necessary. The continuous coring resulted in somewhat poorer soil core recovery in certain soil borings. Where the California split-spoon sampler was used, soil cores were collected in brass tube liners. Where continuous coring methods were

used, soil samples selected for laboratory analyses were transferred from the core barrel to brass tube liners.

Depth-discrete soil samples were selected for laboratory analyses based on the potential presence of contaminants, in particular petroleum hydrocarbons, as apparent from field screening using a photoionization detector (PID) or from visual/olfactory evaluation of the soil cores. All soil samples selected to be submitted for laboratory analyses were properly labeled with the boring identification number and depth interval, the time and date of collection, and the initials of the sampler. Soil samples were stored in ice-chilled coolers that were submitted to the analytical laboratory under strict chain-of-custody protocols on a daily basis.

Grab Groundwater Sampling

Ten of the 16 temporary soil borings were advanced until groundwater was first encountered to collect grab groundwater samples. After drilling was completed, a temporary well casing consisting of a polyvinyl chloride (PVC) well screen and casing was placed through the HSA and the HSA was raised approximately 3 to 5 feet to allow groundwater to enter the borehole. Grab groundwater samples were collected using clean, disposable bailers lowered into the PVC casing and gently pouring the groundwater from the bailer into the appropriate clean, laboratory-supplied sample containers. The sample containers were properly labeled with the boring identification number, the time and date of collection, and the initials of the sampler. Groundwater samples were stored in ice-chilled coolers along with the soil samples, and were submitted to the analytical laboratory under strict chain-of-custody protocols on a daily basis.

Grab groundwater samples were successfully collected from each location where grab groundwater samples were proposed to be collected, although most soil borings needed to be advanced deeper than anticipated. Based on previous investigations conducted at the former hot mix asphalt plant, groundwater was anticipated to be encountered between approximately 50 and 55 feet bgs. During the drilling conducted site-wide in July 2007, however, borings were advanced to approximately 70 feet bgs in order to encounter sufficient groundwater for sampling, with the exception of the area near former soil boring SS-123 where groundwater previously had been encountered at approximately 30 feet bgs.

3.2.3 Temporary Soil Boring Locations and Target Depths

The locations of temporary soil borings advanced by LFR in AOCs #2, #3, #7, and #8 during July 16 though 24, 2007 are shown on Figures 3, 4, 6, and 7, respectively. Sample locations and target depths are described below.

Idle Truck Maintenance Area (AOC #2)

LFR advanced at total of three temporary soil borings in the idle truck maintenance area (AOC #2), in the vicinity of former soil boring EB-31, which was located approximately northeast of the idle truck maintenance yard. Soil borings EB-31(A) through EB-31(C) were advanced to further characterize the lateral and vertical extent of elevated TPHd and TPHmo concentrations detected in a soil sample previously collected from approximately 10 feet bgs in former boring EB-31. The three new soil borings were located approximately 15 feet southeast, southwest, and north, respectively, of former boring EB-31 (Figure 3). Soil borings EB-31(A) and EB-31(C) were advanced to approximately 20 feet bgs, and soil boring EB-31(B) was advanced to approximately 70 feet bgs until groundwater was first encountered. In each soil boring, depth-discrete soil samples were collected for laboratory analyses from approximately every 5 feet to approximately 20 feet bgs and analyzed for TPHd and TPHmo. A grab groundwater sample was collected from boring EB-31(B) and analyzed for TPHd; TPHmo; TPH as gasoline (TPHg); volatile organic compounds (VOCs); benzene, toluene, ethylbenzene, and total xylenes (BTEX); fuel oxygenates; and lead scavengers (Table 1).

Heavy Equipment Maintenance and Wash Rack Area, and PEC Identified by Former Soil Boring EB-35 (AOC #3)

Five temporary soil borings were advanced in AOC #3 (Figure 4). One soil boring (B-1(A)) was located approximately 18 feet north of former soil boring B-1 near the lube shed, and was advanced to approximately 70 feet bgs to collect a grab groundwater sample.

Four soil borings (EB-35(A) though EB-35(D)) were advanced surrounding former soil boring EB-35, to further characterize the lateral and vertical extent of elevated TPHd concentrations detected in soil samples collected from approximately 2 feet bgs in these two areas (Figure 4). These four borings were located approximately 25 feet to the east, south, west, and north of former boring EB-35 and were advanced to approximately 10 or 11 feet bgs.

Continuous soil cores were collected from each temporary soil boring for lithologic logging, and depth-discrete soil samples were collected for laboratory analyses from approximately 5 and 10 feet bgs in each soil boring and were analyzed for TPHd, TPHmo, TPHg, polychlorinated biphenyls (PCBs), semivolatile organic compounds (SVOCs), and metals concentrations. An additional soil sample was collected from approximately 35 feet bgs (based on field screening results) at boring B-1(A) and analyzed for TPHd and TPHmo. A grab groundwater sample was collected from boring B-1(A) and was analyzed for TPHd, TPHmo, TPHg, VOCs, BTEX, fuel oxygenates, and lead scavengers (Table 1).

PEC Identified by Former Soil Boring SS-31 (AOC #7)

AOC #7 was defined by elevated petroleum hydrocarbon concentrations detected in soil samples collected from former soil boring SS-31 (Figure 6). LFR advanced four temporary soil borings approximately surrounding former soil boring SS-31 to further characterize the lateral and vertical extent of elevated TPHd and TPHmo concentrations previously detected in soil samples from approximately 2 and 40 feet bgs. Soil borings SS-31(A) through SS-31(D) were located approximately 75 feet to the west, north, east, and south, respectively (Figure 6). Each soil boring was advanced to approximately 70 feet bgs to collect grab groundwater samples. Depth-discrete samples were collected for laboratory analyses from the four soil borings from approximately every 5 feet from ground surface to approximately 30 feet bgs, and then approximately every 10 feet bgs until groundwater was encountered. An additional depth-discrete soil sample was collected from the 52- to 53-foot interval in boring SS-31(A) based on the field screening results. All soil samples were analyzed for TPHd, TPHmo, TPHg, BTEX compounds, fuel oxygenates, and lead scavengers. In addition, the 5- and 10-foot samples were analyzed for pesticides, PCBs, SVOCs, and metals concentrations (Table 1).

Grab groundwater samples were collected from each of the four soil borings and analyzed for TPHd, TPHmo, TPHg, VOCs, BTEX, fuel oxygenates, and lead scavengers (Table 1).

PEC Identified by Former Soil Boring SS-123 (AOC #8)

AOC #8 was defined by elevated petroleum hydrocarbon concentrations detected in soil samples collected from the initial former soil boring SS-123 (Figure 7). As described in Section 2.3.7, ENV subsequently advanced a total of eight soil borings in step-out locations from former boring SS-123 to investigate the nature and extent of potential petroleum hydrocarbon contamination in this area. Based on ENV's results, LFR proposed to advance three soil borings in step-out locations from former soil boring SS-123(F) and one temporary soil boring adjacent to the original former boring SS-123.

Soil boring SS-123(AA) was advanced approximately adjacent to former boring SS-123, to approximately 20 feet bgs to collect a continuous soil core and a grab groundwater sample, neither of which was collected from the original soil boring SS-123. In addition, based on ENV's conclusion that a perched zone of groundwater exists in the SS-123 area, LFR attempted to confirm the presence of perched groundwater. Soil boring SS-123(AA) was drilled using a relatively powerful HSA drilling rig (CME-95 instead of standard CME-75) and large-diameter HSA (16-inch diameter instead of standard 8-inch). LFR intended to advance the 16-inch-diameter HSA into a relatively less permeable interval, possibly beneath the perched groundwater zone, and then continue drilling deeper using the 8-inch-diameter HSA advanced inside the 16-inch-diameter HSA, which would serve as a temporary casing sealing the perched groundwater from deeper groundwater zones. However, the

suspected perched groundwater could not be adequately sealed from entering the borehole using the 16-inch-diameter HSAs; therefore, the presence of a perched groundwater zone could not be confirmed using this drilling method.

Soil borings SS-123(F1), SS-123(F2), and SS-123(F3) were advanced as step-out locations to former soil boring SS-123(F), and were located approximately 75 feet to the east, south, and west, respectively. Soil borings SS-123(F1) through SS-123(F3) were advanced to approximately 30 feet bgs. Continuous soil cores were collected and depth-discrete soil samples were collected from approximately every 5 feet until a grab groundwater sample could be collected from the first encountered groundwater.

3.3 Surface Sediment and Water Samples from the Storm-Water Retention Pond

LFR collected a total of four surface-sediment samples and one composite surface-water sample from the storm-water retention pond (AOC #6; Figure 5). LFR subcontracted NRC Environmental Services (NRC) of Alameda, California, to assist in collecting the samples from within the storm-water retention pond on July 13, 2007. NRC provided a boat that was lowered into the pond and from which two of the four sediment samples were collected from beneath the water using a potable dredge to collect the composite surface-water sample. The sediment collected using the dredge was placed in clean, laboratory-provided sample containers. The two sediment samples collected from the wet sediment above the surface water were collected by pushing clean sample containers into the sediment. The four sediment samples were collected approximately in line and approximately at 50-foot intervals between the southeastern corner of the pond and approximately the center of the pond. The southeasternmost sediment sample was collected approximately below the outflow of two large diameter pipes that appear to direct surface-water runoff from the Hanson and Kiewit properties into the pond.

The composite surface-water sample was collected by compositing surface water from approximately the southeastern and southwestern corners of the pond, approximately beneath the outflow of the two large-diameter pipes leading into the pond in the southeastern corner and one large-diameter pipe leading into the pond in the southwestern corner of the pond. The surface-water samples were collected directly into clean, laboratory-provided sample containers. All samples were placed in ice-chilled coolers, which were submitted to the analytical laboratory under strict chain-of-custody protocols on a daily basis.

The four storm-water sediment samples were analyzed for TPHd, TPHmo, and metal concentrations while the composite surface-water sample was analyzed for TPHd, TPHmo, TPHg, VOCs, BTEX, fuel oxygenates, lead scavenger compounds, and metals concentrations (Table 1).

3.4 Laboratory Analyses

All soil and water samples selected for laboratory analyses were submitted to Curtis & Tompkins, Ltd. (C&T), a California-certified analytical laboratory located in Berkeley, California. All samples were analyzed for TPHd and TPHmo by U.S. Environmental Protection Agency (EPA) Method 8015 (after undergoing silica gel cleanup). Selected samples were analyzed variably for the following analyses: TPHg by EPA Method 8015 (soil and sediment samples) or EPA Method 8260 (groundwater and surface-water samples); VOCs, BTEX, fuel oxygenates, and lead scavengers by EPA Method 8260; pesticides by EPA Method 8081; PCBs by EPA Method 8082; SVOCs by EPA Method 8270; and metals (CAM 17 by EPA Method 6010). Table 1 presents a sample matrix that summarizes the laboratory analyses conducted from individual soil, groundwater, sediment, and surface-water samples.

3.5 Field Documentation

Field activities were documented using the appropriate forms for HSP tailgate meetings, field boring logs, sample labels, and chain-of-custody forms. Forms will be kept on file at LFR and will be available upon request.

3.6 Land Survey of Sample Locations

After all samples were collected, LFR subcontracted a licensed land surveyor to survey the location of individual temporary soil borings and the approximate location of the sediment and surface-water samples collected from the storm-water retention pond. All sample locations from the July 2007 field investigations presented on Figures 3 through 7 are based on the land survey results.

4.0 RESULTS OF ADDITIONAL SITE-WIDE CHARACTERIZATION

Results from investigations conducted in AOCs #2, #4, #7, and #8 and in the storm water retention pond (AOC #6) during July 2007 are summarized and discussed below. All analytical results are summarized in Tables 2 through 14, based on laboratory-certified analytical reports included in Appendix B. Soil boring logs for temporary soil borings are included in Appendix C. Analytical results for TPHd, TPHmo, and TPHg are presented on Figures 3 through 7.

All analytical results were compared to RWQCB ESLs for shallow or deep soils beneath commercial/industrial land use areas (RWQCB 2005). The ESLs are included in the summary tables. Compounds detected at concentrations that exceed the ESLs are highlighted in the tables and on the figures.

In general, the primary compounds detected in soil samples are TPHd and TPHmo. No other organic compounds, including TPHg, VOCs, BTEX, fuel oxygenates, lead

scavengers, SVOCs, pesticides, PCBs, or SVOCs, were detected in any soil or sediment samples. Although several metals were detected, only arsenic, cobalt, and chromium were detected at concentrations that exceeded the ESLs. One or more of these three metals were detected in shallow samples collected from AOCs #3, #6, and #7. However, the detected concentrations of these three metals are well within the reported ranges for naturally occurring metals for the San Francisco Bay Area, based on the report entitled "Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory (LBNL)," prepared by LBNL in June 2002. Based on the LBNL study, natural background ranges for arsenic, cobalt, and chromium in San Francisco Bay Area soils can be defined as follows (arithmetic mean plus or minus the standard deviation):

- Arsenic: 0.1 to 10.9 milligrams per kilogram (mg/Kg)
- Cobalt: 9.2 to 18.8 mg/Kg
- Chromium: 32 to 84 mg/Kg

Similarly, the primary compounds detected in grab groundwater samples are TPHd and TPHmo. With one exception, TPHg, BTEX, fuel oxygenates, and lead scavengers were not detected above laboratory reporting limits; toluene was detected in one grab groundwater sample at a concentration below the ESL. Several VOCs were detected in a grab groundwater sample collected from AOC #8, but none of these concentrations exceeded the ESLs. Several metals were detected in the surface-water sample, but no concentrations exceeded the ESLs.

4.1 Idle Truck Maintenance Area (AOC #2)

Predominantly fine-grained sediments (silts and clays) were encountered in soil borings EB-31(A), EB-31(B), and EB-31(C) (Figure 3). In soil boring EB-31(B), fine-grained sediments were encountered to approximately 62 feet bgs, below which relatively coarse-grained sediments (clayey gravel with sand) were encountered to the total depth of the soil boring (approximately 70 feet bgs). No evidence of petroleum-affected soil or groundwater was identified during drilling of these three soil borings.

TPHd and TPHmo were detected in several soil samples at concentrations significantly below their respective ESLs (100 mg/Kg for TPHd and 1,000 mg/Kg for TPHmo; Table 2A and Figure 3). All concentrations of TPHd and TPHmo were qualified by the laboratory, indicating that the hydrocarbons detected in the soil samples did not resemble TPHd or TPHmo; as noted by the laboratory, hydrocarbons detected generally were heavier than TPHd and lighter than TPHmo. Heavier hydrocarbons such as TPHmo typically consist of longer carbon chain hydrocarbons (C10 to C24) while lighter hydrocarbons such as TPHd typically consist of shorter chain hydrocarbons (C24 to C36). The laboratory qualifiers indicate that the detected concentrations do not resemble standards for TPHd and TPHmo.

At soil boring EB-31(B), groundwater was first encountered between 65 and 70 feet bgs. After drilling was completed, the depth to groundwater was measured at approximately 64.8 feet bgs. Continuous soil cores were collected from soil boring EB-31(B) from the ground surface to approximately 21.5 feet bgs, after which sediments were logged from auger cuttings because recovery was poor and continuous soil sampling was not required (the primary objective for drilling deeper than approximately 20 feet bgs at this location was to collect a grab groundwater sample). Petroleum hydrocarbons, VOCs including BTEX, fuel oxygenates, and lead scavenger compounds were not detected above the laboratory reporting limits in samples collected in this area (Tables 8A, 8B, and 9).

Based on the results from soil borings EB-31(A), EB-31(B), and EB-31(C), this area has been sufficiently characterized laterally and vertically. The potential petroleum hydrocarbon contamination identified in the 10-foot samples from former soil boring EB-31 appears to be limited to a localized area and depth. Groundwater does not appear to have been affected by petroleum hydrocarbons detected in soil in this area.

4.2 Heavy Equipment Maintenance and Wash Rack Area, and PEC Identified by Former Soil Boring EB-35 (AOC #3)

4.2.1 Wash Rack and Lube Shed Area

Soil boring B-1(A) was advanced in the vicinity of the lube shed to a total depth of 70 feet bgs (Figure 4). Predominantly fine-grained sediments (clays) were encountered from approximately 3 to 34 feet bgs. Predominantly coarser-grained sediments (sands and gravels) were encountered between 34 feet bgs and the total depth of the boring (70 feet bgs). No evidence of petroleum-affected soil was identified during drilling, with the exception of a slightly elevated PID reading at approximately 35 feet bgs. Only TPHmo was detected in the depth-discrete soil samples collected from boring B-1(A), in the sample collected from approximately 9.5 feet bgs at a low concentration just above the laboratory reporting limit. Several metals were detected above laboratory reporting limits, but none were detected at concentrations above the ESLs.

A grab groundwater sample was collected from soil boring B-1(A) at approximately 68 feet bgs. TPHmo was detected in this sample at a concentration of 1,100 micrograms per liter (μg/L), slightly above the ESL of 1,000 μg/L for TPHmo (Table 8A and Figure 4). The laboratory qualified the TPHmo result, stating that "hydrocarbons heavier than TPHmo contributed to the result." TPHd was detected at a concentration of 76 μg/L, and that result was also qualified by the laboratory; the TPHd detection was below the ESL for TPHd (100 μg/L; Table 8A). The only VOC detected in the grab groundwater sample was acetone, which was detected at a concentration of 10 μg/L. This concentration is well below the ESL of 1,500 μg/L for acetone (Table 9). Because acetone is a common laboratory contaminant and has not been detected in any other samples collected, this low acetone concentration may be associated with laboratory contamination. No other compounds were detected above

laboratory reporting limits for the grab groundwater sample collected from soil boring B-1(A) (Tables 8A, 8B, and 9).

4.2.2 PEC Identified by Former Soil Boring EB-35

In the four soil borings (EB35(A), EB35(B), EB35(C), and (EB35(D)) advanced in the vicinity of former boring EB-35, primarily gravels and/or sands were encountered from ground surface to approximately 3 to 5 feet bgs (Figure 4). Sediments below approximately 3 to 5 feet bgs were comprised of fine-grained material (silts and clays) to the total depth of the soil borings. In each soil boring except for EB-35(C), a black petroleum product was observed between approximately 2.5 and 4 feet bgs. The product was observed to be dry, similar to asphalt concrete, with a trace of oil (see soil boring log in Appendix C). It is assumed that this petroleum product is the same material that was sampled at soil boring EB-35 from approximately 2 feet bgs, which resulted in TPHd and TPHmo concentrations that exceeded the ESLs (Figure 4). TPHd and TPHmo were detected in the soil samples collected from approximately 5 feet bgs in borings EB-35(A), EB-35(B), and EB-35(D) (Table 2A and Figure 4). TPHd concentrations ranged from 38 to 160 mg/Kg, and TPHmo concentrations ranged from 540 to 3,600 mg/Kg. Only the 5-foot sample from boring EB-35(B) contained TPHd and TPHmo concentrations that exceeded the ESLs. All results were qualified by the laboratory as containing heavier hydrocarbons than the standards for TPHd and TPHmo.

TPHd and TPHmo were not detected above laboratory reporting limits in any of the soil samples collected from approximately 10 feet bgs, with the exception TPHmo detected at a low qualified concentration of 5.2 mg/Kg in a sample collected from boring EB-35(A) (Table 2A and Figure 4).

A grab groundwater sample was collected from former boring EB-35 by ENV in January 2007 from approximately 68 feet bgs. TPHd, TPHmo, and TPHg were not detected above laboratory reporting limits (Figure 4).

In general, analytical results for soil samples collected from soil borings EB-35(A) through EB-35(D) indicate that the lateral extent of petroleum-affected soil may extend farther south than the location of soil boring EB-35(B). However, the petroleum-affected soil appears to be limited to shallow soil (approximately less than 4 or 5 feet bgs), the petroleum product appears to be dry and not mobile, and groundwater quality has not been affected. LFR does not recommend that any additional subsurface investigations be conducted in this area. It is LFR's understanding that this property will be developed for commercial/industrial land use by Legacy. LFR recommends that, if affected soil is identified during the redevelopment of this area, the material should be removed as necessary.

4.3 PEC Identified by Former Soil Boring SS-31 (AOC #7)

Predominantly fine-drained sediments (clays and some silts) were encountered from ground surface to approximately 41 to 43 feet bgs in soil borings SS 31(C) and SS-31(D), to approximately 50 feet bgs in boring SS-31(B), and to approximately 65 feet bgs in boring SS-31(A) (Figure 6). Relatively coarser-grained sediments (gravels and some sands) were encountered below the fine-grained sediment to the total depth of each soil boring. Groundwater was encountered at approximately 66 feet bgs at each soil boring location. Visual observations identified the potential presence of petroleum hydrocarbons in soil samples from only soil boring SS-31(A), between approximately 52 and 53 feet bgs; however, the PID did not register a response. At soil boring SS-31(C), elevated PID readings were noted during field screening of the soil cores collected from the ground surface to approximately 35 feet bgs; however, no visual or olfactory evidence of petroleum-affected soil was noted. It is possible that the PID instrument was responding to organic matter that may have been present in the sediment or that the PID was malfunctioning.

TPHd and/or TPHmo were detected at low concentrations (approximately less than 35 mg/Kg for TPHd and less than 160 mg/Kg for TPHmo) in one soil sample collected from boring SS-31(A) (from approximately 2 feet bgs), in all soil samples collected from boring SS-31(B), and in three samples collected from borings SS-31(C) and SS-31(D) (Table 2A and Figure 6). Except for metals, no other compounds analyzed were detected above laboratory reporting limits for the soil samples collected from these soil borings (Tables 2A, 2B, 3, 4, 5, and 6). Several metals were detected above laboratory reporting limits; however, only three metals (arsenic, cobalt, and chromium) were detected at concentrations that exceeded the ESLs for these metals (Table 7). As noted in Section 4.0, the detected concentrations are well within the ranges of natural background concentrations for soils in the San Francisco Bay area.

The grab groundwater samples collected from each of the four soil borings did not contain any compounds above their laboratory reporting limits (Tables 8A, 8B, and 9).

Based on the field investigation and analytical results, the lateral and vertical extent of potential petroleum contamination previously identified in two samples collected from former soil boring SS-31 appears limited in extent to the immediate vicinity of former boring SS-31. It should be noted that the two soil samples from former boring SS-31, in which elevated TPHd and TPHmo concentrations were detected from approximately 2 and 40 feet bgs, resulted in nearly identical TPHd and TPHmo concentrations, and that the three soil samples collected from approximately 10, 20, and 30 feet bgs did not contain TPHd or TPHmo above laboratory reporting limits other than low concentrations of TPHd and TPHmo detected in the 10-foot sample. These results raise the question as to whether a field or a laboratory error could explain the presence of TPHd and TPHmo in the sample collected from 40 feet bgs. In any event, the analytical results from the 37 depth-discrete soil samples and the four grab groundwater samples collected from soil borings SS-312(A) through SS-31(D) confirm that, if there is any potential hydrocarbon contamination in this area, it is limited in extent both

vertically and laterally. LFR does not recommend any additional subsurface investigations for the vicinity of former soil boring SS-31.

4.4 PEC Identified by Former Soil Boring SS-123 (AOC #8)

4.4.1 Temporary Soil Boring SS-123(AA)

Soil boring SS-123(AA) was located approximately adjacent to the original soil boring SS-123 (Figure 7) and was advanced to approximately 20 feet bgs. Continuous soil cores were collected although soil recovery was less than 50% from ground surface to approximately 10 feet bgs. LFR encountered predominantly fine-grained sediment (clay or silt) from just below ground surface to the total depth of the soil boring. Petroleum hydrocarbon material described as hard black asphalt concrete (asphalt bound with gravel and sand, pieces up to 2-1/2 inches in diameter, no odor) was observed at approximately 7.5, 12.5, and 15.5 feet bgs. In addition, concrete material was encountered between approximately 14.5 and 15 feet bgs. Groundwater was encountered at approximately 16 feet bgs during drilling and was measured to be at approximately 15.6 feet bgs after the total depth of 20 feet bgs was reached.

Depth-discrete soil samples were collected from soil boring SS-123(AA) for TPHd and TPHmo analyses from approximately 5.5, 7.5, 10.5, and 15.5 feet bgs, and from 18 feet bgs, which was below the apparent water table. A grab groundwater sample also was collected from this soil boring for TPHd and TPHmo analyses. TPHd and TPHmo were detected in each of the soil samples, but only the soil sample collected from approximately 18 feet bgs (below the water table) contained TPHd and TPHmo at concentrations above the ESLs (Table 2A and Figure 7). The grab groundwater sample collected from this soil boring also contained TPHd and TPHmo at concentrations that exceeded the ESLs for TPHd and TPHmo (Table 8A).

4.4.2 Temporary Soil Borings SS-123(F1) through SS-123(F3)

Soil borings SS-123(F1), SS-123(F2), and SS-123(F3) were located approximately 75 feet east, south, and west, respectively, of former boring SS-123(F) (Figure 7). These three soil borings were advanced to approximately 30 feet bgs. As noted on the soil boring logs in Appendix C, significant intervals of concrete or cement materials were encountered in each of the three soil borings. Depth-discrete soil samples and a grab groundwater sample were collected from each soil boring and analyzed for TPHd and TPHmo (Table 1). The grab groundwater samples also were analyzed for TPHg, VOCs, BTEX, fuel oxygenates, and lead scavengers (Table 1).

In soil boring SS-123(F1), concrete or cement material was encountered (and mostly ground to powder during drilling) between approximately 9 and 15 feet bgs and again between approximately 18 and 25 feet bgs. Fine-grained sediments were encountered from ground surface to approximately 9 feet bgs (gravelly silt) and from approximately 25 feet bgs to the total depth of the boring (clay). No evidence of petroleum

hydrocarbon was observed during field screening. Depth to groundwater was measured to be approximately 21 feet bgs after drilling was completed. Depth-discrete soil samples for laboratory analyses were collected from approximately 5 and 15 feet bgs, and a grab groundwater sample was collected.

In soil boring SS-123(F2), silty gravel and gravelly silt were encountered from ground surface to approximately 15 feet bgs, and mostly concrete or cement material was encountered from approximately 16.5 feet bgs to the total depth of the boring, resulting in relatively poor sample recovery (less than 25%). No evidence of petroleum hydrocarbon was observed during field screening. Depth to groundwater was measured to be approximately 26 feet bgs after drilling was completed. Depth-discrete soil samples were collected from 6, 10, 17, and 21 feet bgs, and a grab groundwater sample was collected.

In soil boring SS-123(F3), predominantly fine-grained sediments were encountered (clays or silts). Concrete or cement material was identified between approximately 7 and 10 feet bgs, a significantly shorter interval than was encountered in nearby soil borings SS-123(F1) and SS-123(F2). The depth to groundwater was measured at approximately 27 feet bgs after drilling was completed. Depth-discrete soil samples were collected from approximately 5, 10, 15, 20, and 25 feet bgs, and a grab groundwater sample was collected.

With one exception, TPHd and TPHmo were detected above laboratory reporting limits in all soil and grab groundwater samples collected from soil borings SS-123(F1) through SS-123(F3) (Table 2A). These compounds were not detected in the soil sample collected from approximately 20 feet bgs from boring SS-123(F3). For soil samples, all reported TPHd and TPHmo concentrations were below the ESLs (Table 2A).

For grab groundwater samples, the reported TPHd and TPHmo concentrations exceeded the ESLs only in the grab groundwater sample collected from boring SS-123(F2) (Table 8A). Other than TPHd and TPHmo, several VOCs were detected at low concentrations ranging between the detection limit to 4.6 μg/L in the grab groundwater sample collected from boring SS-123(F2) (Tables 8A and 9). None of these VOC concentrations exceeded the ESLs, and no other compounds were detected. The VOCs detected in the grab groundwater sample from boring SS-123(F2) are associated with the elevated TPHd and TPHmo concentrations detected in this sample.

4.4.3 Investigation Results for the SS-123 Area

A review of analytical results for the SS-123 area shows that the lateral extent of petroleum-affected soil has been adequately characterized to the north, east, south, and west (Figure 7). The lateral extent of petroleum-affected groundwater has been adequately characterized to the west, north, and east, but not to the south. The analytical results for the grab groundwater sample collected from the southernmost soil boring, SS-123(F2), indicate the presence of TPHd and TPHmo concentrations that exceed the ESLs. Additional step-out grab groundwater sample locations will be

necessary to further characterize the extent of petroleum-affected groundwater to the south of former boring SS-123(F2).

The potential source of the petroleum hydrocarbon in groundwater in this area has not been characterized. ENV has concluded that the source of contamination in this area is a historical mining pit that was filled in with debris and sediment. In addition, ENV also concluded that the groundwater encountered in the SS-123 area is perched on relatively less permeable fill material or sediment. All investigations conducted in the SS-123 area have shown that groundwater is encountered at significantly shallower depths than in other areas of the Site. However, the presence of a perched groundwater interval has not been confirmed by investigations conducted to date.

4.5 Surface Sediment and Water Samples from the Storm-Water Retention Pond (AOC #6)

Analytical results for the four sediment samples (SED1 through SED4) collected from the storm-water retention pond are summarized in Tables 2A and 7, and sample locations are presented on Figure 5. TPHd and TPHmo were detected in each sediment sample, with the exception of the southeasternmost sediment sample (SED-1) in which TPHd was not detected above laboratory reporting limits (Figure 5). Only sample SED-3 contained a TPHd concentration that was equivalent to the ESL and therefore was highlighted in Table 2A as exceeding the ESL. Several metals were detected above the laboratory reporting limits, but, with only one exception, detected concentrations were below the ESL. Cobalt was detected in sample SED-4 at a concentration of 10 mg/Kg, which is equivalent to the ESL. As noted in Section 4.0, the concentration of cobalt detected in this sample is within the range of natural background concentrations for soil in the San Francisco Bay Area.

Analytical results for the composite surface-water sample (PW-2) are presented in Tables 8A, 8B, 9, and 10 and Figure 5. No petroleum hydrocarbons or VOCs were detected above laboratory reporting limits in the surface-water sample. Four metals were detected, but all at concentrations significantly less than the ESLs.

Based on the analytical results for the sediment and surface-water samples collected by LFR, there does not appear to be a significant impact to the storm-water retention pond from storm-water runoff from nearby properties. The elevated TPHd and TPHmo concentrations detected in the sediment and the pond water samples previously collected by B&C (Figure 5; B&C 2006b) were not confirmed. LFR does not recommend any additional investigations for the storm-water retention pond area.

5.0 SAMPLING OF EXISTING GROUNDWATER MONITORING WELLS

5.1 Wells Sampled and Sampling Methodology

5.1.1 Well TW-5

In accordance with the scope of work described in the Work Plan, LFR searched for missing groundwater monitoring well 3S/1E 14D1 (also known as well TW-5), reportedly installed approximately near the southwestern corner of Cope Pond. The date of installation and well construction information has not been included in the records kept by Zone 7. Zone 7 records indicate that the well could not be located in 1984 and was located in 2003. Verbally, Zone 7 stated that the well could not be found. According to Zone 7 records, this well is reported to be 103 feet deep.

LFR successfully located well TW-5 on July 12, 2007, during a site reconnaissance effort. The well was found to be in good condition with a 2-inch-diameter PVC well casing inside a 4-inch-square metal above-grade protective well box. LFR measured the depth to groundwater in the well to be 53.2 feet TOC and the total depth of the well to be approximately 110.7 feet TOC. On July 12, 2007, LFR purged and sampled well TW-5 using a disposable bailer. Purge water was disposed of on the ground surface in the vicinity of the well. Water-quality parameters were monitored during well purging and were recording on a field sheet (Appendix D). Purging was completed once water-quality parameters stabilized and at least three casing volumes were removed. Approximately 28 gallons of groundwater were purged from the well, equivalent to approximately three casing volumes. Groundwater samples collected from the well using the disposable bailer were poured into clean, laboratory-provided sample containers, properly labeled, and placed into an ice-chilled cooler for transport to the laboratory under chain-of-custody protocol. The samples were analyzed by C&T for TPHd, TPHmo, TPHg, VOCs, BTEX, fuel oxygenates, and lead scavengers.

5.1.2 Additional Monitoring Wells Sampled

On July 12, 2007, Hanson received a request from ENV (on behalf of Legacy) to collect samples from four existing wells (monitoring or water supply) located on or near the Hanson property. LFR, Hanson, and ENV together identified four existing groundwater monitoring wells to be sampled, namely: 3S/1E 14D1, 3S/1E 10D8, 3S/1E 10K2, and 3S/1E 10N3 (Figure 8). ENV requested that samples from each well be analyzed for TPHd, TPHmo, TPHg, VOCs, BTEX, fuel oxygenates, lead scavengers, SVOCs, and dissolved metals. One of the wells requested to be sampled was TW-5 (3S/1E 14D1), which LFR had already sampled. Fortunately, LFR had collected sufficient sample volume to request the laboratory to analyze the samples for the additional compounds requested by ENV.

At Hanson's request, LFR coordinated with Zone 7 to identify and gain access to the remaining three groundwater monitoring wells proposed to be sampled. LFR

subcontracted Blaine Tech Environmental Services ("Blaine Tech"), an environmental field services consultant from San Jose, California, to purge the three remaining groundwater monitoring wells on July 25, 2007. A summary of known or estimated well details is provided in the table below.

Well ID	Approximate Location	Well Diameter (inches)	Total Depth (Zone 7 Records) (feet bgs)	Well Screen Interval (Zone 7 Records) (feet bgs)	Depth to Groundwater on July 12 or July 25, 2007 (feet TOC)
3S/1E 14D1 (TW-5)	Southwestern corner of Cope Pond	2	103	Unknown	53.20
3S/1E 10D8	North of Lake I	2	215	190 – 210	56.32
3S/1E 10K2	Northwestern corner of Cope Pond	4	590.6	Unknown	55.50
3S/1E 10N3	South of Lake I	2	195	170 - 190	56.80

Blaine Tech used a 2-inch-diameter Rediflo electric submersible pump in the 2-inch-diameter wells and a 2-inch-diameter Grunfos pump in the 4-inch-diameter well to purge approximately three casing volumes from each of the three wells. Water-quality parameters were monitored and recorded on field sheets (Appendix D). Purging was completed once water-quality parameters stabilized and at least three casing volumes were removed. Purge water was temporarily contained in a plastic tank (estimated to be 500 gallons) on a trailer and was them disposed of in Cope Pond, in agreement with Zone 7 and Hanson. Approximately 75 gallons of purge water were removed from well 3S/1E 10D8, 1,043 gallons from well 3S/1E 10K2, and 64.5 gallons from well 3S/1E 10N3. After purging was completed at each well, groundwater samples were collected using a single-use disposal bailer. At ENV's request, a blind duplicate groundwater sample was collected from well 3S/1E 10K2. The blind duplicate sample was labeled "MW-10." As an additional quality assurance/quality control (QA/QC) measure, a trip blank sample was collected and analyzed for selected VOCs.

Groundwater samples were poured into clean, laboratory-provided sample containers, properly labeled, and placed into an ice-chilled cooler for transport to the laboratory under chain-of-custody protocol. The samples were analyzed by C&T for TPHd, TPHmo, TPHg, VOCs, BTEX, fuel oxygenates and lead scavengers, SVOCs, and dissolved metals.

5.2 Analytical Results

Analytical results for groundwater samples collected from the four existing groundwater monitoring wells are summarized in Tables 11A, 11B, 12, 13, and 14. Analytical results for TPHd, TPHmo, and TPHg also are presented on Figure 8.

Petroleum hydrocarbon-related compounds were not detected above laboratory reporting limits in any of the groundwater monitoring wells sampled, including TPHd, TPHmo, TPHg, BTEX, fuel oxygenates, and lead scavengers. In addition, VOCs were not detected in any of the groundwater samples, although the VOC bromomethane was detected at an estimated concentration below the laboratory reporting limit in the trip blank sample (Table 12). Because this compound was not detected in any of the groundwater samples, no QA/QC problems were noted. The groundwater sample collected from well 3S/1E 10D8 did contain a low concentration of one SVOC; bis(2-ethylhexyl)phthalate was detected at a concentration of 25 μg/L. This concentration exceeded the ESL for this compound (4 μg/L). Bis(2-ethylhexyl)phthalate is a plasticizer commonly associated with PVC and other plastics. This compound also is a known laboratory contaminant. The laboratory did not identify any evidence of laboratory contamination from this compound during the period that these groundwater samples were analyzed. The well casing for well 3S/1E 10D8 is made of PVC. It is possible that the presence of this SVOC may be due to the well casing and/or to the plastic tubing or fittings used to purge the well. Because no known use of plasticizers is associated with facilities and manufacturing processes historically present at the Site, it is assumed that this detection is not associated with historical industries. LFR recommends the re-sampling of this well to confirm this SVOC detection.

A few dissolved metals were detected above laboratory report limits, although, with only one exception, none of the detections exceeded the ESLs (Table 14). Dissolved mercury was detected in the groundwater sample collected from well 3S/1E 10D8 at a concentration of 0.63 μg/L, which is above the ESL for mercury (0.012 μg/L). No potential source of mercury has been identified, and mercury was not detected in any of the other groundwater samples. LFR also recommends the re-sampling of this well to confirm this detection.

6.0 SUMMARY AND RECOMMENDATIONS

6.1 Summary

The investigations conducted during July 2007 consisted of advancing a total of 16 temporary soil borings in AOCs #2, #4, #7, and #8, to depths ranging from approximately 10 to 70 feet bgs. The soil borings were advanced to collect continuous cores for lithologic logging and depth discrete soil samples and grab groundwater samples for laboratory analyses. Shallow sediment and surface-water samples were collected from the storm-water retention pond in AOC #6 for laboratory analyses. In

addition, four existing groundwater monitoring wells were sampled for laboratory analyses. All investigation and analytical results were presented and discussed in this report.

The primary compounds of concern at the Site are TPHd and TPHmo. No other organic compounds were detected, including TPHg, VOCs, BTEX, fuel oxygenates, lead scavengers, SVOCs, pesticides, PCBs, and SVOCs, in any soil samples collected from soil borings or samples collected from the storm-water retention pond. With one exception, none of these compounds were detected in any grab groundwater samples collected from the soil borings. Several VOCs were detected in one grab groundwater sample collected from the SS-123 area; however, concentrations were low and well below the ESLs.

Several metals were detected in soil or water samples, although only arsenic, cobalt, and chromium were detected in soil samples at concentrations that exceeded the ESLs. However, the metals concentrations that exceeded the ESLs are well within the concentration ranges published for naturally occurring metals detected in soils in the San Francisco Bay Area (LBNL 2002).

Groundwater samples collected from the existing monitoring wells did not contain organic compounds detected at concentrations above laboratory limits, with the exception of one SVOC. The compound bis(2-thylhexyl)phthalate was detected in one groundwater well sample at a concentration that exceeded the ESL. This compound is a known laboratory contaminant and a plasticizer commonly associated with PVC and other plastics. This same sample also contained dissolved mercury at a concentration greater than the ESL.

6.1 Recommendations

Results from investigations conducted by LFR during July 2007, evaluated in conjunction with results from previous investigations, indicate that AOCs #2, #6, and #7 have been sufficiently characterized. LFR does not recommend any additional investigations be conducted in these areas.

Additional subsurface investigations may be required in AOC #3 to confirm the analytical results for the grab groundwater sample collected from soil boring B-1(A) in which TPHmo was detected at a concentrations that exceeded the ESL. However, soil samples and a grab groundwater sample collected from less than 200 feet away from soil boring B-1(A) indicate that the petroleum hydrocarbon-affected soil (or groundwater) at this AOC is not a widespread problem.

LFR recommends that additional subsurface investigations be conducted in AOC #8 (SS-123 area) to further characterize the lateral extent of petroleum-affected groundwater south of soil boring SS-123(F2). Based on the results of the soil and groundwater samples collected in the SS-123 area, soil and groundwater quality has

been sufficiently characterized laterally to the west, north, and east. Previous consultants have concluded that groundwater in this area may be perched; the presence of a perched groundwater zone has not been confirmed.

To confirm the SVOC and dissolved mercury concentrations detected in the groundwater sample collected from existing monitoring well 3S/1E 10D8 located north of Lake I, LFR recommends re-sampling the well.

7.0 LIMITATIONS

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by LFR and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that LFR relied upon any information prepared by other parties not under contract to LFR, LFR makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigations or testing and any findings presented in this report apply solely to conditions existing at the time when LFR's investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the Site may vary from those at the locations where data were collected. LFR's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in environmental investigation conclusions cannot reasonably be achieved.

LFR, therefore, does not provide any guarantees, certifications, or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

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Table 1 - Sample Matrix
Samples from Temporary Soil Borings, Storm-Water Pond, and Existing Groundwater Monitoring Wells
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	TPHd / TPHmo	TPHg	VOCs	BTEX	Fuel Ox	Lead Scav	Pest	PCBs	SVOCs	Metals
Depth Discrete Soil Samples from Temporary Soil Borings															
AOC 3	B-1(A)-4.5	7/17/2007	4	4.5	soil	x	x	-	-	-	-	-	x	x	x
AOC 3	B-1(A)-9.5	7/17/2007	9	9.5	soil	x	x	-	-	-	-	-	x	x	x
AOC 3	B-1(A)-35	7/17/2007	34.5	35	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	B-1(A)-36.5	7/17/2007	36	36.5	soil	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-5.5	7/17/2007	5	5.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-10.5	7/17/2007	10	10.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-15.5	7/17/2007	15	15.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-20.5	7/17/2007	20	20.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-5.5	7/16/2007	5	5.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-10.5	7/16/2007	10	10.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-15.5	7/16/2007	15	15.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-20.5	7/16/2007	20	20.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(C)-5	7/16/2007	4.5	5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(C)-10.5	7/16/2007	10	10.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(C)-15.5	7/16/2007	15	15.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(C)-20	7/16/2007	20	20.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(A)-3	7/17/2007	2.5	3	soil	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(A)-4	7/17/2007	3.5	4	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(A)-9.5	7/17/2007	9	9.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(B)-2.5	7/17/2007	2	2.5	soil	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(B)-5	7/17/2007	4.5	5	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(B)-9	7/17/2007	8.5	9	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(C)-2.5	7/18/2007	2	2.5	soil	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(C)-5.5	7/18/2007	5	5.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(C)-10.5	7/18/2007	10	10.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(D)-2.5	7/18/2007	2	2.5	soil	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(D)-5.5	7/18/2007	5	5.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(D)-9.5	7/18/2007	9	9.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-5.5	7/18/2007	5	5.5	soil	x	x	-	x	x	x	x	x	x	x
AOC 7	SS-31(A)-10.5	7/18/2007	10	10.5	soil	x	x	-	x	x	x	x	x	x	x
AOC 7	SS-31(A)-15.5	7/18/2007	15	15.5	soil	x	x	-	x	x	x	-	-	-	-

Table 1 - Sample Matrix
Samples from Temporary Soil Borings, Storm-Water Pond, and Existing Groundwater Monitoring Wells
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	TPHd / TPHmo	TPHg	VOCs	BTEX	Fuel Ox	Lead Scav	Pest	PCBs	SVOCs	Metals
AOC 7	SS-31(A)-20.5	7/18/2007	20	20.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(A)-25.5	7/18/2007	25	25.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(A)-30.5	7/18/2007	30	30.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(A)-40.5	7/19/2007	40	40.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(A)-50.5	7/19/2007	50	50.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(A)-52.5	7/19/2007	52	52.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(A)-60.5	7/19/2007	60	60.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(A)-65.5	7/19/2007	65	65.5	soil	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-5.5	7/19/2007	5	5.5	soil	x	x	-	x	x	x	x	x	x	x
AOC 7	SS-31(B)-10.5	7/19/2007	10	10.5	soil	x	x	-	x	x	x	x	x	x	x
AOC 7	SS-31(B)-15.5	7/19/2007	15	15.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(B)-20.5	7/19/2007	20	20.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(B)-25.5	7/19/2007	25	25.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(B)-30.5	7/19/2007	30	30.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(B)-40	7/19/2007	39.5	40	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(B)-50	7/19/2007	49.5	50	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(B)-60.5	7/19/2007	60	60.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(C)-5.5	7/20/2007	5	5.5	soil	x	x	-	x	x	x	x	x	x	x
AOC 7	SS-31(C)-10.5	7/20/2007	10	10.5	soil	x	x	-	x	x	x	x	x	x	x
AOC 7	SS-31(C)-15.5	7/20/2007	15	15.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(C)-19.5	7/20/2007	19	19.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(C)-25.5	7/20/2007	25	25.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(C)-30	7/20/2007	29.5	30	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(C)-40	7/20/2007	39.5	40	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(C)-51	7/20/2007	50.5	51	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(C)-60.5	7/20/2007	60	60.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(C)-67.5	7/20/2007	67	67.5	soil	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-5.5	7/20/2007	5	5.5	soil	x	x	-	x	x	x	x	x	x	x
AOC 7	SS-31(D)-10.5	7/20/2007	10	10.5	soil	x	x	-	x	x	x	x	x	x	x
AOC 7	SS-31(D)-15	7/20/2007	14.5	15	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(D)-19.5	7/20/2007	19	19.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(D)-25	7/23/2007	24.5	25	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(D)-30	7/23/2007	29.5	30	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(D)-40	7/23/2007	39.5	40	soil	x	x	-	x	x	x	-	-	-	-

Table 1 - Sample Matrix
Samples from Temporary Soil Borings, Storm-Water Pond, and Existing Groundwater Monitoring Wells
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	TPHd / TPHmo	TPHg	VOCs	BTEX	Fuel Ox	Lead Scav	Pest	PCBs	SVOCs	Metals
AOC 7	SS-31(D)-50.5	7/23/2007	50	50.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 7	SS-31(D)-60.5	7/23/2007	60	60.5	soil	x	x	-	x	x	x	-	-	-	-
AOC 8	SS-123(AA)-5.5	7/24/2007	5	5.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-7.5	7/24/2007	7	7.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-10.5	7/24/2007	10	10.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-15.5	7/24/2007	15	15.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-18	7/24/2007	17.5	18	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F1)-5.5	7/23/2007	5	5.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F1)-15.5	7/23/2007	15	15.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-6	7/23/2007	5.5	6	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-11.5	7/23/2007	11	11.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-16.5	7/23/2007	16	16.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-21	7/24/2007	20.5	21	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-5.5	7/24/2007	5	5.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-10.5	7/24/2007	10	10.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-15.5	7/24/2007	15	15.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-20.5	7/24/2007	20	20.5	soil	x	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-25.5	7/24/2007	25	25.5	soil	x	-	-	-	-	-	-	-	-	-
Sediment Samples from Storm-Water Retention Pond															
AOC 6	SED-1	7/13/2007	0	0.5	soil	x	-	-	-	-	-	-	-	-	x
AOC 6	SED-2	7/13/2007	0	0.5	soil	x	-	-	-	-	-	-	-	-	x
AOC 6	SED-3	7/13/2007	0	0.5	soil	x	-	-	-	-	-	-	-	-	x
AOC 6	SED-4	7/13/2007	0	0.5	soil	x	-	-	-	-	-	-	-	-	x

Table 1 - Sample Matrix
Samples from Temporary Soil Borings, Storm-Water Pond, and Existing Groundwater Monitoring Wells
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	TPHd / TPHmo	TPHg	VOCs	BTEX	Fuel Ox	Lead Scav	Pest	PCBs	SVOCs	Metals
Grab Groundwater Samples from Temporary Soil Borings															
AOC 3	B-1(A)-GGW	7/18/2007	~ 67.6	~ 67.6	water	x	x	x	x	x	x	-	-	-	-
AOC 2	EB-31(B)-GGW	7/16/2007	~ 64.8	~ 64.8	water	x	x	x	x	x	x	-	-	-	-
AOC 7	SS-31(A)-GGW	7/19/2007	~ 65.2	~ 65.2	water	x	x	x	x	x	x	-	-	-	-
AOC 7	SS-31(B)-GGW	7/20/2007	~ 66	~ 66	water	x	x	x	x	x	x	-	-	-	-
AOC 7	SS-31(C)-GGW	7/20/2007	~ 66	~ 66	water	x	x	x	x	x	x	-	-	-	-
AOC 7	SS-31(D)-GGW	7/23/2007	~ 66.8	~ 66.8	water	x	x	x	x	x	x	-	-	-	-
AOC 8	SS-123(AA)-GGW	7/24/2007	~15.7	~15.7	water	x	x	x	x	x	x	-	-	-	-
AOC 8	SS-123(F1)-GGW	7/23/2007	~ 20.8	~ 20.8	water	x	x	x	x	x	x	-	-	-	-
AOC 8	SS-123(F2)-GGW	7/24/2007	~ 25.8	~ 25.8	water	x	x	x	x	x	x	-	-	-	-
AOC 8	SS-123(F3)-GGW	7/24/2007	~ 26.9	~ 26.9	water	x	x	x	x	x	x	-	-	-	-
Grab Surface Water Sample from Storm-Water Retention Pond															
AOC 6	PW-2	7/13/2007	surface	surface	water	x	x	x	x	x	x	-	-	-	x
Groundwater Samples from Monitoring Wells															
3S/1E 14D1	TW-5	7/12/2007	~ 50	~ 50	water	x	x	x	x	x	x	-	-	x	x
3S/1E 10D8	3S/1E 10D8	7/25/2007	~ 200	~ 200	water	x	x	x	x	x	x	-	-	x	x
3S/1E 10K2	3S/1E 10K2	7/25/2007	~ 300	~ 300	water	x	x	x	x	x	x	-	-	x	x
3S/1E 10K2	MW-10 *	7/25/2007	~ 300	~ 300	water	x	x	x	x	x	x	-	-	x	x
3S/1E 10N3	3S/1E 10N3	7/25/2007	~ 180	~ 180	water	x	x	x	x	x	x	-	-	x	x
Trip Blank	TB-072507	7/25/2007	na	na	water	x	x	x	x	x	x	-	-	x	x

Notes:

AOC = area of concern

feet bgs = feet below ground surface

"~" = approximate sample depth

"1" = analyzed

"-" = not analyzed

na = not applicable

* MW-10 = blind duplicate of 3S/1E 10K2

TPHd = total petroleum hydrocarbons as diesel by EPA Method 8015 (after silica gel cleanup)

TPHmo = total petroleum hydrocarbons as motor oil by EPA Method 8015 (after silica gel cleanup)

TPHg = total petroleum hydrocarbons as gasoline by EPA Method 8015 (soil) and 8260 (water)

VOCs = volatile organic compounds by EPA Method 8260

BTEX = benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8260

Fuel Ox = fuel oxygenates by EPA Method 8260

Lead Scav = lead scavengers by EPA Method 8260

Pest = organochlorine pesticides by EPA Method 8081

PCBs = polychlorinated biphenyls by EPA Method 8082

SVOCs = semivolatile organic compounds by EPA Method 8270

Metals = CAM17 metals (total concentrations in soil samples; dissolved concentrations in water samples) by EPA Method 6010

Table 2A - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per kilogram (mg/Kg) or micrograms per kilogram (ug/Kg), as noted)

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Total Petroleum Hydrocarbons TPHd (mg/Kg)	TPHmo (mg/Kg)	TPHg (mg/Kg)	BTEX compounds B (ug/Kg)	T (ug/Kg)	E (ug/Kg)	m,p-X (ug/Kg)	o-X (ug/Kg)
AOC 3	B-1(A)-4.5	7/17/2007	4	4.5	soil	<1	<5	<1	-	-	-	-	-
AOC 3	B-1(A)-9.5	7/17/2007	9	9.5	soil	<1	**7.4 H**	<0.94	-	-	-	-	-
AOC 3	B-1(A)-35	7/17/2007	34.5	35	soil	<1	<5	-	-	-	-	-	-
AOC 3	B-1(A)-36.5	7/17/2007	36	36.5	soil	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-5.5	7/17/2007	5	5.5	soil	**1.3 HY**	**16 H**	-	-	-	-	-	-
AOC 2	EB-31(A)-10.5	7/17/2007	10	10.5	soil	**14 HY**	**170 H**	-	-	-	-	-	-
AOC 2	EB-31(A)-15.5	7/17/2007	15	15.5	soil	<0.99	<5	-	-	-	-	-	-
AOC 2	EB-31(A)-20.5	7/17/2007	20	20.5	soil	<1	<5	-	-	-	-	-	-
AOC 2	EB-31(B)-5.5	7/16/2007	5	5.5	soil	**1 HYZ**	<5	-	-	-	-	-	-
AOC 2	EB-31(B)-10.5	7/16/2007	10	10.5	soil	**1.9 HYZ**	<5	-	-	-	-	-	-
AOC 2	EB-31(B)-15.5	7/16/2007	15	15.5	soil	<0.99	**5.4 HL**	-	-	-	-	-	-
AOC 2	EB-31(B)-20.5	7/16/2007	20	20.5	soil	**2.3 HYZ**	**10 HL**	-	-	-	-	-	-
AOC 2	EB-31(C)-5	7/16/2007	4.5	5	soil	**8.2 HYZ**	**87 HL**	-	-	-	-	-	-
AOC 2	EB-31(C)-10.5	7/16/2007	10	10.5	soil	**2.3 HYZ**	<5	-	-	-	-	-	-
AOC 2	EB-31(C)-15.5	7/16/2007	15	15.5	soil	**1.5 HYZ**	<5	-	-	-	-	-	-
AOC 2	EB-31(C)-20.5	7/16/2007	20	20.5	soil	<1	<5	-	-	-	-	-	-
AOC 3	EB-35(A)-3	7/17/2007	2.5	3	soil	-	-	-	-	-	-	-	-
AOC 3	EB-35(A)-4	7/17/2007	3.5	4	soil	**48 HY**	**540 H**	-	-	-	-	-	-
AOC 3	EB-35(A)-9.5	7/17/2007	9	9.5	soil	<1	**5.2 H**	-	-	-	-	-	-
AOC 3	EB-35(B)-2.5	7/17/2007	2	2.5	soil	-	-	-	-	-	-	-	-
AOC 3	EB-35(B)-5	7/17/2007	4.5	5	soil	**160 HY**	**3,600 H**	-	-	-	-	-	-
AOC 3	EB-35(B)-9	7/17/2007	8.5	9	soil	<0.99	<5	-	-	-	-	-	-
AOC 3	EB-35(C)-2.5	7/18/2007	2	2.5	soil	-	-	-	-	-	-	-	-
AOC 3	EB-35(C)-5.5	7/18/2007	5	5.5	soil	<1	<5	-	-	-	-	-	-
AOC 3	EB-35(C)-10.5	7/18/2007	10	10.5	soil	<1	<5	-	-	-	-	-	-
AOC 3	EB-35(D)-2.5	7/18/2007	2	2.5	soil	-	-	-	-	-	-	-	-
AOC 3	EB-35(D)-5.5	7/18/2007	5	5.5	soil	**38 HY**	**810 H**	-	-	-	-	-	-
AOC 3	EB-35(D)-9.5	7/18/2007	9	9.5	soil	<0.99	<5	-	-	-	-	-	-
AOC 7	SS-31(A)-5.5	7/18/2007	5	5.5	soil	<0.99	**5.9 H**	<1	<4.9	<4.9	<4.9	<4.9	<4.9
AOC 7	SS-31(A)-10.5	7/18/2007	10	10.5	soil	<1	<5	<0.94	<4.7	<4.7	<4.7	<4.7	<4.7
AOC 7	SS-31(A)-15.5	7/18/2007	15	15.5	soil	<0.99	<5	<1.1	<4.8	<4.8	<4.8	<4.8	<4.8

Table 2A - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per kilogram (mg/Kg) or micrograms per kilogram (ug/Kg), as noted)

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Total Petroleum Hydrocarbons TPHd (mg/Kg)	TPHmo (mg/Kg)	TPHg (mg/Kg)	BTEX compounds B (ug/Kg)	T (ug/Kg)	E (ug/Kg)	m,p-X (ug/Kg)	o-X (ug/Kg)
AOC 7	SS-31(A)-20.5	7/18/2007	20	20.5	soil	<1	<5	<1	<4.6	<4.6	<4.6	<4.6	<4.6
AOC 7	SS-31(A)-25.5	7/18/2007	25	25.5	soil	<1	<5	<1	<4.8	<4.8	<4.8	<4.8	<4.8
AOC 7	SS-31(A)-30.5	7/18/2007	30	30.5	soil	<0.99	<5	<0.98	<5	<5	<5	<5	<5
AOC 7	SS-31(A)-40.5	7/19/2007	40	40.5	soil	<1	<5	<1	<4.8	<4.8	<4.8	<4.8	<4.8
AOC 7	SS-31(A)-50.5	7/19/2007	50	50.5	soil	<0.99	<5	<0.97	<4.6	<4.6	<4.6	<4.6	<4.6
AOC 7	SS-31(A)-52.5	7/19/2007	52	52.5	soil	<0.99	<5	<0.99	<4.7	<4.7	<4.7	<4.7	<4.7
AOC 7	SS-31(A)-60.5	7/19/2007	60	60.5	soil	<1	<5	<1	<4.5	<4.5	<4.5	<4.5	<4.5
AOC 7	SS-31(A)-65.5	7/19/2007	65	65.5	soil	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-5.5	7/19/2007	5	5.5	soil	**2.6 HYZ**	**11 H**	<1	<4.7	<4.7	<4.7	<4.7	<4.7
AOC 7	SS-31(B)-10.5	7/19/2007	10	10.5	soil	**6.2 HYZ**	**75 HL**	<0.99	<4.8	<4.8	<4.8	<4.8	<4.8
AOC 7	SS-31(B)-15.5	7/19/2007	15	15.5	soil	**1.2 YZ**	**6.3 H**	<0.96	<4.8	<4.8	<4.8	<4.8	<4.8
AOC 7	SS-31(B)-20.5	7/19/2007	20	20.5	soil	**6.4 YZ**	<5	<1	<4.6	<4.6	<4.6	<4.6	<4.6
AOC 7	SS-31(B)-25.5	7/19/2007	25	25.5	soil	**27 YZ**	<5	<0.97	<4.8	<4.8	<4.8	<4.8	<4.8
AOC 7	SS-31(B)-30.5	7/19/2007	30	30.5	soil	**32 YZ**	**5.4 HLZ**	<0.97	<4.5	<4.5	<4.5	<4.5	<4.5
AOC 7	SS-31(B)-40	7/19/2007	39.5	40	soil	**21 YZ**	<5	<1	<4.5	<4.5	<4.5	<4.5	<4.5
AOC 7	SS-31(B)-50	7/19/2007	49.5	50	soil	**17 YZ**	**160 YZ**	<1	<4.5	<4.5	<4.5	<4.5	<4.5
AOC 7	SS-31(B)-60.5	7/19/2007	60	60.5	soil	**9.2 YZ**	<5	<0.99	<4.9	<4.9	<4.9	<4.9	<4.9
AOC 7	SS-31(C)-5.5	7/20/2007	5	5.5	soil	**2 HYZ**	<5	<1	<5	<5	<5	<5	<5
AOC 7	SS-31(C)-10.5	7/20/2007	10	10.5	soil	<1	<5	<1	<4.5	<4.5	<4.5	<4.5	<4.5
AOC 7	SS-31(C)-15.5	7/20/2007	15	15.5	soil	<0.99	<5	<0.98	<4.5	<4.5	<4.5	<4.5	<4.5
AOC 7	SS-31(C)-19.5	7/20/2007	19	19.5	soil	**2.3 YZ**	<5	<0.97	<4.9	<4.9	<4.9	<4.9	<4.9
AOC 7	SS-31(C)-25.5	7/20/2007	25	25.5	soil	<1	<5	<1	<4.9	<4.9	<4.9	<4.9	<4.9
AOC 7	SS-31(C)-30	7/20/2007	29.5	30	soil	<1	<5	<1	<4.8	<4.8	<4.8	<4.8	<4.8
AOC 7	SS-31(C)-40	7/20/2007	39.5	40	soil	<1	<5	<1	<4.9	<4.9	<4.9	<4.9	<4.9
AOC 7	SS-31(C)-51	7/20/2007	50.5	51	soil	<0.99	<5	<0.99	<5	<5	<5	<5	<5
AOC 7	SS-31(C)-60.5	7/20/2007	60	60.5	soil	**5.7 YZ**	<5	<1.1	<4.9	<4.9	<4.9	<4.9	<4.9
AOC 7	SS-31(C)-67.5	7/20/2007	67	67.5	soil	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-5.5	7/20/2007	5	5.5	soil	<0.99	<5	<0.96	<4.8	<4.8	<4.8	<4.8	<4.8
AOC 7	SS-31(D)-10.5	7/20/2007	10	10.5	soil	**1.7 HYZ**	**9.4 HL**	<0.96	<4.7	<4.7	<4.7	<4.7	<4.7
AOC 7	SS-31(D)-15	7/20/2007	14.5	15	soil	**3.2 YZ**	<5	<0.98	<4.5	<4.5	<4.5	<4.5	<4.5
AOC 7	SS-31(D)-19.5	7/20/2007	19	19.5	soil	<0.99	<5	<0.98	<4.6	<4.6	<4.6	<4.6	<4.6
AOC 7	SS-31(D)-25	7/23/2007	24.5	25	soil	<0.99	<5	<1	<5	<5	<5	<5	<5

Table 2A - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per kilogram (mg/Kg) or micrograms per kilogram (ug/Kg), as noted)

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Total Petroleum Hydrocarbons TPHd (mg/Kg)	TPHmo (mg/Kg)	TPHg (mg/Kg)	BTEX compounds B (ug/Kg)	T (ug/Kg)	E (ug/Kg)	m,p-X (ug/Kg)	o-X (ug/Kg)
AOC 7	SS-31(D)-30	7/23/2007	29.5	30	soil	<1	<5	<0.99	<4.7	<4.7	<4.7	<4.7	<4.7
AOC 7	SS-31(D)-40	7/23/2007	39.5	40	soil	<1	<5	<1	<4.9	<4.9	<4.9	<4.9	<4.9
AOC 7	SS-31(D)-50.5	7/23/2007	50	50.5	soil	<1	<5	<0.95	<4.5	<4.5	<4.5	<4.5	<4.5
AOC 7	SS-31(D)-60.5	7/23/2007	60	60.5	soil	<0.99	<5	<1	<5	<5	<5	<5	<5
AOC 8	SS-123(AA)-5.5	7/24/2007	5	5.5	soil	**1.6 HY**	**15 H**	-	-	-	-	-	-
AOC 8	SS-123(AA)-7.5	7/24/2007	7	7.5	soil	**89 HY**	**810 H**	-	-	-	-	-	-
AOC 8	SS-123(AA)-10.5	7/24/2007	10	10.5	soil	**1.9 HYZ**	**11 H**	-	-	-	-	-	-
AOC 8	SS-123(AA)-15.5	7/24/2007	15	15.5	soil	**39 HY**	**450 H**	-	-	-	-	-	-
AOC 8	SS-123(AA)-18	7/24/2007	17.5	18	soil	**170 HY**	**1,500 H**	-	-	-	-	-	-
AOC 8	SS-123(F1)-5.5	7/23/2007	5	5.5	soil	**14 HY**	**110 HL**	-	-	-	-	-	-
AOC 8	SS-123(F1)-15.5	7/23/2007	15	15.5	soil	**20 HY**	**46 HL**	-	-	-	-	-	-
AOC 8	SS-123(F2)-6	7/23/2007	5.5	6	soil	**54 HY**	**430 HL**	-	-	-	-	-	-
AOC 8	SS-123(F2)-11.5	7/23/2007	11	11.5	soil	**35 HY**	**290 HL**	-	-	-	-	-	-
AOC 8	SS-123(F2)-16.5	7/23/2007	16	16.5	soil	**27 HY**	**120 HL**	-	-	-	-	-	-
AOC 8	SS-123(F2)-21	7/24/2007	20.5	21	soil	**10 HY**	**29 HL**	-	-	-	-	-	-
AOC 8	SS-123(F3)-5.5	7/24/2007	5	5.5	soil	**83 HY**	**970 H**	-	-	-	-	-	-
AOC 8	SS-123(F3)-10.5	7/24/2007	10	10.5	soil	**3.3 HY**	**39 H**	-	-	-	-	-	-
AOC 8	SS-123(F3)-15.5	7/24/2007	15	15.5	soil	**19 HY**	**270 H**	-	-	-	-	-	-
AOC 8	SS-123(F3)-20.5	7/24/2007	20	20.5	soil	<1	<5	-	-	-	-	-	-
AOC 8	SS-123(F3)-25.5	7/24/2007	25	25.5	soil	**1.5 HYZ**	**8.2 H**	-	-	-	-	-	-
AOC 6	SED-1	7/13/2007	0	0.5	soil	<1	**7.1 H**	-	-	-	-	-	-
AOC 6	SED-2	7/13/2007	0	0.5	soil	**13 HY**	**130 H**	-	-	-	-	-	-
AOC 6	SED-3	7/13/2007	0	0.5	soil	**100 HY**	**650 HL**	-	-	-	-	-	-
AOC 6	SED-4	7/13/2007	0	0.5	soil	**50 HY**	**300 HL**	-	-	-	-	-	-
ESLs			shallow or deep soils			100	1,000	100	44	2,900	3,300	2,300	2,300

Table 2A - Summary of Analytical Results of
Petroleum Hydrocarbons and Associated Compounds Detected in Soil Samples
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per kilogram (mg/Kg) or micrograms per kilogram (ug/Kg), as noted)

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Total Petroleum Hydrocarbons TPHd (mg/Kg)	TPHmo (mg/Kg)	TPHg (mg/Kg)	BTEX compounds B (ug/Kg)	T (ug/Kg)	E (ug/Kg)	m,p-X (ug/Kg)	o-X (ug/Kg)

Notes:

feet bgs = feet below ground surface

mg/Kg = milligrams per kilogram

ug/Kg = micrograms per kilogram

TPHd = total petroleum hydrocarbons as diesel

TPHmo = total petroleum hydrocarbons as motor oil

TPHg = total petroleum hydrocarbons as gasoline

BTEX = benzene, toluene, ethylbenzene, and total xylenes

B = benzene

T = toluene

E = ethylbenzene

m,p-X = m,p-xylenes

o-X = o-xylenes

bold indicates that the compound was detected above the laboratory reporting limit.

1,500 H boxed values exceed the respective ESL.

"<" = not detected above the laboratory report given

"-" = sample not analyzed

H = heavier hydrocarbons contributed to the quantitation

L = lighter hydrocarbons contributed to the quantitation

Y = sample exhibites chromatographic pattern which does not resemble standard

Z = sample exhibits unknown single peak or peaks

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 2B - Summary of Analytical Results of
Petroleum Hydrocarbons and Associated Compounds Detected in Soil Samples
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in micrograms per kilograms (ug/Kg))

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Fuel Oxygenates MTBE (ug/Kg)	TAME (ug/Kg)	DIPE (ug/Kg)	ETBE (ug/Kg)	TBA (ug/Kg)	Lead Scavengers EDB (ug/Kg)	EDC (ug/Kg)
AOC 3	B-1(A)-4.5	7/17/2007	4	4.5	soil	-	-	-	-	-	-	-
AOC 3	B-1(A)-9.5	7/17/2007	9	9.5	soil	-	-	-	-	-	-	-
AOC 3	B-1(A)-35	7/17/2007	34.5	35	soil	-	-	-	-	-	-	-
AOC 3	B-1(A)-36.5	7/17/2007	36	36.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(A)-5.5	7/17/2007	5	5.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(A)-10.5	7/17/2007	10	10.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(A)-15.5	7/17/2007	15	15.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(A)-20.5	7/17/2007	20	20.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(B)-5.5	7/16/2007	5	5.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(B)-10.5	7/16/2007	10	10.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(B)-15.5	7/16/2007	15	15.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(B)-20.5	7/16/2007	20	20.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(C)-5	7/16/2007	4.5	5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(C)-10.5	7/16/2007	10	10.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(C)-15.5	7/16/2007	15	15.5	soil	-	-	-	-	-	-	-
AOC 2	EB-31(C)-20.5	7/16/2007	20	20.5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(A)-3	7/17/2007	2.5	3	soil	-	-	-	-	-	-	-
AOC 3	EB-35(A)-4	7/17/2007	3.5	4	soil	-	-	-	-	-	-	-
AOC 3	EB-35(A)-9.5	7/17/2007	9	9.5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(B)-2.5	7/17/2007	2	2.5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(B)-5	7/17/2007	4.5	5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(B)-9	7/17/2007	8.5	9	soil	-	-	-	-	-	-	-
AOC 3	EB-35(C)-2.5	7/18/2007	2	2.5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(C)-5.5	7/18/2007	5	5.5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(C)-10.5	7/18/2007	10	10.5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(D)-2.5	7/18/2007	2	2.5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(D)-5.5	7/18/2007	5	5.5	soil	-	-	-	-	-	-	-
AOC 3	EB-35(D)-9.5	7/18/2007	9	9.5	soil	-	-	-	-	-	-	-
AOC 7	SS-31(A)-5.5	7/18/2007	5	5.5	soil	<4.9	<4.9	<4.9	<4.9	<98	<4.9	<4.9
AOC 7	SS-31(A)-10.5	7/18/2007	10	10.5	soil	<4.7	<4.7	<4.7	<4.7	<94	<4.7	<4.7

Table 2B - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in micrograms per kilograms (ug/Kg))

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Fuel Oxygenates MTBE (ug/Kg)	TAME (ug/Kg)	DIPE (ug/Kg)	ETBE (ug/Kg)	TBA (ug/Kg)	Lead Scavengers EDB (ug/Kg)	EDC (ug/Kg)
AOC 7	SS-31(A)-15.5	7/18/2007	15	15.5	soil	<4.8	<4.8	<4.8	<4.8	<96	<4.8	<4.8
AOC 7	SS-31(A)-20.5	7/18/2007	20	20.5	soil	<4.6	<4.6	<4.6	<4.6	<93	<4.6	<4.6
AOC 7	SS-31(A)-25.5	7/18/2007	25	25.5	soil	<4.8	<4.8	<4.8	<4.8	<96	<4.8	<4.8
AOC 7	SS-31(A)-30.5	7/18/2007	30	30.5	soil	<5	<5	<5	<5	<100	<5	<5
AOC 7	SS-31(A)-40.5	7/19/2007	40	40.5	soil	<4.8	<4.8	<4.8	<4.8	<96	<4.8	<4.8
AOC 7	SS-31(A)-50.5	7/19/2007	50	50.5	soil	<4.6	<4.6	<4.6	<4.6	<93	<4.6	<4.6
AOC 7	SS-31(A)-52.5	7/19/2007	52	52.5	soil	<4.7	<4.7	<4.7	<4.7	<94	<4.7	<4.7
AOC 7	SS-31(A)-60.5	7/19/2007	60	60.5	soil	<4.5	<4.5	<4.5	<4.5	<89	<4.5	<4.5
AOC 7	SS-31(A)-65.5	7/19/2007	65	65.5	soil	-	-	-	-	-	-	-
AOC 7	SS-31(B)-5.5	7/19/2007	5	5.5	soil	<4.7	<4.7	<4.7	<4.7	<94	<4.7	<4.7
AOC 7	SS-31(B)-10.5	7/19/2007	10	10.5	soil	<4.8	<4.8	<4.8	<4.8	<96	<4.8	<4.8
AOC 7	SS-31(B)-15.5	7/19/2007	15	15.5	soil	<4.8	<4.8	<4.8	<4.8	<96	<4.8	<4.8
AOC 7	SS-31(B)-20.5	7/19/2007	20	20.5	soil	<4.6	<4.6	<4.6	<4.6	<93	<4.6	<4.6
AOC 7	SS-31(B)-25.5	7/19/2007	25	25.5	soil	<4.8	<4.8	<4.8	<4.8	<96	<4.8	<4.8
AOC 7	SS-31(B)-30.5	7/19/2007	30	30.5	soil	<4.5	<4.5	<4.5	<4.5	<89	<4.5	<4.5
AOC 7	SS-31(B)-40	7/19/2007	39.5	40	soil	<4.5	<4.5	<4.5	<4.5	<89	<4.5	<4.5
AOC 7	SS-31(B)-50	7/19/2007	49.5	50	soil	<4.5	<4.5	<4.5	<4.5	<89	<4.5	<4.5
AOC 7	SS-31(B)-60.5	7/19/2007	60	60.5	soil	<4.9	<4.9	<4.9	<4.9	<98	<4.9	<4.9
AOC 7	SS-31(C)-5.5	7/20/2007	5	5.5	soil	<5	<5	<5	<5	<100	<5	<5
AOC 7	SS-31(C)-10.5	7/20/2007	10	10.5	soil	<4.5	<4.5	<4.5	<4.5	<91	<4.5	<4.5
AOC 7	SS-31(C)-15.5	7/20/2007	15	15.5	soil	<4.5	<4.5	<4.5	<4.5	<91	<4.5	<4.5
AOC 7	SS-31(C)-19.5	7/20/2007	19	19.5	soil	<4.9	<4.9	<4.9	<4.9	<98	<4.9	<4.9
AOC 7	SS-31(C)-25.5	7/20/2007	25	25.5	soil	<4.9	<4.9	<4.9	<4.9	<98	<4.9	<4.9
AOC 7	SS-31(C)-30	7/20/2007	29.5	30	soil	<4.8	<4.8	<4.8	<4.8	<96	<4.8	<4.8
AOC 7	SS-31(C)-40	7/20/2007	39.5	40	soil	<4.9	<4.9	<4.9	<4.9	<98	<4.9	<4.9
AOC 7	SS-31(C)-51	7/20/2007	50.5	51	soil	<5	<5	<5	<5	<100	<5	<5
AOC 7	SS-31(C)-60.5	7/20/2007	60	60.5	soil	<4.9	<4.9	<4.9	<4.9	<98	<4.9	<4.9
AOC 7	SS-31(C)-67.5	7/20/2007	67	67.5	soil	-	-	-	-	-	-	-
AOC 7	SS-31(D)-5.5	7/20/2007	5	5.5	soil	<4.8	<4.8	<4.8	<4.8	<96	<4.8	<4.8
AOC 7	SS-31(D)-10.5	7/20/2007	10	10.5	soil	<4.7	<4.7	<4.7	<4.7	<94	<4.7	<4.7
AOC 7	SS-31(D)-15	7/20/2007	14.5	15	soil	<4.5	<4.5	<4.5	<4.5	<91	<4.5	<4.5
AOC 7	SS-31(D)-19.5	7/20/2007	19	19.5	soil	<4.6	<4.6	<4.6	<4.6	<93	<4.6	<4.6

Table 2B - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in micrograms per kilograms (ug/Kg))

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Fuel Oxygenates MTBE (ug/Kg)	TAME (ug/Kg)	DIPE (ug/Kg)	ETBE (ug/Kg)	TBA (ug/Kg)	Lead Scavengers EDB (ug/Kg)	EDC (ug/Kg)
AOC 7	SS-31(D)-25	7/23/2007	24.5	25	soil	<5	<5	<5	<5	<100	<5	<5
AOC 7	SS-31(D)-30	7/23/2007	29.5	30	soil	<4.7	<4.7	<4.7	<4.7	<94	<4.7	<4.7
AOC 7	SS-31(D)-40	7/23/2007	39.5	40	soil	<4.9	<4.9	<4.9	<4.9	<98	<4.9	<4.9
AOC 7	SS-31(D)-50.5	7/23/2007	50	50.5	soil	<4.5	<4.5	<4.5	<4.5	<91	<4.5	<4.5
AOC 7	SS-31(D)-60.5	7/23/2007	60	60.5	soil	<5	<5	<5	<5	<100	<5	<5
AOC 8	SS-123(AA)-5.5	7/24/2007	5	5.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-7.5	7/24/2007	7	7.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-10.5	7/24/2007	10	10.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-15.5	7/24/2007	15	15.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-18	7/24/2007	17.5	18	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F1)-5.5	7/23/2007	5	5.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F1)-15.5	7/23/2007	15	15.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-6	7/23/2007	5.5	6	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-11.5	7/23/2007	11	11.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-16.5	7/23/2007	16	16.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-21	7/24/2007	20.5	21	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-5.5	7/24/2007	5	5.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-10.5	7/24/2007	10	10.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-15.5	7/24/2007	15	15.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-20.5	7/24/2007	20	20.5	soil	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-25.5	7/24/2007	25	25.5	soil	-	-	-	-	-	-	-
AOC 6	SED-1	7/13/2007	0	0.5	soil	-	-	-	-	-	-	-
AOC 6	SED-2	7/13/2007	0	0.5	soil	-	-	-	-	-	-	-
AOC 6	SED-3	7/13/2007	0	0.5	soil	-	-	-	-	-	-	-
AOC 6	SED-4	7/13/2007	0	0.5	soil	-	-	-	-	-	-	-
ESLs				shallow or deep soils		23	-	-	-	73	0.33	4.5

Table 2B - Summary of Analytical Results of
Petroleum Hydrocarbons and Associated Compounds Detected in Soil Samples
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in micrograms per kilograms (ug/Kg))

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Fuel Oxygenates MTBE (ug/Kg)	TAME (ug/Kg)	DIPE (ug/Kg)	ETBE (ug/Kg)	TBA (ug/Kg)	Lead Scavengers EDB (ug/Kg)	EDC (ug/Kg)

Notes:

feet bgs = feet below ground surface

ug/Kg = micrograms per kilogram

MTBE = methyl tert-butyl ether

TAME = tert-amyl methyl ether (methyl tert-amyl ether)

DIPE = diisopropyl ether (isopropyl ether)

ETBE = ethyl tert-butyl ether

TBA = tert-butyl alcohol

EDB = 1,2-dibromoethane (ethylene dibromide)

EDC = 1,2-dichloroethane

"<" = not detected above the laboratory report given

"-" = sample not analyzed or ESL not established

Table 3 - Summary of Analytical Results of Volatile Organic Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	VOCs *
AOC 3	B-1(A)-4.5	7/17/2007	4	4.5	soil	-
AOC 3	B-1(A)-9.5	7/17/2007	9	9.5	soil	-
AOC 3	B-1(A)-35	7/17/2007	34.5	35	soil	-
AOC 3	B-1(A)-36.5	7/17/2007	36	36.5	soil	-
AOC 2	EB-31(A)-5.5	7/17/2007	5	5.5	soil	-
AOC 2	EB-31(A)-10.5	7/17/2007	10	10.5	soil	-
AOC 2	EB-31(A)-15.5	7/17/2007	15	15.5	soil	-
AOC 2	EB-31(A)-20.5	7/17/2007	20	20.5	soil	-
AOC 2	EB-31(B)-5.5	7/16/2007	5	5.5	soil	-
AOC 2	EB-31(B)-10.5	7/16/2007	10	10.5	soil	-
AOC 2	EB-31(B)-15.5	7/16/2007	15	15.5	soil	-
AOC 2	EB-31(B)-20.5	7/16/2007	20	20.5	soil	-
AOC 2	EB-31(C)-5	7/16/2007	4.5	5	soil	-
AOC 2	EB-31(C)-10.5	7/16/2007	10	10.5	soil	-
AOC 2	EB-31(C)-15.5	7/16/2007	15	15.5	soil	-
AOC 2	EB-31(C)-20.5	7/16/2007	20	20.5	soil	-
AOC 3	EB-35(A)-3	7/17/2007	2.5	3	soil	-
AOC 3	EB-35(A)-4	7/17/2007	3.5	4	soil	-
AOC 3	EB-35(A)-9.5	7/17/2007	9	9.5	soil	-
AOC 3	EB-35(B)-2.5	7/17/2007	2	2.5	soil	-
AOC 3	EB-35(B)-5	7/17/2007	4.5	5	soil	-
AOC 3	EB-35(B)-9	7/17/2007	8.5	9	soil	-
AOC 3	EB-35(C)-2.5	7/18/2007	2	2.5	soil	-
AOC 3	EB-35(C)-5.5	7/18/2007	5	5.5	soil	-
AOC 3	EB-35(C)-10.5	7/18/2007	10	10.5	soil	-
AOC 3	EB-35(D)-2.5	7/18/2007	2	2.5	soil	-
AOC 3	EB-35(D)-5.5	7/18/2007	5	5.5	soil	-
AOC 3	EB-35(D)-9.5	7/18/2007	9	9.5	soil	-
AOC 7	SS-31(A)-5.5	7/18/2007	5	5.5	soil	ND
AOC 7	SS-31(A)-10.5	7/18/2007	10	10.5	soil	ND
AOC 7	SS-31(A)-15.5	7/18/2007	15	15.5	soil	ND
AOC 7	SS-31(A)-20.5	7/18/2007	20	20.5	soil	ND
AOC 7	SS-31(A)-25.5	7/18/2007	25	25.5	soil	ND
AOC 7	SS-31(A)-30.5	7/18/2007	30	30.5	soil	ND
AOC 7	SS-31(A)-40.5	7/19/2007	40	40.5	soil	ND
AOC 7	SS-31(A)-50.5	7/19/2007	50	50.5	soil	ND
AOC 7	SS-31(A)-52.5	7/19/2007	52	52.5	soil	ND
AOC 7	SS-31(A)-60.5	7/19/2007	60	60.5	soil	ND
AOC 7	SS-31(A)-65.5	7/19/2007	65	65.5	soil	-
AOC 7	SS-31(B)-5.5	7/19/2007	5	5.5	soil	ND
AOC 7	SS-31(B)-10.5	7/19/2007	10	10.5	soil	ND
AOC 7	SS-31(B)-15.5	7/19/2007	15	15.5	soil	ND
AOC 7	SS-31(B)-20.5	7/19/2007	20	20.5	soil	ND
AOC 7	SS-31(B)-25.5	7/19/2007	25	25.5	soil	ND
AOC 7	SS-31(B)-30.5	7/19/2007	30	30.5	soil	ND
AOC 7	SS-31(B)-40	7/19/2007	39.5	40	soil	ND
AOC 7	SS-31(B)-50	7/19/2007	49.5	50	soil	ND

Table 3 - Summary of Analytical Results of Volatile Organic Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	VOCs *
AOC 7	SS-31(B)-60.5	7/19/2007	60	60.5	soil	ND
AOC 7	SS-31(C)-5.5	7/20/2007	5	5.5	soil	ND
AOC 7	SS-31(C)-10.5	7/20/2007	10	10.5	soil	ND
AOC 7	SS-31(C)-15.5	7/20/2007	15	15.5	soil	ND
AOC 7	SS-31(C)-19.5	7/20/2007	19	19.5	soil	ND
AOC 7	SS-31(C)-25.5	7/20/2007	25	25.5	soil	ND
AOC 7	SS-31(C)-30	7/20/2007	29.5	30	soil	ND
AOC 7	SS-31(C)-40	7/20/2007	39.5	40	soil	ND
AOC 7	SS-31(C)-51	7/20/2007	50.5	51	soil	ND
AOC 7	SS-31(C)-60.5	7/20/2007	60	60.5	soil	ND
AOC 7	SS-31(C)-67.5	7/20/2007	67	67.5	soil	-
AOC 7	SS-31(D)-5.5	7/20/2007	5	5.5	soil	ND
AOC 7	SS-31(D)-10.5	7/20/2007	10	10.5	soil	ND
AOC 7	SS-31(D)-15	7/20/2007	14.5	15	soil	ND
AOC 7	SS-31(D)-19.5	7/20/2007	19	19.5	soil	ND
AOC 7	SS-31(D)-25	7/23/2007	24.5	25	soil	ND
AOC 7	SS-31(D)-30	7/23/2007	29.5	30	soil	ND
AOC 7	SS-31(D)-40	7/23/2007	39.5	40	soil	ND
AOC 7	SS-31(D)-50.5	7/23/2007	50	50.5	soil	ND
AOC 7	SS-31(D)-60.5	7/23/2007	60	60.5	soil	ND
AOC 8	SS-123(AA)-5.5	7/24/2007	5	5.5	soil	-
AOC 8	SS-123(AA)-7.5	7/24/2007	7	7.5	soil	-
AOC 8	SS-123(AA)-10.5	7/24/2007	10	10.5	soil	-
AOC 8	SS-123(AA)-15.5	7/24/2007	15	15.5	soil	-
AOC 8	SS-123(AA)-18	7/24/2007	17.5	18	soil	-
AOC 8	SS-123(F1)-5.5	7/23/2007	5	5.5	soil	-
AOC 8	SS-123(F1)-15.5	7/23/2007	15	15.5	soil	-
AOC 8	SS-123(F2)-6	7/23/2007	5.5	6	soil	-
AOC 8	SS-123(F2)-11.5	7/23/2007	11	11.5	soil	-
AOC 8	SS-123(F2)-16.5	7/23/2007	16	16.5	soil	-
AOC 8	SS-123(F2)-21	7/24/2007	20.5	21	soil	-
AOC 8	SS-123(F3)-5.5	7/24/2007	5	5.5	soil	-
AOC 8	SS-123(F3)-10.5	7/24/2007	10	10.5	soil	-
AOC 8	SS-123(F3)-15.5	7/24/2007	15	15.5	soil	-
AOC 8	SS-123(F3)-20.5	7/24/2007	20	20.5	soil	-
AOC 8	SS-123(F3)-25.5	7/24/2007	25	25.5	soil	-
AOC 6	SED-1	7/13/2007	0	0.5	soil	-
AOC 6	SED-2	7/13/2007	0	0.5	soil	-
AOC 6	SED-3	7/13/2007	0	0.5	soil	-
AOC 6	SED-4	7/13/2007	0	0.5	soil	-

Notes:

* No VOCs were detected above their respective laboratory limits in any of these samples.

VOCs = volatile organic compounds

feet bgs = feet below ground surface

"-" = sample not analyzed

ND = not detected

Table 4 - Summary of Analytical Results of Semivolatile Organic Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	SVOCs *
AOC 3	B-1(A)-4.5	7/17/2007	4	4.5	soil	ND
AOC 3	B-1(A)-9.5	7/17/2007	9	9.5	soil	ND
AOC 3	B-1(A)-35	7/17/2007	34.5	35	soil	-
AOC 3	B-1(A)-36.5	7/17/2007	36	36.5	soil	-
AOC 2	EB-31(A)-5.5	7/17/2007	5	5.5	soil	-
AOC 2	EB-31(A)-10.5	7/17/2007	10	10.5	soil	-
AOC 2	EB-31(A)-15.5	7/17/2007	15	15.5	soil	-
AOC 2	EB-31(A)-20.5	7/17/2007	20	20.5	soil	-
AOC 2	EB-31(B)-5.5	7/16/2007	5	5.5	soil	-
AOC 2	EB-31(B)-10.5	7/16/2007	10	10.5	soil	-
AOC 2	EB-31(B)-15.5	7/16/2007	15	15.5	soil	-
AOC 2	EB-31(B)-20.5	7/16/2007	20	20.5	soil	-
AOC 2	EB-31(C)-5	7/16/2007	4.5	5	soil	-
AOC 2	EB-31(C)-10.5	7/16/2007	10	10.5	soil	-
AOC 2	EB-31(C)-15.5	7/16/2007	15	15.5	soil	-
AOC 2	EB-31(C)-20.5	7/16/2007	20	20.5	soil	-
AOC 3	EB-35(A)-3	7/17/2007	2.5	3	soil	-
AOC 3	EB-35(A)-4	7/17/2007	3.5	4	soil	-
AOC 3	EB-35(A)-9.5	7/17/2007	9	9.5	soil	-
AOC 3	EB-35(B)-2.5	7/17/2007	2	2.5	soil	-
AOC 3	EB-35(B)-5	7/17/2007	4.5	5	soil	-
AOC 3	EB-35(B)-9	7/17/2007	8.5	9	soil	-
AOC 3	EB-35(C)-2.5	7/18/2007	2	2.5	soil	-
AOC 3	EB-35(C)-5.5	7/18/2007	5	5.5	soil	-
AOC 3	EB-35(C)-10.5	7/18/2007	10	10.5	soil	-
AOC 3	EB-35(D)-2.5	7/18/2007	2	2.5	soil	-
AOC 3	EB-35(D)-5.5	7/18/2007	5	5.5	soil	-
AOC 3	EB-35(D)-9.5	7/18/2007	9	9.5	soil	-
AOC 7	SS-31(A)-5.5	7/18/2007	5	5.5	soil	ND
AOC 7	SS-31(A)-10.5	7/18/2007	10	10.5	soil	ND
AOC 7	SS-31(A)-15.5	7/18/2007	15	15.5	soil	-
AOC 7	SS-31(A)-20.5	7/18/2007	20	20.5	soil	-
AOC 7	SS-31(A)-25.5	7/18/2007	25	25.5	soil	-
AOC 7	SS-31(A)-30.5	7/18/2007	30	30.5	soil	-
AOC 7	SS-31(A)-40.5	7/19/2007	40	40.5	soil	-
AOC 7	SS-31(A)-50.5	7/19/2007	50	50.5	soil	-
AOC 7	SS-31(A)-52.5	7/19/2007	52	52.5	soil	-
AOC 7	SS-31(A)-60.5	7/19/2007	60	60.5	soil	-
AOC 7	SS-31(A)-65.5	7/19/2007	65	65.5	soil	-
AOC 7	SS-31(B)-5.5	7/19/2007	5	5.5	soil	ND
AOC 7	SS-31(B)-10.5	7/19/2007	10	10.5	soil	ND
AOC 7	SS-31(B)-15.5	7/19/2007	15	15.5	soil	-
AOC 7	SS-31(B)-20.5	7/19/2007	20	20.5	soil	-
AOC 7	SS-31(B)-25.5	7/19/2007	25	25.5	soil	-
AOC 7	SS-31(B)-30.5	7/19/2007	30	30.5	soil	-
AOC 7	SS-31(B)-40	7/19/2007	39.5	40	soil	-
AOC 7	SS-31(B)-50	7/19/2007	49.5	50	soil	-

Table 4 - Summary of Analytical Results of Semivolatile Organic Compounds Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	SVOCs *
AOC 7	SS-31(B)-60.5	7/19/2007	60	60.5	soil	-
AOC 7	SS-31(C)-5.5	7/20/2007	5	5.5	soil	ND
AOC 7	SS-31(C)-10.5	7/20/2007	10	10.5	soil	ND
AOC 7	SS-31(C)-15.5	7/20/2007	15	15.5	soil	-
AOC 7	SS-31(C)-19.5	7/20/2007	19	19.5	soil	-
AOC 7	SS-31(C)-25.5	7/20/2007	25	25.5	soil	-
AOC 7	SS-31(C)-30	7/20/2007	29.5	30	soil	-
AOC 7	SS-31(C)-40	7/20/2007	39.5	40	soil	-
AOC 7	SS-31(C)-51	7/20/2007	50.5	51	soil	-
AOC 7	SS-31(C)-60.5	7/20/2007	60	60.5	soil	-
AOC 7	SS-31(C)-67.5	7/20/2007	67	67.5	soil	-
AOC 7	SS-31(D)-5.5	7/20/2007	5	5.5	soil	ND
AOC 7	SS-31(D)-10.5	7/20/2007	10	10.5	soil	ND
AOC 7	SS-31(D)-15	7/20/2007	14.5	15	soil	-
AOC 7	SS-31(D)-19.5	7/20/2007	19	19.5	soil	-
AOC 7	SS-31(D)-25	7/23/2007	24.5	25	soil	-
AOC 7	SS-31(D)-30	7/23/2007	29.5	30	soil	-
AOC 7	SS-31(D)-40	7/23/2007	39.5	40	soil	-
AOC 7	SS-31(D)-50.5	7/23/2007	50	50.5	soil	-
AOC 7	SS-31(D)-60.5	7/23/2007	60	60.5	soil	-
AOC 8	SS-123(AA)-5.5	7/24/2007	5	5.5	soil	-
AOC 8	SS-123(AA)-7.5	7/24/2007	7	7.5	soil	-
AOC 8	SS-123(AA)-10.5	7/24/2007	10	10.5	soil	-
AOC 8	SS-123(AA)-15.5	7/24/2007	15	15.5	soil	-
AOC 8	SS-123(AA)-18	7/24/2007	17.5	18	soil	-
AOC 8	SS-123(F1)-5.5	7/23/2007	5	5.5	soil	-
AOC 8	SS-123(F1)-15.5	7/23/2007	15	15.5	soil	-
AOC 8	SS-123(F2)-6	7/23/2007	5.5	6	soil	-
AOC 8	SS-123(F2)-11.5	7/23/2007	11	11.5	soil	-
AOC 8	SS-123(F2)-16.5	7/23/2007	16	16.5	soil	-
AOC 8	SS-123(F2)-21	7/24/2007	20.5	21	soil	-
AOC 8	SS-123(F3)-5.5	7/24/2007	5	5.5	soil	-
AOC 8	SS-123(F3)-10.5	7/24/2007	10	10.5	soil	-
AOC 8	SS-123(F3)-15.5	7/24/2007	15	15.5	soil	-
AOC 8	SS-123(F3)-20.5	7/24/2007	20	20.5	soil	-
AOC 8	SS-123(F3)-25.5	7/24/2007	25	25.5	soil	-
AOC 6	SED-1	7/13/2007	0	0.5	soil	-
AOC 6	SED-2	7/13/2007	0	0.5	soil	-
AOC 6	SED-3	7/13/2007	0	0.5	soil	-
AOC 6	SED-4	7/13/2007	0	0.5	soil	-

Notes:

* No SVOCs were detected above their respective laboratory limits in any of these samples.

SVOCs = semivolatile organic compounds

feet bgs = feet below ground surface

"-" = sample not analyzed

ND = not detected

Table 5 - Summary of Analytical Results of Organochlorine Pesticides Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Organochlorine Pesticides *
AOC 3	B-1(A)-4.5	7/17/2007	4	4.5	soil	-
AOC 3	B-1(A)-9.5	7/17/2007	9	9.5	soil	-
AOC 3	B-1(A)-35	7/17/2007	34.5	35	soil	-
AOC 3	B-1(A)-36.5	7/17/2007	36	36.5	soil	-
AOC 2	EB-31(A)-5.5	7/17/2007	5	5.5	soil	-
AOC 2	EB-31(A)-10.5	7/17/2007	10	10.5	soil	-
AOC 2	EB-31(A)-15.5	7/17/2007	15	15.5	soil	-
AOC 2	EB-31(A)-20.5	7/17/2007	20	20.5	soil	-
AOC 2	EB-31(B)-5.5	7/16/2007	5	5.5	soil	-
AOC 2	EB-31(B)-10.5	7/16/2007	10	10.5	soil	-
AOC 2	EB-31(B)-15.5	7/16/2007	15	15.5	soil	-
AOC 2	EB-31(B)-20.5	7/16/2007	20	20.5	soil	-
AOC 2	EB-31(C)-5	7/16/2007	4.5	5	soil	-
AOC 2	EB-31(C)-10.5	7/16/2007	10	10.5	soil	-
AOC 2	EB-31(C)-15.5	7/16/2007	15	15.5	soil	-
AOC 2	EB-31(C)-20.5	7/16/2007	20	20.5	soil	-
AOC 3	EB-35(A)-3	7/17/2007	2.5	3	soil	-
AOC 3	EB-35(A)-4	7/17/2007	3.5	4	soil	-
AOC 3	EB-35(A)-9.5	7/17/2007	9	9.5	soil	-
AOC 3	EB-35(B)-2.5	7/17/2007	2	2.5	soil	-
AOC 3	EB-35(B)-5	7/17/2007	4.5	5	soil	-
AOC 3	EB-35(B)-9	7/17/2007	8.5	9	soil	-
AOC 3	EB-35(C)-2.5	7/18/2007	2	2.5	soil	-
AOC 3	EB-35(C)-5.5	7/18/2007	5	5.5	soil	-
AOC 3	EB-35(C)-10.5	7/18/2007	10	10.5	soil	-
AOC 3	EB-35(D)-2.5	7/18/2007	2	2.5	soil	-
AOC 3	EB-35(D)-5.5	7/18/2007	5	5.5	soil	-
AOC 3	EB-35(D)-9.5	7/18/2007	9	9.5	soil	-
AOC 7	SS-31(A)-5.5	7/18/2007	5	5.5	soil	ND
AOC 7	SS-31(A)-10.5	7/18/2007	10	10.5	soil	ND
AOC 7	SS-31(A)-15.5	7/18/2007	15	15.5	soil	-
AOC 7	SS-31(A)-20.5	7/18/2007	20	20.5	soil	-
AOC 7	SS-31(A)-25.5	7/18/2007	25	25.5	soil	-
AOC 7	SS-31(A)-30.5	7/18/2007	30	30.5	soil	-
AOC 7	SS-31(A)-40.5	7/19/2007	40	40.5	soil	-
AOC 7	SS-31(A)-50.5	7/19/2007	50	50.5	soil	-
AOC 7	SS-31(A)-52.5	7/19/2007	52	52.5	soil	-
AOC 7	SS-31(A)-60.5	7/19/2007	60	60.5	soil	-
AOC 7	SS-31(A)-65.5	7/19/2007	65	65.5	soil	-
AOC 7	SS-31(B)-5.5	7/19/2007	5	5.5	soil	ND
AOC 7	SS-31(B)-10.5	7/19/2007	10	10.5	soil	ND
AOC 7	SS-31(B)-15.5	7/19/2007	15	15.5	soil	-
AOC 7	SS-31(B)-20.5	7/19/2007	20	20.5	soil	-
AOC 7	SS-31(B)-25.5	7/19/2007	25	25.5	soil	-
AOC 7	SS-31(B)-30.5	7/19/2007	30	30.5	soil	-
AOC 7	SS-31(B)-40	7/19/2007	39.5	40	soil	-
AOC 7	SS-31(B)-50	7/19/2007	49.5	50	soil	-

Table 5 - Summary of Analytical Results of Organochlorine Pesticides Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Organochlorine Pesticides *
AOC 7	SS-31(B)-60.5	7/19/2007	60	60.5	soil	-
AOC 7	SS-31(C)-5.5	7/20/2007	5	5.5	soil	ND
AOC 7	SS-31(C)-10.5	7/20/2007	10	10.5	soil	ND
AOC 7	SS-31(C)-15.5	7/20/2007	15	15.5	soil	-
AOC 7	SS-31(C)-19.5	7/20/2007	19	19.5	soil	-
AOC 7	SS-31(C)-25.5	7/20/2007	25	25.5	soil	-
AOC 7	SS-31(C)-30	7/20/2007	29.5	30	soil	-
AOC 7	SS-31(C)-40	7/20/2007	39.5	40	soil	-
AOC 7	SS-31(C)-51	7/20/2007	50.5	51	soil	-
AOC 7	SS-31(C)-60.5	7/20/2007	60	60.5	soil	-
AOC 7	SS-31(C)-67.5	7/20/2007	67	67.5	soil	-
AOC 7	SS-31(D)-5.5	7/20/2007	5	5.5	soil	ND
AOC 7	SS-31(D)-10.5	7/20/2007	10	10.5	soil	ND
AOC 7	SS-31(D)-15	7/20/2007	14.5	15	soil	-
AOC 7	SS-31(D)-19.5	7/20/2007	19	19.5	soil	-
AOC 7	SS-31(D)-25	7/23/2007	24.5	25	soil	-
AOC 7	SS-31(D)-30	7/23/2007	29.5	30	soil	-
AOC 7	SS-31(D)-40	7/23/2007	39.5	40	soil	-
AOC 7	SS-31(D)-50.5	7/23/2007	50	50.5	soil	-
AOC 7	SS-31(D)-60.5	7/23/2007	60	60.5	soil	-
AOC 8	SS-123(AA)-5.5	7/24/2007	5	5.5	soil	-
AOC 8	SS-123(AA)-7.5	7/24/2007	7	7.5	soil	-
AOC 8	SS-123(AA)-10.5	7/24/2007	10	10.5	soil	-
AOC 8	SS-123(AA)-15.5	7/24/2007	15	15.5	soil	-
AOC 8	SS-123(AA)-18	7/24/2007	17.5	18	soil	-
AOC 8	SS-123(F1)-5.5	7/23/2007	5	5.5	soil	-
AOC 8	SS-123(F1)-15.5	7/23/2007	15	15.5	soil	-
AOC 8	SS-123(F2)-6	7/23/2007	5.5	6	soil	-
AOC 8	SS-123(F2)-11.5	7/23/2007	11	11.5	soil	-
AOC 8	SS-123(F2)-16.5	7/23/2007	16	16.5	soil	-
AOC 8	SS-123(F2)-21	7/24/2007	20.5	21	soil	-
AOC 8	SS-123(F3)-5.5	7/24/2007	5	5.5	soil	-
AOC 8	SS-123(F3)-10.5	7/24/2007	10	10.5	soil	-
AOC 8	SS-123(F3)-15.5	7/24/2007	15	15.5	soil	-
AOC 8	SS-123(F3)-20.5	7/24/2007	20	20.5	soil	-
AOC 8	SS-123(F3)-25.5	7/24/2007	25	25.5	soil	-
AOC 6	SED-1	7/13/2007	0	0.5	soil	-
AOC 6	SED-2	7/13/2007	0	0.5	soil	-
AOC 6	SED-3	7/13/2007	0	0.5	soil	-
AOC 6	SED-4	7/13/2007	0	0.5	soil	-

Notes:

* No organochlorine pesticides were detected above their respective laboratory limits in any of these samples.

feet bgs = feet below ground surface

"-" = sample not analyzed

ND = not detected

Table 6 - Summary of Analytical Results of Polychlorinated Biphenyls Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	PCBs *
AOC 3	B-1(A)-4.5	7/17/2007	4	4.5	soil	ND
AOC 3	B-1(A)-9.5	7/17/2007	9	9.5	soil	ND
AOC 3	B-1(A)-35	7/17/2007	34.5	35	soil	-
AOC 3	B-1(A)-36.5	7/17/2007	36	36.5	soil	-
AOC 2	EB-31(A)-5.5	7/17/2007	5	5.5	soil	-
AOC 2	EB-31(A)-10.5	7/17/2007	10	10.5	soil	-
AOC 2	EB-31(A)-15.5	7/17/2007	15	15.5	soil	-
AOC 2	EB-31(A)-20.5	7/17/2007	20	20.5	soil	-
AOC 2	EB-31(B)-5.5	7/16/2007	5	5.5	soil	-
AOC 2	EB-31(B)-10.5	7/16/2007	10	10.5	soil	-
AOC 2	EB-31(B)-15.5	7/16/2007	15	15.5	soil	-
AOC 2	EB-31(B)-20.5	7/16/2007	20	20.5	soil	-
AOC 2	EB-31(C)-5	7/16/2007	4.5	5	soil	-
AOC 2	EB-31(C)-10.5	7/16/2007	10	10.5	soil	-
AOC 2	EB-31(C)-15.5	7/16/2007	15	15.5	soil	-
AOC 2	EB-31(C)-20.5	7/16/2007	20	20.5	soil	-
AOC 3	EB-35(A)-3	7/17/2007	2.5	3	soil	-
AOC 3	EB-35(A)-4	7/17/2007	3.5	4	soil	-
AOC 3	EB-35(A)-9.5	7/17/2007	9	9.5	soil	-
AOC 3	EB-35(B)-2.5	7/17/2007	2	2.5	soil	-
AOC 3	EB-35(B)-5	7/17/2007	4.5	5	soil	-
AOC 3	EB-35(B)-9	7/17/2007	8.5	9	soil	-
AOC 3	EB-35(C)-2.5	7/18/2007	2	2.5	soil	-
AOC 3	EB-35(C)-5.5	7/18/2007	5	5.5	soil	-
AOC 3	EB-35(C)-10.5	7/18/2007	10	10.5	soil	-
AOC 3	EB-35(D)-2.5	7/18/2007	2	2.5	soil	-
AOC 3	EB-35(D)-5.5	7/18/2007	5	5.5	soil	-
AOC 3	EB-35(D)-9.5	7/18/2007	9	9.5	soil	-
AOC 7	SS-31(A)-5.5	7/18/2007	5	5.5	soil	ND
AOC 7	SS-31(A)-10.5	7/18/2007	10	10.5	soil	ND
AOC 7	SS-31(A)-15.5	7/18/2007	15	15.5	soil	-
AOC 7	SS-31(A)-20.5	7/18/2007	20	20.5	soil	-
AOC 7	SS-31(A)-25.5	7/18/2007	25	25.5	soil	-
AOC 7	SS-31(A)-30.5	7/18/2007	30	30.5	soil	-
AOC 7	SS-31(A)-40.5	7/19/2007	40	40.5	soil	-
AOC 7	SS-31(A)-50.5	7/19/2007	50	50.5	soil	-
AOC 7	SS-31(A)-52.5	7/19/2007	52	52.5	soil	-
AOC 7	SS-31(A)-60.5	7/19/2007	60	60.5	soil	-
AOC 7	SS-31(A)-65.5	7/19/2007	65	65.5	soil	-
AOC 7	SS-31(B)-5.5	7/19/2007	5	5.5	soil	ND
AOC 7	SS-31(B)-10.5	7/19/2007	10	10.5	soil	ND
AOC 7	SS-31(B)-15.5	7/19/2007	15	15.5	soil	-
AOC 7	SS-31(B)-20.5	7/19/2007	20	20.5	soil	-
AOC 7	SS-31(B)-25.5	7/19/2007	25	25.5	soil	-
AOC 7	SS-31(B)-30.5	7/19/2007	30	30.5	soil	-
AOC 7	SS-31(B)-40	7/19/2007	39.5	40	soil	-
AOC 7	SS-31(B)-50	7/19/2007	49.5	50	soil	-

Table 6 - Summary of Analytical Results of Polychlorinated Biphenyls Detected in Soil Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	PCBs *
AOC 7	SS-31(B)-60.5	7/19/2007	60	60.5	soil	-
AOC 7	SS-31(C)-5.5	7/20/2007	5	5.5	soil	ND
AOC 7	SS-31(C)-10.5	7/20/2007	10	10.5	soil	ND
AOC 7	SS-31(C)-15.5	7/20/2007	15	15.5	soil	-
AOC 7	SS-31(C)-19.5	7/20/2007	19	19.5	soil	-
AOC 7	SS-31(C)-25.5	7/20/2007	25	25.5	soil	-
AOC 7	SS-31(C)-30	7/20/2007	29.5	30	soil	-
AOC 7	SS-31(C)-40	7/20/2007	39.5	40	soil	-
AOC 7	SS-31(C)-51	7/20/2007	50.5	51	soil	-
AOC 7	SS-31(C)-60.5	7/20/2007	60	60.5	soil	-
AOC 7	SS-31(C)-67.5	7/20/2007	67	67.5	soil	-
AOC 7	SS-31(D)-5.5	7/20/2007	5	5.5	soil	ND
AOC 7	SS-31(D)-10.5	7/20/2007	10	10.5	soil	ND
AOC 7	SS-31(D)-15	7/20/2007	14.5	15	soil	-
AOC 7	SS-31(D)-19.5	7/20/2007	19	19.5	soil	-
AOC 7	SS-31(D)-25	7/23/2007	24.5	25	soil	-
AOC 7	SS-31(D)-30	7/23/2007	29.5	30	soil	-
AOC 7	SS-31(D)-40	7/23/2007	39.5	40	soil	-
AOC 7	SS-31(D)-50.5	7/23/2007	50	50.5	soil	-
AOC 7	SS-31(D)-60.5	7/23/2007	60	60.5	soil	-
AOC 8	SS-123(AA)-5.5	7/24/2007	5	5.5	soil	-
AOC 8	SS-123(AA)-7.5	7/24/2007	7	7.5	soil	-
AOC 8	SS-123(AA)-10.5	7/24/2007	10	10.5	soil	-
AOC 8	SS-123(AA)-15.5	7/24/2007	15	15.5	soil	-
AOC 8	SS-123(AA)-18	7/24/2007	17.5	18	soil	-
AOC 8	SS-123(F1)-5.5	7/23/2007	5	5.5	soil	-
AOC 8	SS-123(F1)-15.5	7/23/2007	15	15.5	soil	-
AOC 8	SS-123(F2)-6	7/23/2007	5.5	6	soil	-
AOC 8	SS-123(F2)-11.5	7/23/2007	11	11.5	soil	-
AOC 8	SS-123(F2)-16.5	7/23/2007	16	16.5	soil	-
AOC 8	SS-123(F2)-21	7/24/2007	20.5	21	soil	-
AOC 8	SS-123(F3)-5.5	7/24/2007	5	5.5	soil	-
AOC 8	SS-123(F3)-10.5	7/24/2007	10	10.5	soil	-
AOC 8	SS-123(F3)-15.5	7/24/2007	15	15.5	soil	-
AOC 8	SS-123(F3)-20.5	7/24/2007	20	20.5	soil	-
AOC 8	SS-123(F3)-25.5	7/24/2007	25	25.5	soil	-
AOC 6	SED-1	7/13/2007	0	0.5	soil	-
AOC 6	SED-2	7/13/2007	0	0.5	soil	-
AOC 6	SED-3	7/13/2007	0	0.5	soil	-
AOC 6	SED-4	7/13/2007	0	0.5	soil	-

Notes:

* No organochlorine pesticides were detected above their respective laboratory limits in any of these samples.

PCBs = polychlorinated biphenyls

feet bgs = feet below ground surface

"-" = sample not analyzed

ND = not detected

Table 7 - Summary of Analytical Results of
CAM 17 Metals Detected in Soil Samples
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in millgrams per kilogram (mg/Kg))

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Total Metals (mg/Kg) Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Sb	Se	Tl	V	Zn
AOC 3	B-1(A)-4.5	7/17/2007	4	4.5	soil	<0.25	**4.2**	**160**	**0.2**	<0.25	**10**	**40**	**28**	**0.026**	**0.59**	**60**	**8.8**	<0.5	<0.5	<0.5	**23**	**51**
AOC 3	B-1(A)-9.5	7/17/2007	9	9.5	soil	<0.25	**4.6**	**160**	**0.3**	<0.25	**13**	**56**	**26**	**0.023**	**0.41**	**85**	**8**	<0.5	<0.5	<0.5	**29**	**54**
AOC 3	B-1(A)-35	7/17/2007	34.5	35	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	B-1(A)-36.5	7/17/2007	36	36.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-5.5	7/17/2007	5	5.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-10.5	7/17/2007	10	10.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-15.5	7/17/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(A)-20.5	7/17/2007	20	20.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-5.5	7/16/2007	5	5.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-10.5	7/16/2007	10	10.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-15.5	7/16/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-20.5	7/16/2007	20	20.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(C)-5	7/16/2007	4.5	5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(C)-10.5	7/16/2007	10	10.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(C)-15.5	7/16/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(C)-20.5	7/16/2007	20	20.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(A)-3	7/17/2007	2.5	3	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(A)-4	7/17/2007	3.5	4	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(A)-9.5	7/17/2007	9	9.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(B)-2.5	7/17/2007	2	2.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(B)-5	7/17/2007	4.5	5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(B)-9	7/17/2007	8.5	9	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(C)-2.5	7/18/2007	2	2.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(C)-5.5	7/18/2007	5	5.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(C)-10.5	7/18/2007	10	10.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(D)-2.5	7/18/2007	2	2.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(D)-5.5	7/18/2007	5	5.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 3	EB-35(D)-9.5	7/18/2007	9	9.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-5.5	7/18/2007	5	5.5	soil	<0.25	**8.3**	**260**	**0.4**	<0.25	**9.8**	**27**	**35**	**0.13**	<0.2	**40**	**6.9**	**0.95**	<0.5	<0.5	**39**	**46**
AOC 7	SS-31(A)-10.5	7/18/2007	10	10.5	soil	<0.25	**5.5**	**170**	**0.5**	<0.25	**15**	**72**	**46**	**0.055**	**0.41**	**100**	**10**	**1.6**	<0.5	<0.5	**35**	**70**
AOC 7	SS-31(A)-15.5	7/18/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-20.5	7/18/2007	20	20.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-25.5	7/18/2007	25	25.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7 - Summary of Analytical Results of
CAM 17 Metals Detected in Soil Samples
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in millgrams per kilogram (mg/Kg))

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Total Metals (mg/Kg) Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Sb	Se	Tl	V	Zn
AOC 7	SS-31(A)-30.5	7/18/2007	30	30.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-40.5	7/19/2007	40	40.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-50.5	7/19/2007	50	50.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-52.5	7/19/2007	52	52.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-60.5	7/19/2007	60	60.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-65.5	7/19/2007	65	65.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-5.5	7/19/2007	5	5.5	soil	<0.25	**6.6**	**180**	**0.4**	<0.25	**16**	**65**	**34**	**0.072**	**0.31**	**100**	**11**	**1.6**	<0.5	<0.5	**34**	**63**
AOC 7	SS-31(B)-10.5	7/19/2007	10	10.5	soil	<0.25	**5.6**	**150**	**0.4**	<0.25	**12**	**59**	**28**	**0.052**	<0.2	**90**	**8.2**	**1.8**	<0.5	<0.5	**32**	**53**
AOC 7	SS-31(B)-15.5	7/19/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-20.5	7/19/2007	20	20.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-25.5	7/19/2007	25	25.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-30.5	7/19/2007	30	30.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-40	7/19/2007	39.5	40	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-50	7/19/2007	49.5	50	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-60.5	7/19/2007	60	60.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-5.5	7/20/2007	5	5.5	soil	<0.25	**7.3**	**260**	**0.4**	<0.25	**8.2**	**22**	**18**	**0.089**	<0.2	**28**	**5.2**	<0.5	<0.5	<0.5	**35**	**38**
AOC 7	SS-31(C)-10.5	7/20/2007	10	10.5	soil	<0.25	**6.3**	**270**	**0.4**	<0.25	**12**	**44**	**25**	**0.091**	<0.2	**71**	**6.4**	<0.5	<0.5	<0.5	**36**	**45**
AOC 7	SS-31(C)-15.5	7/20/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-19.5	7/20/2007	19	19.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-25.5	7/20/2007	25	25.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-30	7/20/2007	29.5	30	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-40	7/20/2007	39.5	40	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-51	7/20/2007	50.5	51	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-60.5	7/20/2007	60	60.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-67.5	7/20/2007	67	67.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-5.5	7/20/2007	5	5.5	soil	<0.25	**5**	**270**	**0.4**	<0.25	**9.7**	**39**	**22**	**0.058**	<0.2	**63**	**4.6**	<0.5	<0.5	<0.5	**30**	**38**
AOC 7	SS-31(D)-10.5	7/20/2007	10	10.5	soil	<0.25	**6**	**330**	**0.4**	<0.25	**11**	**38**	**25**	**0.087**	<0.2	**57**	**6.6**	<0.5	<0.5	<0.5	**36**	**45**
AOC 7	SS-31(D)-15	7/20/2007	14.5	15	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-19.5	7/20/2007	19	19.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-25	7/23/2007	24.5	25	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-30	7/23/2007	29.5	30	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-40	7/23/2007	39.5	40	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-50.5	7/23/2007	50	50.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-60.5	7/23/2007	60	60.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7 - Summary of Analytical Results of
CAM 17 Metals Detected in Soil Samples
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in millgrams per kilogram (mg/Kg))

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Total Metals (mg/Kg) Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Sb	Se	Tl	V	Zn
AOC 8	SS-123(AA)-5.5	7/24/2007	5	5.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-7.5	7/24/2007	7	7.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-10.5	7/24/2007	10	10.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-15.5	7/24/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-18	7/24/2007	17.5	18	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F1)-5.5	7/23/2007	5	5.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F1)-15.5	7/23/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-6	7/23/2007	5.5	6	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-11.5	7/23/2007	11	11.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-16.5	7/23/2007	16	16.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-21	7/24/2007	20.5	21	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-5.5	7/24/2007	5	5.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-10.5	7/24/2007	10	10.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-15.5	7/24/2007	15	15.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-20.5	7/24/2007	20	20.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-25.5	7/24/2007	25	25.5	soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 6	SED-1	7/13/2007	0	0.5	soil	<0.25	**3.6**	**120**	**0.3**	<0.25	**9**	**43**	**23**	**0.04**	**0.26**	**64**	**5**	<0.5	<0.5	<0.5	**23**	**42**
AOC 6	SED-2	7/13/2007	0	0.5	soil	<0.25	**2.9**	**96**	**0.2**	<0.25	**7.5**	**37**	**20**	**0.053**	**0.41**	**55**	**5.6**	<0.5	<0.5	<0.5	**19**	**47**
AOC 6	SED-3	7/13/2007	0	0.5	soil	<0.25	**2.9**	**120**	**0.3**	<0.25	**8.6**	**44**	**32**	**0.065**	**0.58**	**67**	**8.5**	<0.5	<0.5	<0.5	**22**	**70**
AOC 6	SED-4	7/13/2007	0	0.5	soil	<0.25	**3.4**	**140**	**0.3**	<0.25	**10**	**49**	**33**	**0.051**	**0.33**	**76**	**7.6**	**0.57**	<0.5	<0.5	**25**	**59**
ESLs		shallow soils (less than 10 feet bgs)				40	5.5	1,500	8	7.4	10	58	230	10	40	150	750	40	10	13	200	600
ESLs		deep soils (greater than 10 feeet bgs)				3,600	5.5	2,500	36	38	10	58	5,000	98	3,600	1,000	750	280	3,400	47	5,000	5,000

Table 7 - Summary of Analytical Results of
CAM 17 Metals Detected in Soil Samples
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in millgrams per kilogram (mg/Kg))

Sample Location	Sample ID	Date Sampled	Sample Interval top (feet bgs)	Sample Interval bottom (feet bgs)	Matrix	Total Metals (mg/Kg) Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Sb	Se	Tl	V	Zn

Notes:

Ag = silver
As = arsenic
Ba = barium
Be = beryllium
Cd = cadmium
Co = cobalt
Cr = Chromium
Cu = Copper
Hg = Mercury
Mo = Molybdenum
Ni = Nickel
Pb = Lead
Sb = Antimony
Se = Selenium
Tl = Thallium
V = Vanadium
Zn = Zinc

feet bgs = feet below ground surface

mg/Kg = milligrams per kilogram

bold indicates that the compound was detected above the laboratory reporting limi

10 boxed values exceed the respective ESL.

"<" = not detected above the laboratory report given

"-" = sample not analyzed or ESL not established

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 8A - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Groundwater and Surface Water Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Total Petroleum Hydrocarbons			BTEX compounds				
					TPHd (ug/L)	TPHmo (ug/L)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	m,p-X (ug/L)	o-X (ug/L)
AOC 3	B-1(A)-GGW	7/18/2007	~ 67.6	water	**79 HY**	**1,100 H**	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 2	EB-31(B)-GGW	7/16/2007	~ 64.8	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 7	SS-31(A)-GGW	7/19/2007	~ 65.2	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 7	SS-31(B)-GGW	7/20/2007	~ 66	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 7	SS-31(C)-GGW	7/20/2007	~ 66	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 7	SS-31(D)-GGW	7/23/2007	~ 66.8	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 8	SS-123(AA)-GGW	7/24/2007	~15.7	water	**340 HY**	**2,400 HL**	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 8	SS-123(F1)-GGW	7/23/2007	~ 20.8	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 8	SS-123(F2)-GGW	7/24/2007	~ 25.8	water	**990 HY**	**4,000 HL**	<50	<0.5	**2.2**	<0.5	<0.5	<0.5
AOC 8	SS-123(F3)-GGW	7/24/2007	~ 26.9	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
AOC 6	PW-2	7/13/2007	surface	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
ESLs					100	100	100	1	40	30	20	20

Notes:

feet bgs = feet below ground surface

ug/L = micrograms per liter

TPHd = total petroleum hydrocarbons as diesel

TPHmo = total petroleum hydrocarbons as motor oil

TPHg = total petroleum hydrocarbons as gasoline

BTEX = benzene, toluene, ethylbenzene, and total xylenes

B = benzene

T = toluene

E = ethylbenzene

m,p-X = m,p-xylenes

o-X = o-xylenes

bold indicates that the compound was detected above the laboratory reporting limit.

990 HY boxed values exceed the respective ESL.

H = heavier hydrocarbons contributed to the quantitation

Y = sample exhibits chromatographic pattern that does not resemble standard

L = lighter hydrocarbons contributed to the quantitation

"<" = not detected above the laboratory report given

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 8B - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Groundwater and Surface Water Samples Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Fuel Oxygenates					Lead Scavengers	
					MTBE (ug/L)	TAME (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TBA (ug/L)	EDB (ug/L)	EDC (ug/L)
AOC 3	B-1(A)-GGW	7/18/2007	~ 67.6	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 2	EB-31(B)-GGW	7/16/2007	~ 64.8	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 7	SS-31(A)-GGW	7/19/2007	~ 65.2	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 7	SS-31(B)-GGW	7/20/2007	~ 66	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 7	SS-31(C)-GGW	7/20/2007	~ 66	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 7	SS-31(D)-GGW	7/23/2007	~ 66.8	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 8	SS-123(AA)-GGW	7/24/2007	~15.7	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 8	SS-123(F1)-GGW	7/23/2007	~ 20.8	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 8	SS-123(F2)-GGW	7/24/2007	~ 25.8	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 8	SS-123(F3)-GGW	7/24/2007	~ 26.9	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
AOC 6	PW-2	7/13/2007	surface	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
ESLs					2	-	-	-	12	0.05	0.5

Notes:

feet bgs = feet below ground surface

ug/L = micrograms per liter

MTBE = methyl tert-butyl ether

TAME = tert-amyl methyl ether (methyl tert-amyl ether)

DIPE = diisopropyl ether (isopropyl ether)

ETBE = ethyl tert-butyl ether

TBA = tert-butyl alcohol

EDB = 1,2-dibromoethane (ethylene dibromide)

EDC = 1,2-dichloroethane

"<" = not detected above the laboratory report given

"-" = ESL not established

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 9 - Summary of Analytical Results of
Volatile Organic Compounds Detected in Groundwater and Surface-Water Samples
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Volatile Organic Compounds *					
					Acetone (ug/L)	Carbon Disulfide (ug/L)	para-Isopropyl Toluene (ug/L)	Naphthalene (ug/L)	Toluene (ug/L)	1,2,4-Trimethylbenzene (ug/L)
AOC 3	B-1(A)-GGW	7/18/2007	~ 67.6	water	**10**	<0.5	<0.5	<2	<0.5	<0.5
AOC 2	EB-31(B)-GGW	7/16/2007	~ 64.8	water	<10	<0.5	<0.5	<2	<0.5	<0.5
AOC 7	SS-31(A)-GGW	7/19/2007	~ 65.2	water	<10	<0.5	<0.5	<2	<0.5	<0.5
AOC 7	SS-31(B)-GGW	7/20/2007	~ 66	water	<10	<0.5	<0.5	<2	<0.5	<0.5
AOC 7	SS-31(C)-GGW	7/20/2007	~ 66	water	<10	<0.5	<0.5	<2	<0.5	<0.5
AOC 7	SS-31(D)-GGW	7/23/2007	~ 66.8	water	<10	<0.5	<0.5	<2	<0.5	<0.5
AOC 8	SS-123(AA)-GGW	7/24/2007	~15.7	water	<10	<0.5	<0.5	<2	<0.5	<0.5
AOC 8	SS-123(F1)-GGW	7/23/2007	~ 20.8	water	<10	<0.5	<0.5	<2	<0.5	<0.5
AOC 8	SS-123(F2)-GGW	7/24/2007	~ 25.8	water	<10	**0.5**	**0.7**	**4.6**	**2.2**	**0.7**
AOC 8	SS-123(F3)-GGW	7/24/2007	~ 26.9	water	<10	<0.5	<0.5	<2	<0.5	<0.5
AOC 6	PW-2	7/13/2007	surface	water	<10	<0.5	<0.5	<2	<0.5	<0.5
ESLs					1,500	-	-	17	40	-

Notes:

* No other VOCs were detected above their respective laboratory limits in these samples.

feet bgs = feet below ground surface

ug/L = micrograms per liter

bold indicates that the compound was detected above the laboratory reporting limit.

"<" = not detected above the laboratory report given

"-" = ESL not established

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 10 - Summary of Analytical Results of
CAM17 Metals Detected in Groundwater and Surface-Water Sample
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in micrograms per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Dissolved Metals (ug/L)																
					Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Sb	Se	Tl	V	Zn
AOC 3	B-1(A)-GGW	7/18/2007	~ 67.6	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 2	EB-31(B)-GGW	7/16/2007	~ 64.8	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(A)-GGW	7/19/2007	~ 65.2	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(B)-GGW	7/20/2007	~ 66	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(C)-GGW	7/20/2007	~ 66	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 7	SS-31(D)-GGW	7/23/2007	~ 66.8	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(AA)-GGW	7/24/2007	~15.7	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F1)-GGW	7/23/2007	~ 20.8	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F2)-GGW	7/24/2007	~ 25.8	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 8	SS-123(F3)-GGW	7/24/2007	~ 26.9	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AOC 6	PW-2	7/13/2007	surface	filtrate	<5	**5.5**	**170**	<2	<5	<5	<5	<5	<0.2	<5	**6**	<3	<10	<10	<10	<5	**24**
ESLs					0.19	36	1,000	2.7	1.1	3	50	3.1	0.012	35	8.2	2.5	6	5	2	15	81

Notes:

feet bgs = feet below ground surface

ug/L = micrograms per liter

"-" = sample not analyzed

"<" = not detected above the laboratory report given

bold indicates that the compound was detected above the laboratory reporting limit.

Ag = Silver
As = Arsenic
Ba = Barium
Be = Beryllium
Cd = Cadmium
Co = Cobalt
Cr = Chromium
Cu = Copper
Hg = Mercury
Mo = Molybdenum
Ni = Nickel
Pb = Lead
Sb = Antimony
Se = Selenium
Tl = Thallium
V = Vanadium
Zn = Zinc

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 11A - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Samples from Groundwater Monitoring Wells Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Total Petroleum Hydrocarbons			BTEX compounds				
					TPHd (ug/L)	TPHmo (ug/L)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	m,p-X (ug/L)	o-X (ug/L)
3S/1E 14D1	TW-5	7/12/2007	~ 50	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3S/1E 10D8	3S/1E 10D8	7/25/2007	~ 200	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3S/1E 10K2	3S/1E 10K2	7/25/2007	~ 300	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3S/1E 10K2	MW-10	7/25/2007	~ 300	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3S/1E 10N3	3S/1E 10N3	7/25/2007	~ 180	water	<50	<300	<50	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	TB-072507	7/25/2007	na	water	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
ESLs					100	100	100	1	40	30	20	20

Notes:

feet bgs = feet below ground surface

ug/L = micrograms per liter

MW-10 = blind duplicate of 3S/1E 10K2

TPHd = total petroleum hydrocarbons as diesel

TPHmo = total petroleum hydrocarbons as motor oil

TPHg = total petroleum hydrocarbons as gasoline

BTEX = benzene, toluene, ethylbenzene, and total xylenes

B = benzene

T = toluene

E = ethylbenzene

m,p-X = m,p-xylenes

o-X = o-xylenes

"<" = not detected above the laboratory report given

"-" = sample not analyzed or ESL not established

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table11B - Summary of Analytical Results of Petroleum Hydrocarbons and Associated Compounds Detected in Samples from Groundwater Monitoring Wells Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Fuel Oxygenates					Lead Scavengers	
					MTBE (ug/L)	TAME (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TBA (ug/L)	EDB (ug/L)	EDC (ug/L)
3S/1E 14D1	TW-5	7/12/2007	~ 50	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
3S/1E 10D8	3S/1E 10D8	7/25/2007	~ 200	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
3S/1E 10K2	3S/1E 10K2	7/25/2007	~ 300	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
3S/1E 10K2	MW-10	7/25/2007	~ 300	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
3S/1E 10N3	3S/1E 10N3	7/25/2007	~ 180	water	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
Trip Blank	TB-072507	7/25/2007	na	water	<0.5	-	-	-	-	<0.5	<0.5
ESLs					5	-	-	-	12	0.05	0.5

Notes:

feet bgs = feet below ground surface

ug/L = micrograms per liter

MW-10 = blind duplicate of 3S/1E 10K2

MTBE = methyl tert-butyl ether

TAME = tert-amyl methyl ether (methyl tert-amyl ether)

DIPE = diisopropyl ether (isopropyl ether)

ETBE = ethyl tert-butyl ether

TBA = tert-butyl alcohol

EDB = ethylene dibromide (1,2-dibromoethane)

EDC = 1,2-dichloroethane

"<" = not detected above the laboratory report given

"-" = sample not analyzed or ESL not established

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 12 - Summary of Analytical Results of
Volatile Organic Compounds Detected in Samples from Groundwater Monitoring Wells
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Volatile Organic Compounds * Bromomethane (ug/L)
3S/1E 14D1	TW-5	7/12/2007	~ 50	water	< 1
3S/1E 10D8	3S/1E 10D8	7/25/2007	~ 200	water	< 1
3S/1E 10K2	3S/1E 10K2	7/25/2007	~ 300	water	< 1
3S/1E 10K2	MW-10	7/25/2007	~ 300	water	< 1
3S/1E 10N3	3S/1E 10N3	7/25/2007	~ 180	water	< 1
Trip Blank	TB-072507	7/25/2007	na	water	**0.6 J**
ESLs					9.8

Notes:

feet bgs = feet below ground surface

ug/L = micrograms per liter

MW-10 = blind duplicate of 3S/1E 10K2

* No other VOCs were detected above their respective laboratory limits in these samples.

VOCs = volatile organic compounds

bold indicates that the compound was detected above the laboratory reporting limit.

"<" = not detected above the laboratory report given

"J" = estimated value below the laboratory reporting limit

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 13 - Summary of Analytical Results of Semivolatile Organic Compounds Detected in Samples from Groundwater Monitoring Wells Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in milligrams per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Semi-Volatile Organic Compounds * bis(2-Ethylhexyl)phthalate (ug/L)
3S/1E 14D1	TW-5	7/12/2007	~ 50	water	<9.4
3S/1E 10D8	3S/1E 10D8	7/25/2007	~ 200	water	**25**
3S/1E 10K2	3S/1E 10K2	7/25/2007	~ 300	water	<9.4
3S/1E 10K2	MW-10	7/25/2007	~ 300	water	<9.4
3S/1E 10N3	3S/1E 10N3	7/25/2007	~ 180	water	<9.4
Trip Blank	TB-072507	7/25/2007	na	water	-
ESLs					4

Notes:

feet bgs = feet below ground surface

ug/L = micrograms per liter

MW-10 = blind duplicate of 3S/1E 10K2

* No other SVOCs were detected above their respective laboratory limits in these samples.

SVOCs = semivolatile organic compounds

bold indicates that the compound was detected above the laboratory reporting limit.

25 boxed values exceed the respective ESL.

"<" = not detected above the laboratory report given

"-" = sample not analyzed

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.

Table 14 - Summary of Analytical Results of
CAM 17 Metals Detected in Samples from Groundwater Monitoring Wells
Hanson Radum Facility, 3000 Busch Road, Pleasanton, California

(Concentrations reported in micrograms per liter (ug/L))

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (feet bgs)	Matrix	Dissolved Metals (ug/L)															
					Ag	As	Ba	Be	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Sb	Se	Tl	V	Zn
3S/1E 14D1	TW-5	7/12/2007	~ 50	filtrate	<5	<5	**280**	<2	<5	<5	<5	<5	<0.2	<5	<5	<3	<10	<10	<10	<5	**30**
3S/1E 10D8	3S/1E 10D8	7/25/2007	~ 200	filtrate	<1	**1.2**	**370**	<1	<1	<1	**6.3**	<1	**0.63**	**1.2**	**1.3**	<1	<1	<1	<1	**3.4**	**8**
3S/1E 10K2	3S/1E 10K2	7/25/2007	~ 300	filtrate	<1	<1	**230**	<1	<1	<1	**7.6**	<1	<0.2	<1	<1	<1	<1	<1	<1	**1.5**	<5
3S/1E 10K2	MW-10	7/25/2007	~ 300	filtrate	<1	<1	**230**	<1	<1	<1	**7.8**	<1	<0.2	<1	<1	<1	<1	<1	<1	**1.6**	<5
3S/1E 10N3	3S/1E 10N3	7/25/2007	~ 180	filtrate	<1	<1	**260**	<1	<1	<1	**2.6**	<1	<0.2	<1	<1	<1	<1	<1	<1	**1.4**	<5
Trip Blank	TB-072507	7/25/2007	na	water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESLs					0.19	36	1,000	2.7	1.1	3	50	3.1	0.012	35	8.2	2.5	6	5	2	15	81

Notes:

feet bgs = feet below ground surface

ug/L = micrograms per liter

MW-10 = blind duplicate of 3S/1E 10K2

"<" = not detected above the laboratory report given

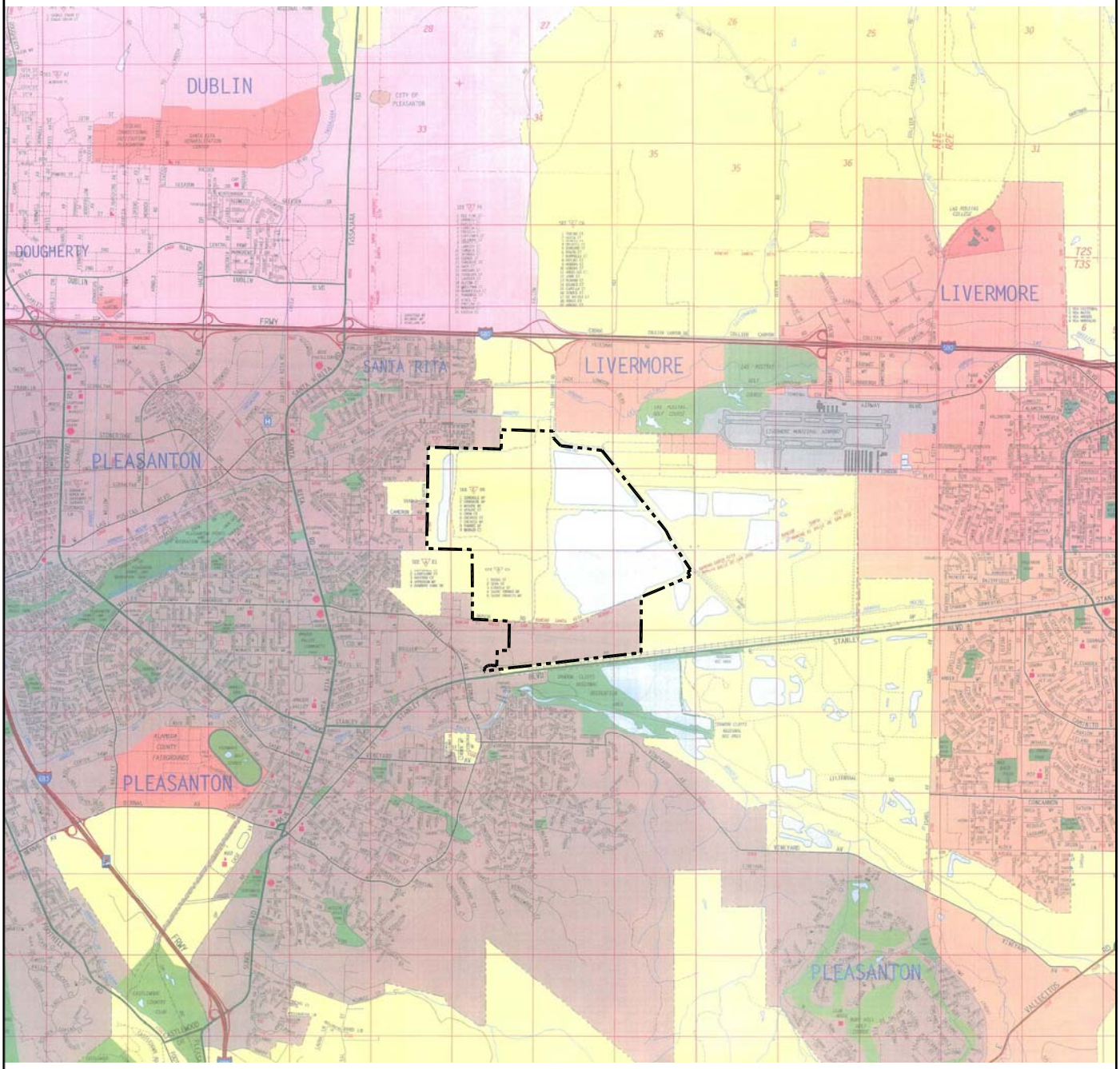
"-" = sample not analyzed

bold indicates that the compound was detected above the laboratory reporting limit.

0.63 boxed values exceed the respective ESL.

Ag = Silver
As = Arsenic
Ba = Barium
Be = Beryllium
Cd = Cadmium
Co = Cobalt
Cr = Chromium
Cu = Copper
Hg = Mercury
Mo = Molybdenum
Ni = Nickel
Pb = Lead
Sb = Antimony
Se = Selenium
Tl = Thallium
V = Vanadium
Zn = Zinc

ESLs = Environmental Screening Levels by San Francisco Bay Regional Water Quality Control Board, February 2005, for Shallow or Deep Soils (as noted) beneath Industrial/Commercial Land Use Areas where Groundwater is a Current or Potential Source of Drinking Water.



Source: Thomas Guide

EXPLANATION

Approximate Site Boundary

N

0 5000 FEET

APPROXIMATE SCALE

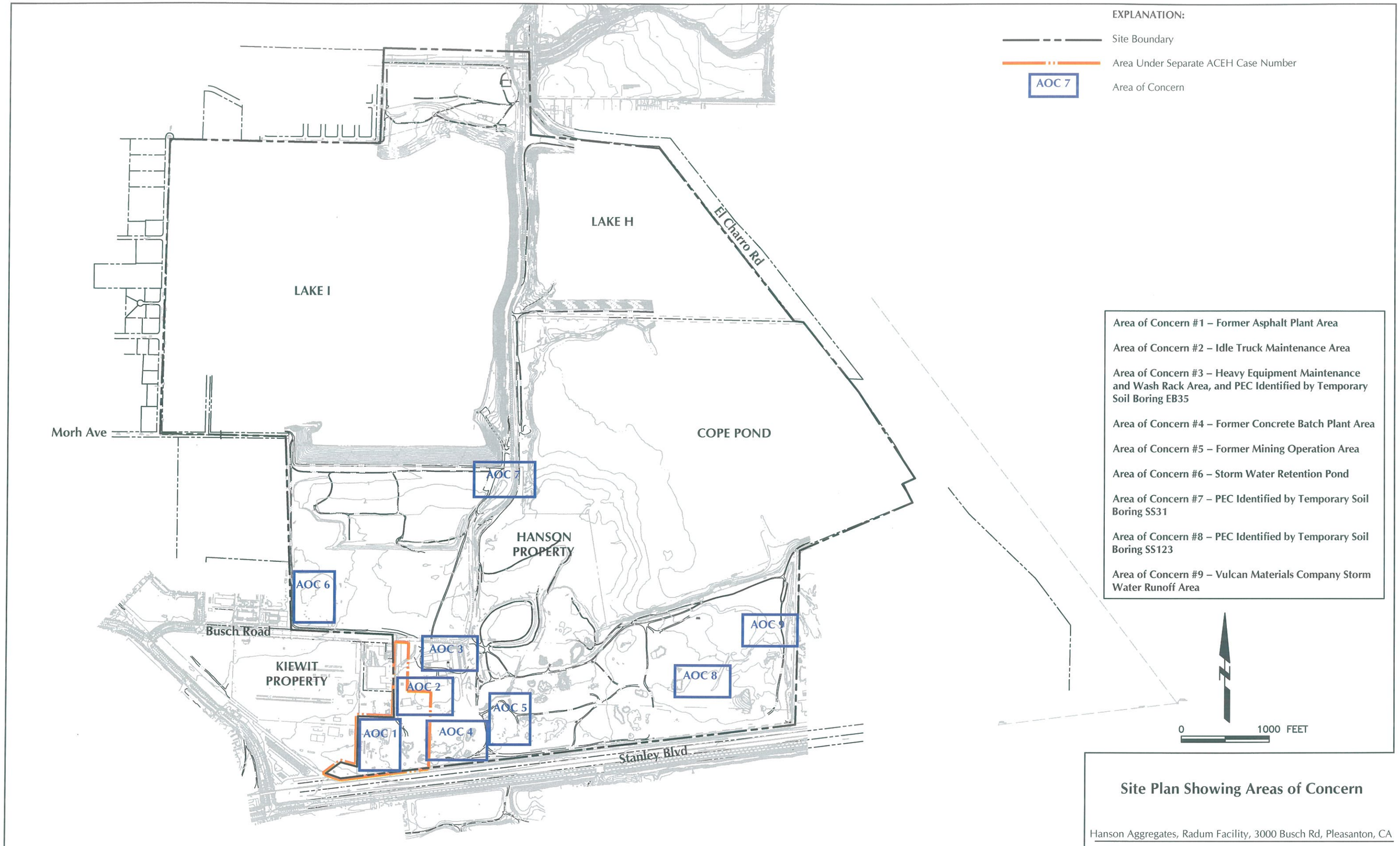
Site Location Map

Hanson Aggregates, Radum Facility, 3000 Busch Rd, Pleasanton, CA

LFR

Figure 1

I:\Design\001\09567\00\dwg\Pleasanton Drilling Locations.dwg Oct 23,2007-2:19pm



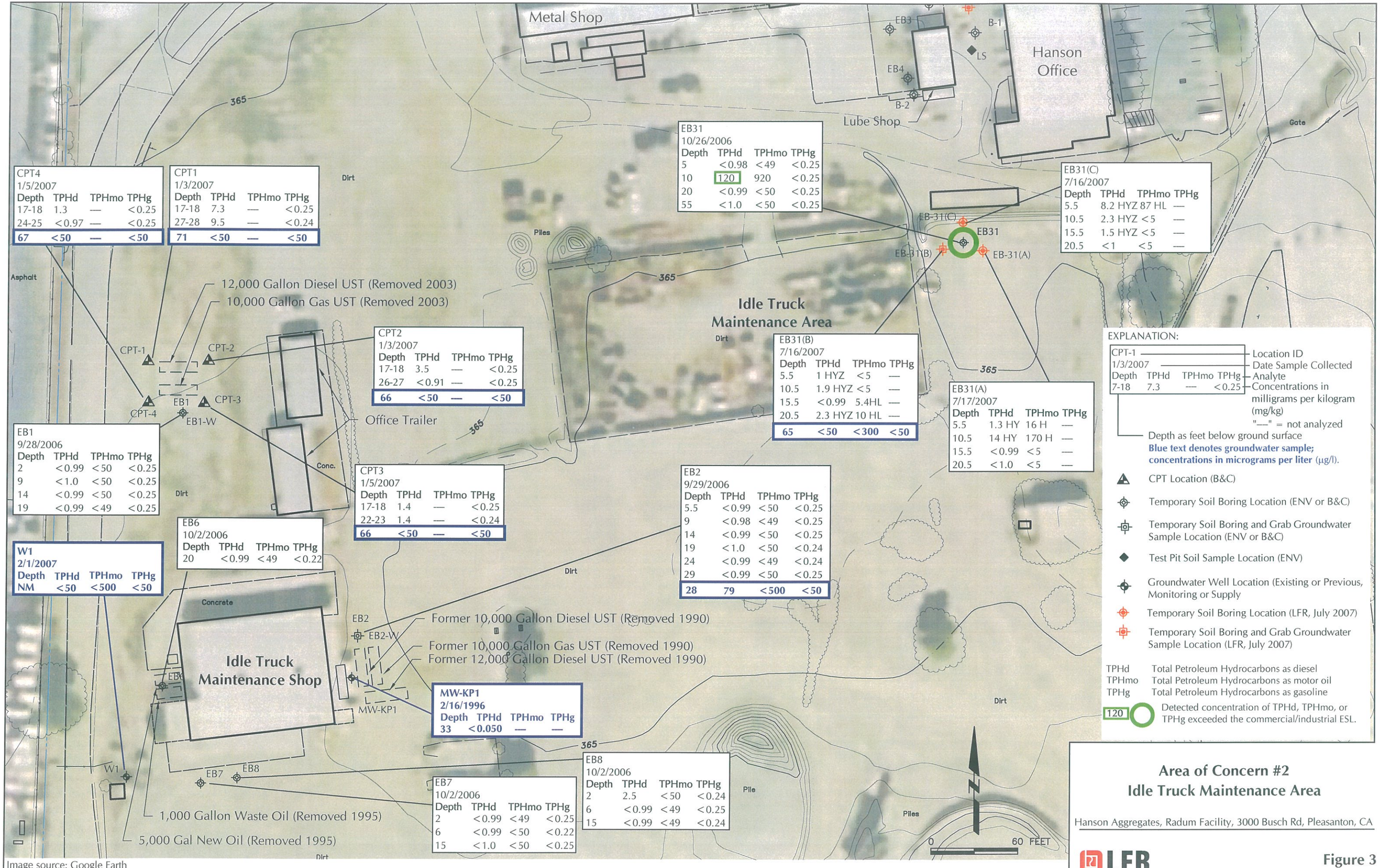
Site Plan Showing Areas of Concern

Hanson Aggregates, Radum Facility, 3000 Busch Rd, Pleasanton, CA

LFR

Figure 2

I:\Design\001\09567\02\dwg\Site Plan w AOCs.dwg Oct 23,2007-2:57pm



CPT4
1/5/2007

Depth	TPHd	TPHmo	TPHg
17-18	1.3	—	<0.25
24-25	<0.97	—	<0.25
67	**<50**	**—**	**<50**

CPT1
1/3/2007

Depth	TPHd	TPHmo	TPHg
17-18	7.3	—	<0.25
27-28	9.5	—	<0.24
71	**<50**	**—**	**<50**

CPT2
1/3/2007

Depth	TPHd	TPHmo	TPHg
17-18	3.5	—	<0.25
26-27	<0.91	—	<0.25
66	**<50**	**—**	**<50**

EB1
9/28/2006

Depth	TPHd	TPHmo	TPHg
2	<0.99	<50	<0.25
9	<1.0	<50	<0.25
14	<0.99	<50	<0.25
19	<0.99	<49	<0.25

CPT3
1/5/2007

Depth	TPHd	TPHmo	TPHg
17-18	1.4	—	<0.25
22-23	1.4	—	<0.24
66	**<50**	**—**	**<50**

EB6
10/2/2006

Depth	TPHd	TPHmo	TPHg
20	<0.99	<49	<0.22

W1
2/1/2007

Depth	TPHd	TPHmo	TPHg
NM	**<50**	**<500**	**<50**

EB31
10/26/2006

Depth	TPHd	TPHmo	TPHg
5	<0.98	<49	<0.25
10	120	920	<0.25
20	<0.99	<50	<0.25
55	<1.0	<50	<0.25

EB31(B)
7/16/2007

Depth	TPHd	TPHmo	TPHg
5.5	1 HYZ	<5	—
10.5	1.9 HYZ	<5	—
15.5	<0.99	5.4HL	—
20.5	2.3 HYZ	10 HL	—
65	**<50**	**<300**	**<50**

EB31(C)
7/16/2007

Depth	TPHd	TPHmo	TPHg
5.5	8.2 HYZ	87 HL	—
10.5	2.3 HYZ	<5	—
15.5	1.5 HYZ	<5	—
20.5	<1	<5	—

EB31(A)
7/17/2007

Depth	TPHd	TPHmo	TPHg
5.5	1.3 HY	16 H	—
10.5	14 HY	170 H	—
15.5	<0.99	<5	—
20.5	<1.0	<5	—

EB2
9/29/2006

Depth	TPHd	TPHmo	TPHg
5.5	<0.99	<50	<0.25
9	<0.98	<49	<0.25
14	<0.99	<50	<0.25
19	<1.0	<50	<0.24
24	<0.99	<49	<0.24
29	<0.99	<50	<0.25
28	**79**	**<500**	**<50**

MW-KP1
2/16/1996

Depth	TPHd	TPHmo	TPHg
33	**<0.050**	**—**	**—**

EB7
10/2/2006

Depth	TPHd	TPHmo	TPHg
2	<0.99	<49	<0.25
6	<0.99	<50	<0.22
15	<1.0	<50	<0.25

EB8
10/2/2006

Depth	TPHd	TPHmo	TPHg
2	2.5	<50	<0.24
6	<0.99	<49	<0.25
15	<0.99	<49	<0.24

EXPLANATION:

CPT-1 — Location ID
1/3/2007 — Date Sample Collected

Depth	TPHd	TPHmo	TPHg	
7-18	7.3	—	<0.25	Concentrations in milligrams per kilogram (mg/kg)

"—" = not analyzed
Depth as feet below ground surface
Blue text denotes groundwater sample; concentrations in micrograms per liter (µg/l).

- CPT Location (B&C)
- Temporary Soil Boring Location (ENV or B&C)
- Temporary Soil Boring and Grab Groundwater Sample Location (ENV or B&C)
- Test Pit Soil Sample Location (ENV)
- Groundwater Well Location (Existing or Previous, Monitoring or Supply
- Temporary Soil Boring Location (LFR, July 2007)
- Temporary Soil Boring and Grab Groundwater Sample Location (LFR, July 2007)

TPHd Total Petroleum Hydrocarbons as diesel
TPHmo Total Petroleum Hydrocarbons as motor oil
TPHg Total Petroleum Hydrocarbons as gasoline

120 — Detected concentration of TPHd, TPHmo, or TPHg exceeded the commercial/industrial ESL.

Image source: Google Earth

Area of Concern #2
Idle Truck Maintenance Area

Hanson Aggregates, Radum Facility, 3000 Busch Rd, Pleasanton, CA

LFR

Figure 3

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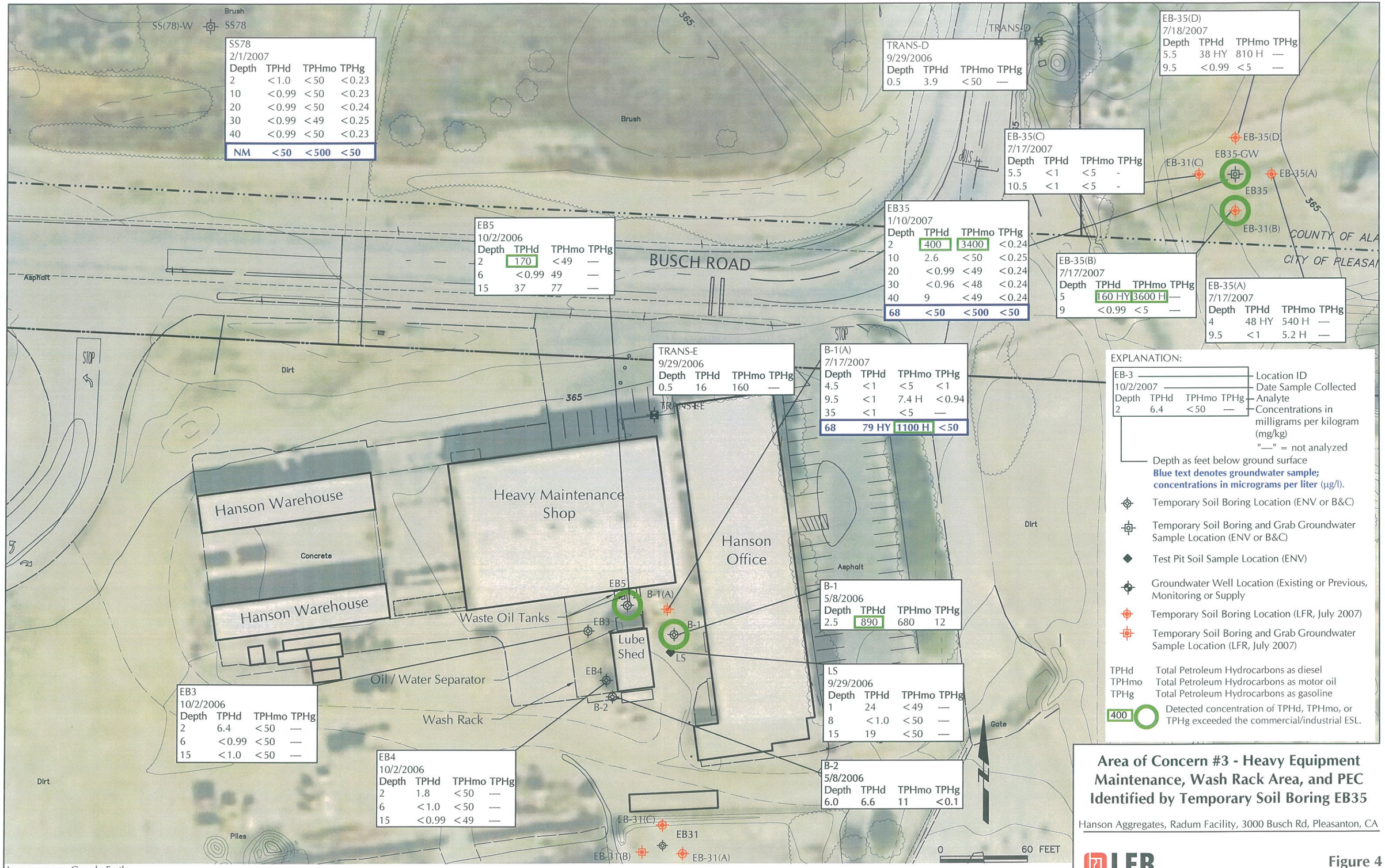

Image source: Google Earth

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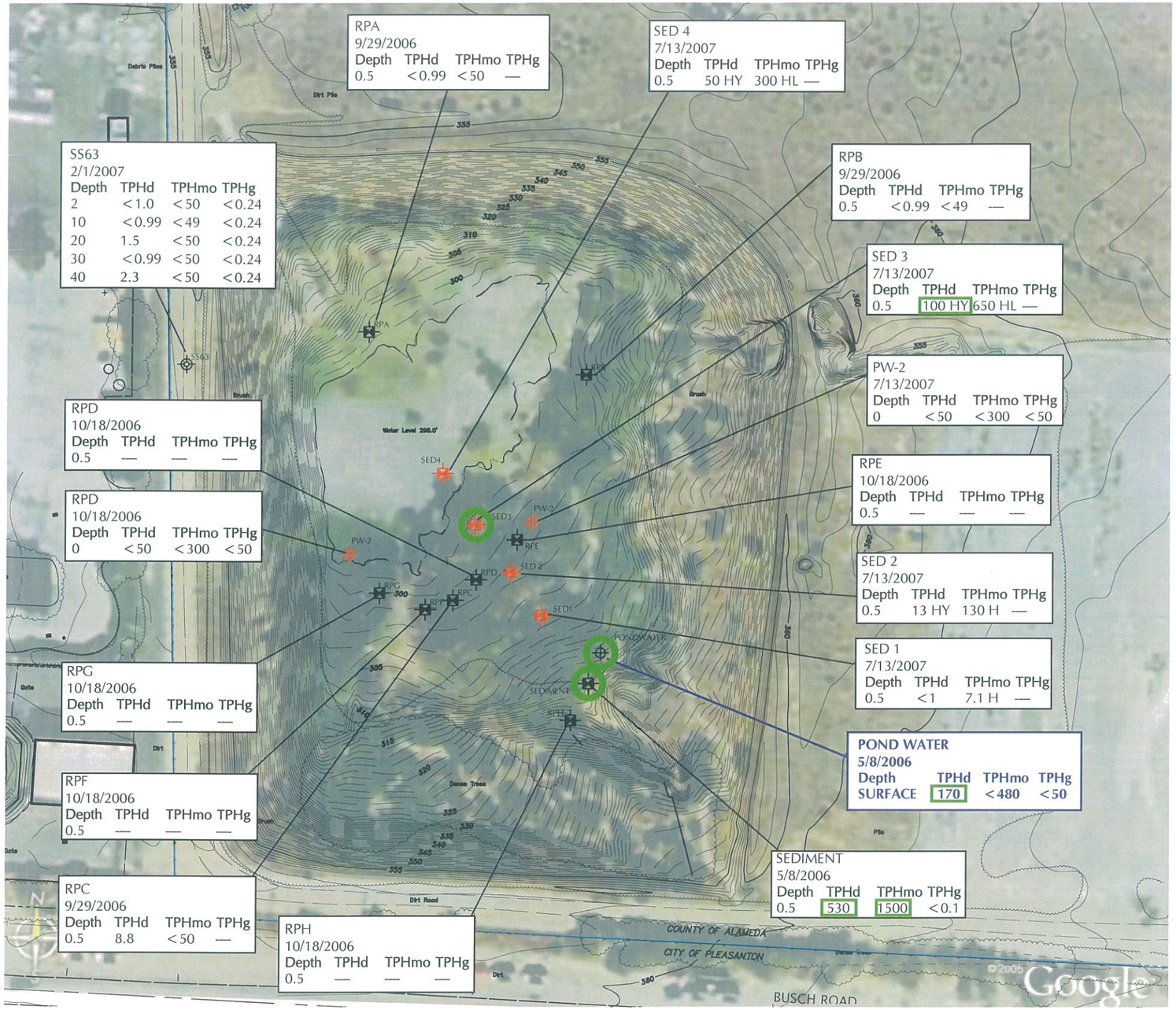
Area of Concern #3 - Heavy Equipment Maintenance, Wash Rack Area, and PEC Identified by Temporary Soil Boring EB35

Hanson Aggregates, Radum Facility, 3000 Busch Rd, Pleasanton, CA

LFR

Figure 4



EXPLANATION:

RPA — Location ID
9/29/2007 — Date Sample Collected
Depth TPHd TPHmo TPHg — Analyte
0.5 7.3 NA <0.25 — Concentrations in milligrams per kilogram (mg/kg); NAs not analyzed
Depth as feet below ground surface
Blue text denotes groundwater sample; concentrations in micrograms per liter (µg/l).

- Temporary Soil Boring Location (ENV or B&C)
- Shallow/Near Surface Grab Soil Sample Location (ENV or B&C)
- Approximate Surface Water Sample Location (ENV or B&C)
- Shallow/Near Surface Grab Soil Sample Location (LFR, July 2007)
- Approximate Surface Water Sample Location (LFR, July 2007)

TPHd Total Petroleum Hydrocarbons as diesel
TPHmo Total Petroleum Hydrocarbons as motor oil
TPHg Total Petroleum Hydrocarbons as gasoline

120 Detected concentration of TPHd, TPHmo, or TPHg exceeded the commercial/industrial ESL.

N

0 100 FEET

Area of Concern #6
Storm-Water Retention Pond

Hanson Aggregates, Radum Facility, 3000 Busch Rd, Pleasanton, CA

LFR

Figure 5

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SS22
1/31/2007

Depth	TPHd	TPHmo	TPHg
2	2.5	<50	<0.25
10	<0.99	<50	<0.25
20	11	65	<0.23
30	<0.99	<50	<0.24
40	<1.0	<50	<0.25

SS31(A)
7/18/2007

Depth	TPHd	TPHmo	TPHg
5.5	<0.99	5.9 H	<1
10.5	<1	<5	<0.94
15.5	<0.99	<5	<1.1
20.5	<1	<5	<1
25.5	<1	<5	<1
30.5	<0.99	<5	<0.98
40.5	<1	<5	<1
50.5	<0.99	<5	<0.97
52.5	<0.99	<5	<0.99
60.5	<1	<5	<1
65	**<50**	**<300**	**<50**

SS31
1/31/2007

Depth	TPHd	TPHmo	TPHg
2	210	1500	<0.24
10	14	110	<0.25
20	<1.0	<50	<0.25
30	<0.99	<50	<0.25
40	200	1500	<0.24

SS31(B)
7/19/2007

Depth	TPHd	TPHmo	TPHg
5.5	2.6 HYZ	11 H	<1
10.5	6.2 HYZ	75 HL	<0.99
15.5	1.2 YZ	6.3 H	<0.96
20.5	6.4 YZ	<5	<1
25.5	27 YZ	<5	<0.97
30.5	32 YZ	5.4 HLZ	<0.97
40	21 YZ	<5	<1
50	17 YZ	160 YZ	<1
60.5	9.2 YZ	<5	<0.99
66	**<50**	**<300**	**<50**

SS31(C)
7/20/2007

Depth	TPHd	TPHmo	TPHg
5.5	2 HYZ	<5	<1
10.5	<1	<5	<1
15.5	<0.99	<5	<0.98
19.5	2.3 YZ	<5	<0.97
25.5	<1	<5	<1
30	<1	<5	<1
40	<1	<5	<1
51	<0.99	<5	<0.99
60.5	5.7 YZ	<5	<1.1
66	**<50**	**<300**	**<50**

SS31(D)
7/20/2007

Depth	TPHd	TPHmo	TPHg
5.5	<0.99	<5	<0.96
10.5	1.7 HYZ	9.4 HL	<0.96
15.5	3.2 YZ	<5	<0.98
19.5	<0.99	<5	<0.98
25.5	<0.99	<5	<1
30	<1	<5	<0.99
40	<1	<5	<1
51	<1	<5	<0.95
60.5	<0.99	<5	<1
67	**<50**	**<300**	**<50**

EXPLANATION:

SS22 — Location ID
1/31/2007 — Date Sample Collected

Depth	TPHd	TPHmo	TPHg
2	2.5	<50	<0.25

Analyte
Concentrations in milligrams per kilogram (mg/kg)
Depth as feet below ground surface
Blue text denotes groundwater sample; concentrations in micrograms per liter (µg/l).

Temporary Soil Boring and Grab Groundwater Sample Location (LFR, July 2007)

Temporary Soil Boring Location (ENV or B&C)

TPHd Total Petroleum Hydrocarbons as diesel
TPHmo Total Petroleum Hydrocarbons as motor oil
TPHg Total Petroleum Hydrocarbons as gasoline

120 Detected concentration of TPHd, TPHmo, or TPHg exceeded the commercial/industrial ESL.

0 100 FEET

Area of Concern #7
PEC Identified by
Temporary Soil Boring SS31

Hanson Aggregates, Radum Facility, 3000 Busch Rd, Pleasanton, CA

LFR

Figure 6

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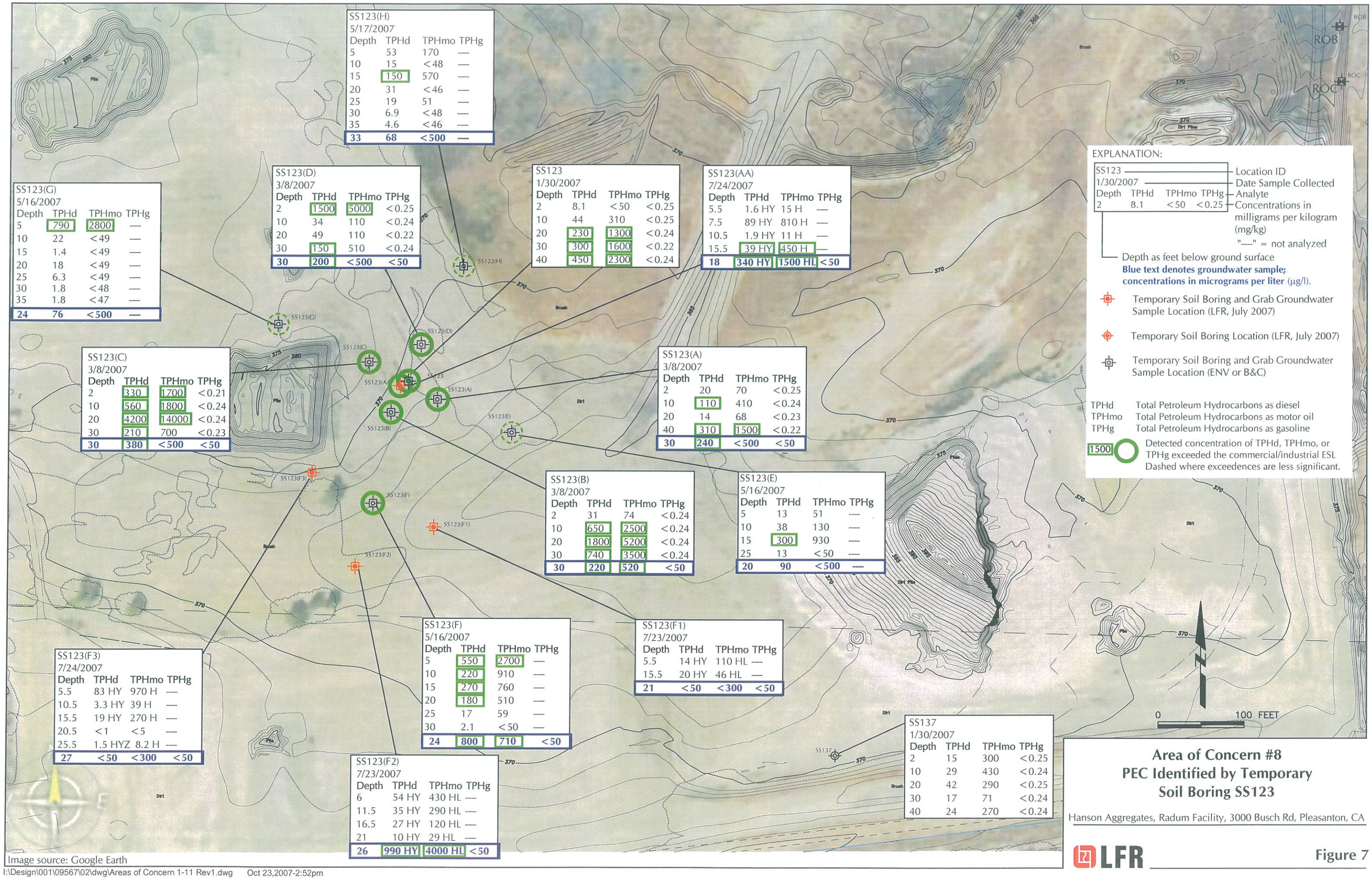

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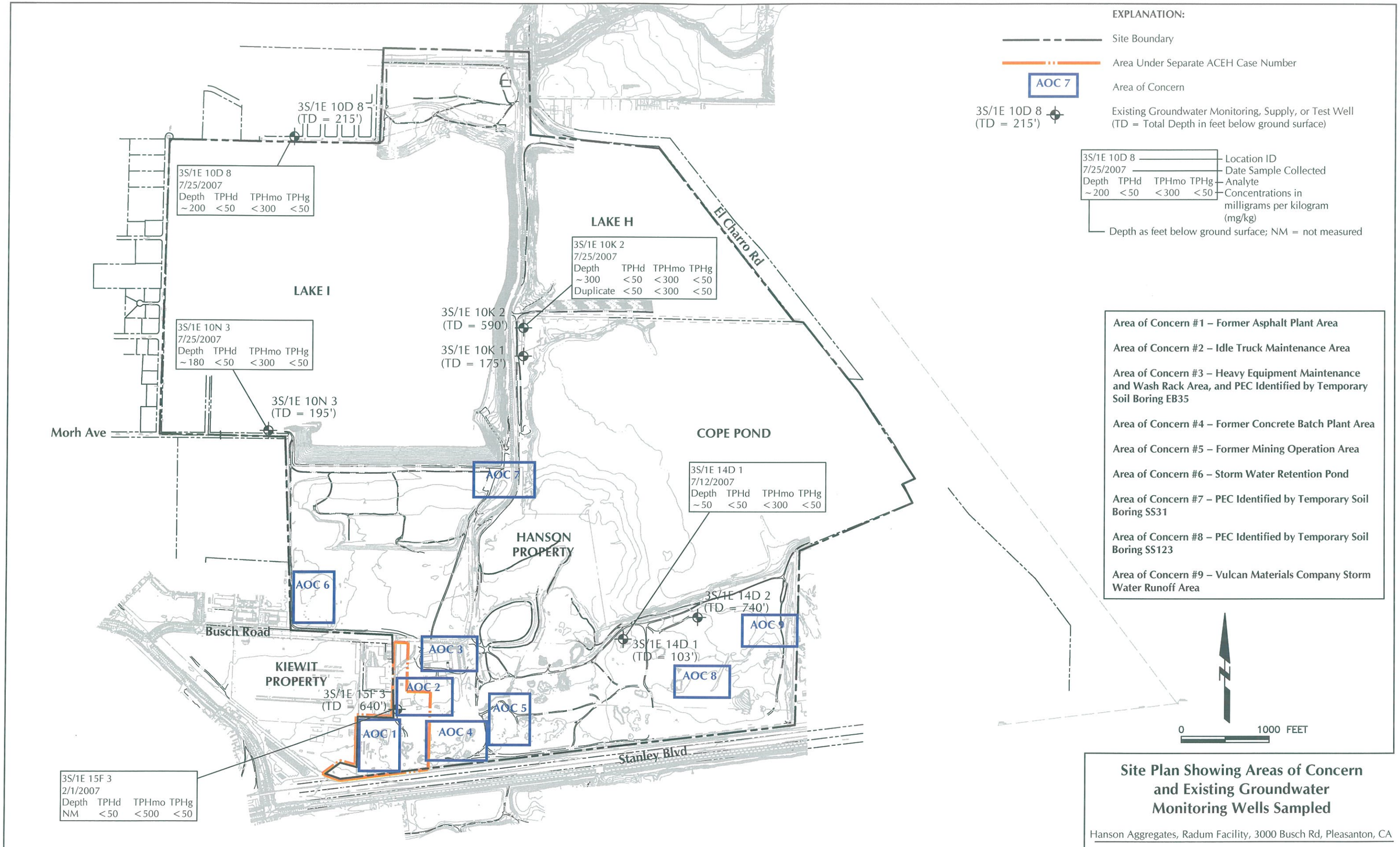
Area of Concern #8
PEC Identified by Temporary Soil Boring SS123

Hanson Aggregates, Radum Facility, 3000 Busch Rd, Pleasanton, CA

LFR

Figure 7



Site Plan Showing Areas of Concern and Existing Groundwater Monitoring Wells Sampled

Hanson Aggregates, Radum Facility, 3000 Busch Rd, Pleasanton, CA

LFR

Figure 8

I:\Design\001\09567\02\dwg\Site Plan w AOCs and Existing GW Wells.dwg Oct 23,2007-2:57pm

APPENDIX A

Soil Boring Permit

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Former hot mix asphalt Plant, Hanson-Radum 3000 Busch Rd., Pleasanton, CA

California Coordinates Source _____ ft. Accuracy _____ ft.
CCN _____ ft. CCE _____ ft.
APN _____

CLIENT
Name Hanson Aggregates Northern California
Address 3000 Busch Rd Phone 925-596-9637
City Pleasanton Zip 94566

APPLICANT
Name Katrin Schliewen
LFR, INC Fax 510-652-4906
Address 1900 Powell St. Phone 510-596-9637
City Emeryville Zip 94608

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	••	General	✓
Water Supply	••	Contamination	
Monitoring	••	Well Destruction	••

PROPOSED WELL USE

New Domestic	••	Irrigation	••
Municipal	••	Remediation	••
Industrial	••	Groundwater Monitoring	••
Dewatering	••	Other _____	••

DRILLING METHOD:

Mud Rotary	••	Air Rotary	••	Hollow Stem Auger	✓
Cable Tool	••	Direct Push	••	Other _____	••

DRILLING COMPANY HEW Drilling
DRILLER'S LICENSE NO. 604957 CA exp 10/31/2008

WELL PROJECTS
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS
Number of Borings 16 Maximum
Hole Diameter 6 in. Depth 60 ft.
Soil borings will range from 10'-60'

ESTIMATED STARTING DATE 7/16/2007
ESTIMATED COMPLETION DATE 7/24/2007

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE _____ Date 7-9-07
Katrin Schliewen

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 27122
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
4. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.

Approved Wyman Hong Date 7/13/07
Wyman Hong

Revised: April 27, 2005

APPENDIX B

Laboratory Certified Analytical Reports

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

Laboratory Job Number 195976

LFR Levine Fricke	Project : 001-09567-01
1900 Powell Street	Location : Hanson Radum
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
PW-2	195976-001
SED-1	195976-002
SED-2	195976-003
SED-3	195976-004
SED-4	195976-005

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.

Signature: _____ Date: 07/25/2007
Project Manager

Signature: _____ Date: 07/25/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**195976**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/13/07**
Samples Received:	**07/13/07**

This hardcopy data package contains sample and QC results for four soil samples and one water sample, requested for the above referenced project on 07/13/07. The samples were received cold and intact. All data were e-mailed to Larry Lapuyade on 07/23/07.

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

TPH-Extractables by GC (EPA 8015B) Soil:
Matrix spikes were not reported for this analysis because the parent sample required a dilution that would have diluted out the spikes. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Soil:
No analytical problems were encountered.

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	PW-2	Sampled:	07/13/07
Matrix:	Water	Received:	07/13/07
Units:	ug/L	Prepared:	07/17/07
Diln Fac:	1.000	Analyzed:	07/20/07
Batch#:	127341		

Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 195976-001

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

Surrogate	%REC	Limits
Hexacosane	108	61-134

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC396668

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

Surrogate	%REC	Limits
Hexacosane	110	61-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396669	Batch#:	127341
Matrix:	Water	Prepared:	07/17/07
Units:	ug/L	Analyzed:	07/20/07

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,469	99	58-130

Surrogate	%REC	Limits
Hexacosane	107	61-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127341
MSS Lab ID:	195966-005	Sampled:	07/12/07
Matrix:	Water	Received:	07/13/07
Units:	ug/L	Prepared:	07/17/07
Diln Fac:	1.000	Analyzed:	07/19/07

Type: MS Lab ID: QC396670

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	338,000	2,500	258,900 >LR	-3166 NM	57-134

Surrogate	%REC	Limits
Hexacosane	115	61-134

Type: MSD Lab ID: QC396671

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	143,100 >LR	-7797 NM	57-134	NC	32

Surrogate	%REC	Limits
Hexacosane	115	61-134

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.

Total Extractable Hydrocarbons

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/13/07
Units:	mg/Kg	Received:	07/13/07
Basis:	as received	Prepared:	07/16/07
Batch#:	127278		

Field ID:	SED-1	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/20/07
Lab ID:	195976-002	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	7.1 H	5.0

Surrogate	%REC	Limits
Hexacosane	86	40-127

Field ID:	SED-2	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/20/07
Lab ID:	195976-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	13 H Y	1.0
Motor Oil C24-C36	130 H	5.0

Surrogate	%REC	Limits
Hexacosane	93	40-127

Field ID:	SED-3	Diln Fac:	3.000
Type:	SAMPLE	Analyzed:	07/21/07
Lab ID:	195976-004	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	100 H Y	3.0
Motor Oil C24-C36	650 H L	15

Surrogate	%REC	Limits
Hexacosane	83	40-127

Field ID:	SED-4	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/20/07
Lab ID:	195976-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	50 H Y	0.99
Motor Oil C24-C36	300 H L	5.0

Surrogate	%REC	Limits
Hexacosane	74	40-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/13/07
Units:	mg/Kg	Received:	07/13/07
Basis:	as received	Prepared:	07/16/07
Batch#:	127278		

Type:	BLANK	Analyzed:	07/17/07
Lab ID:	QC396381	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	114	40-127

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

Curtis & Tompkins, Ltd.

Batch QC Report

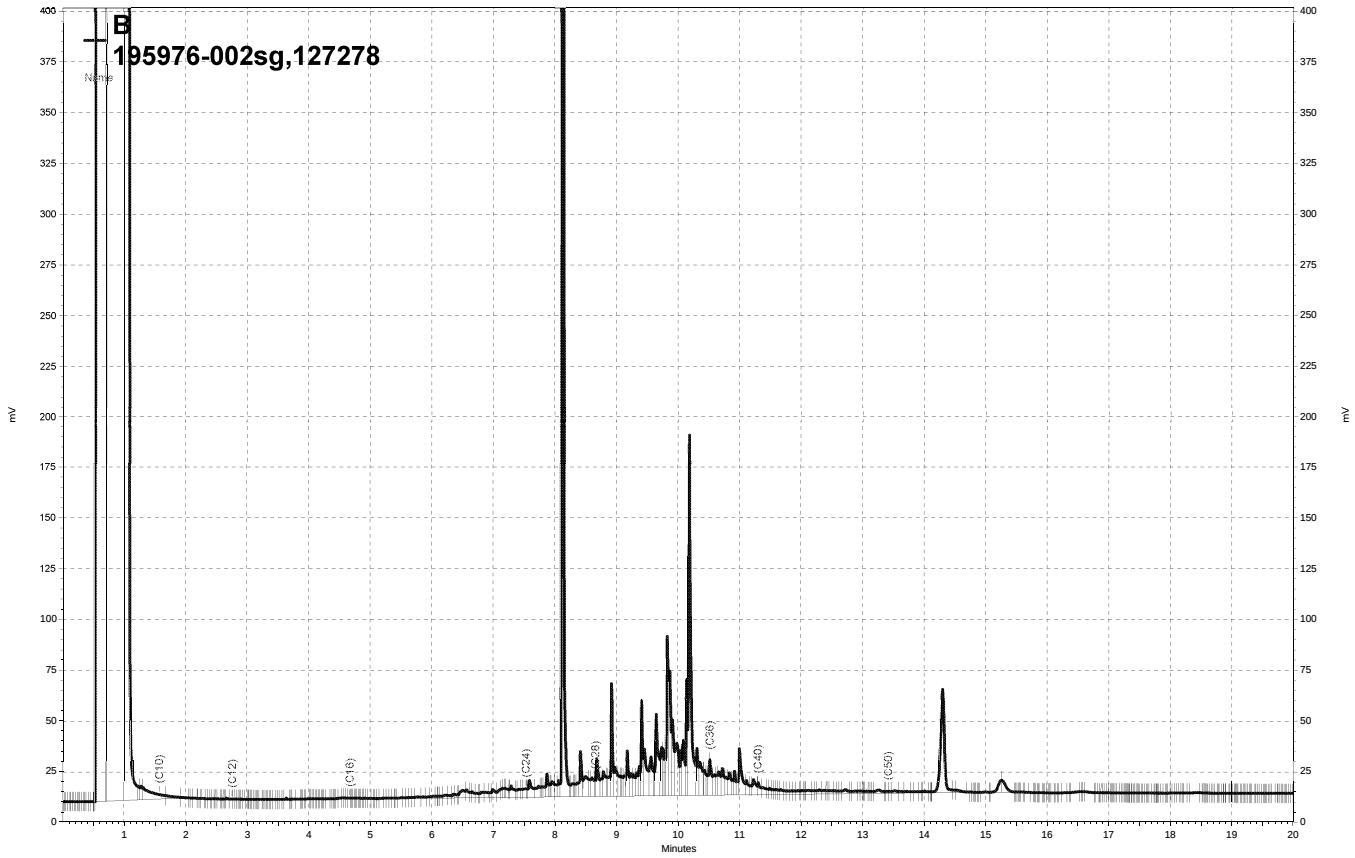
Total Extractable Hydrocarbons

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396382	Batch#:	127278
Matrix:	Soil	Prepared:	07/16/07
Units:	mg/Kg	Analyzed:	07/17/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.79	50.26	101	58-127

Surrogate	%REC	Limits
Hexacosane	105	40-127



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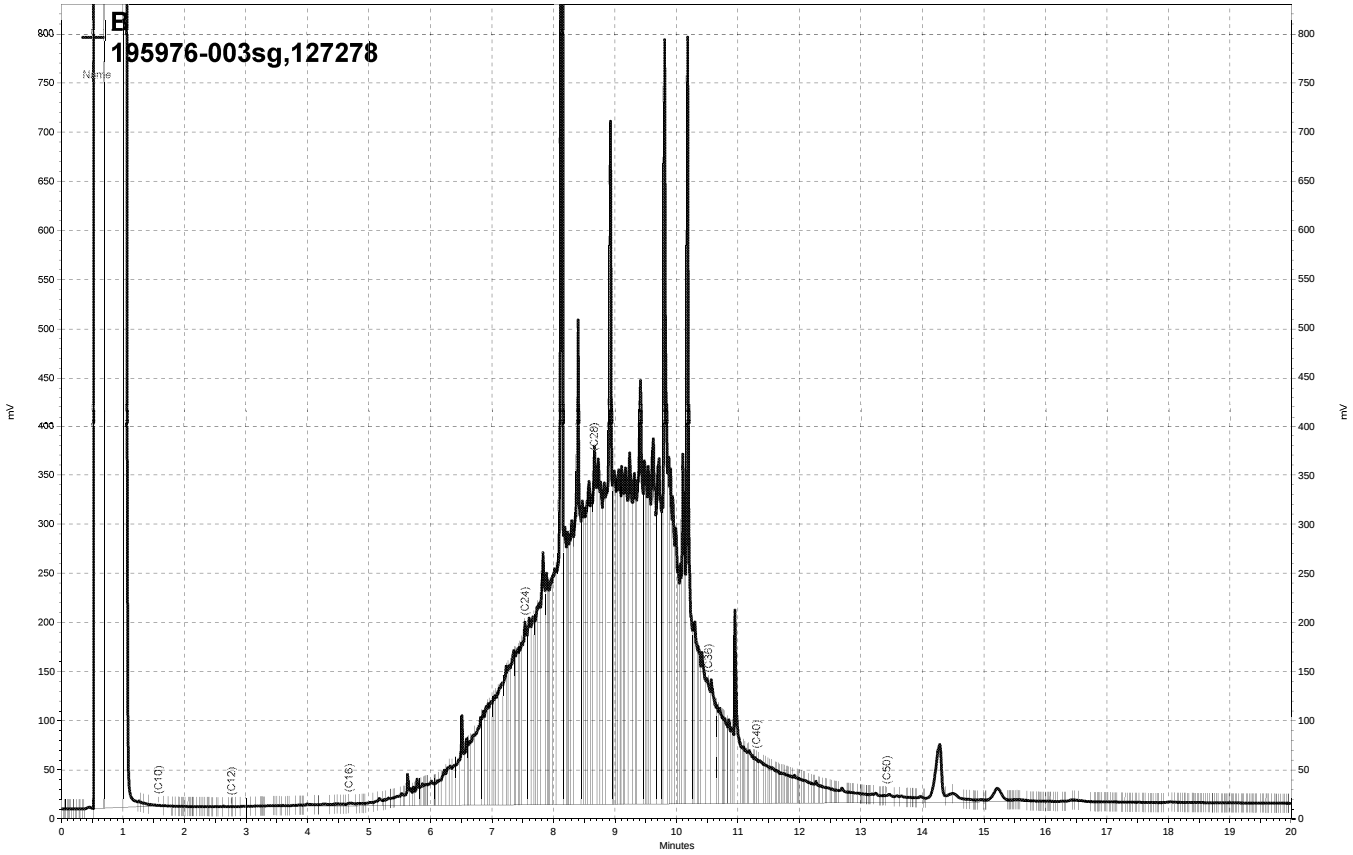

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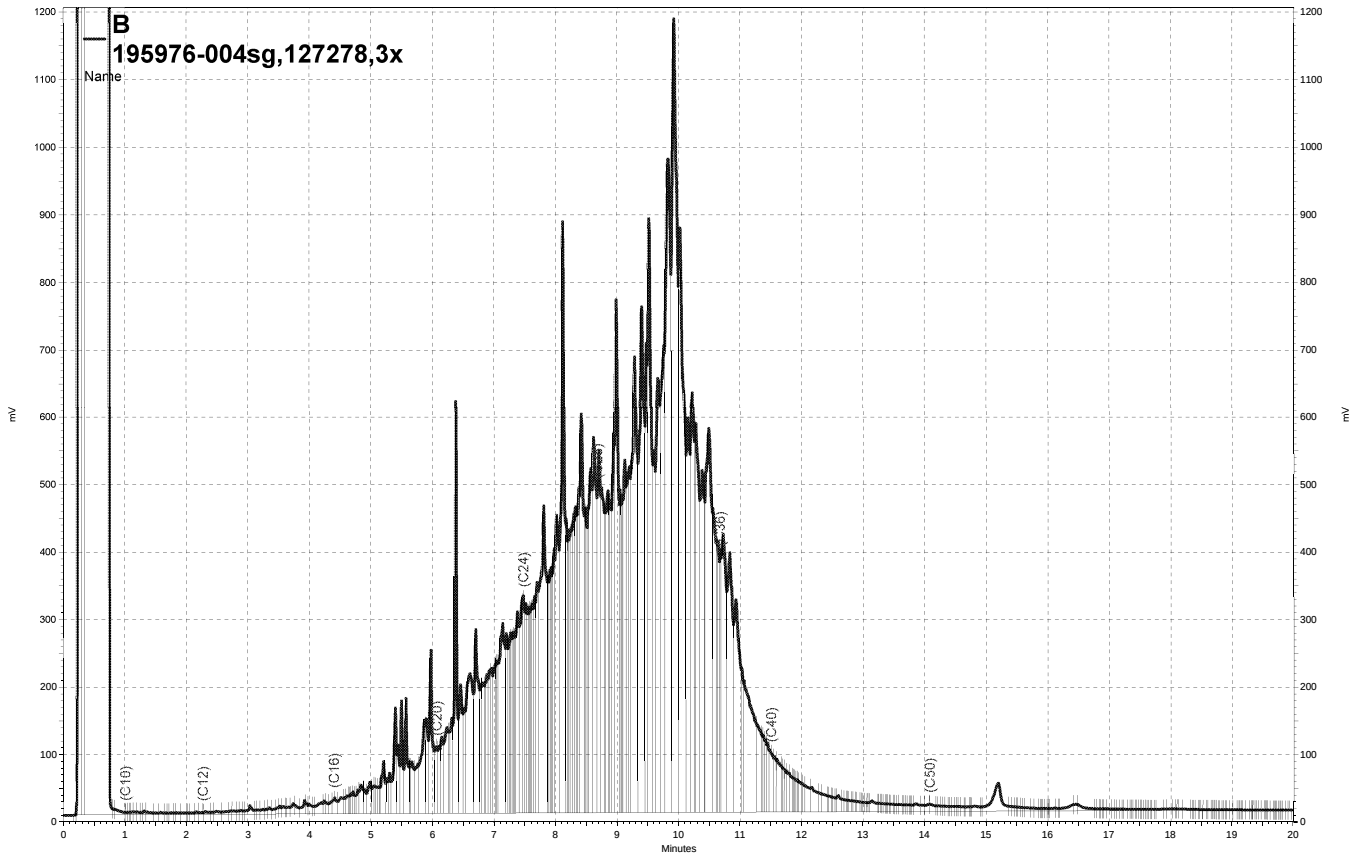

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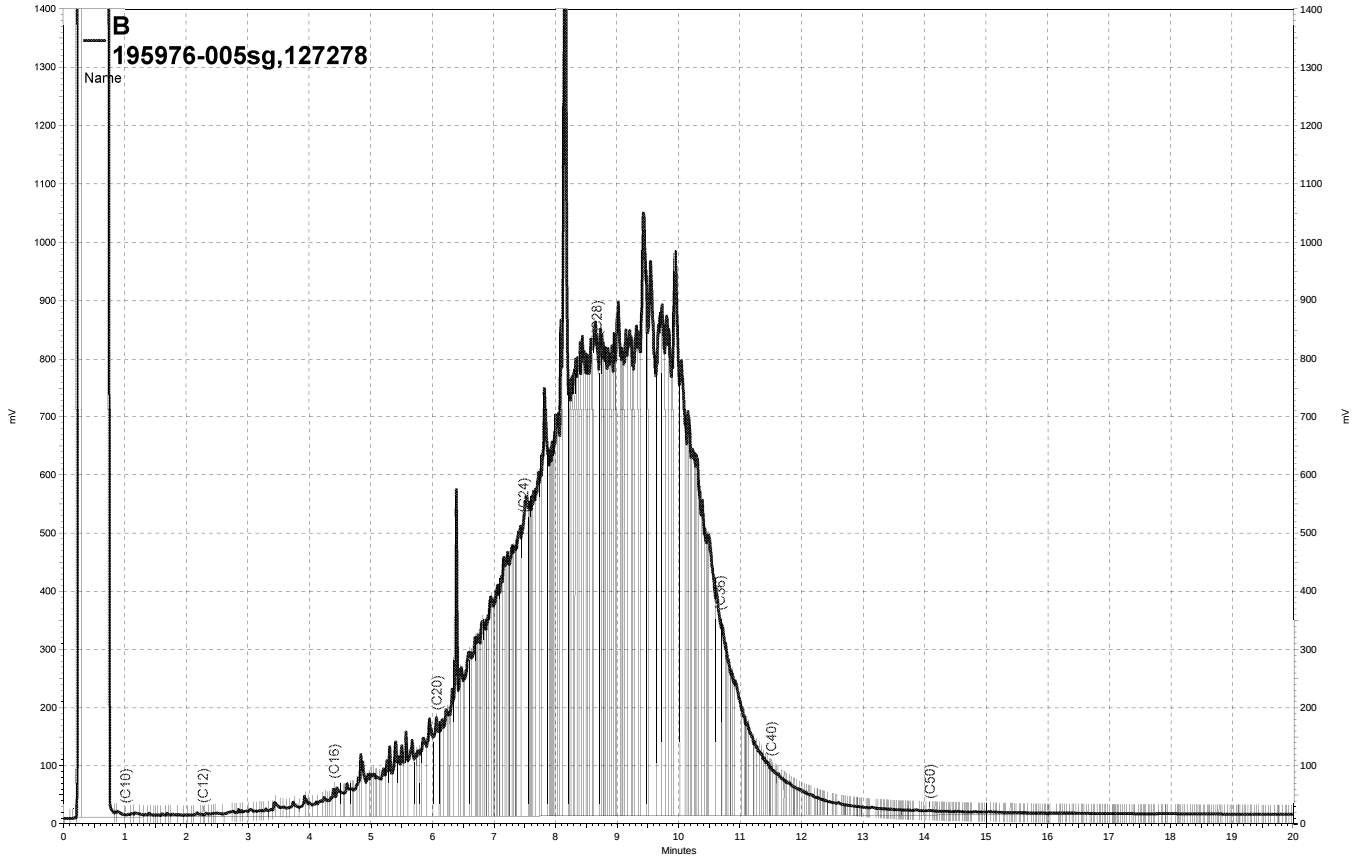

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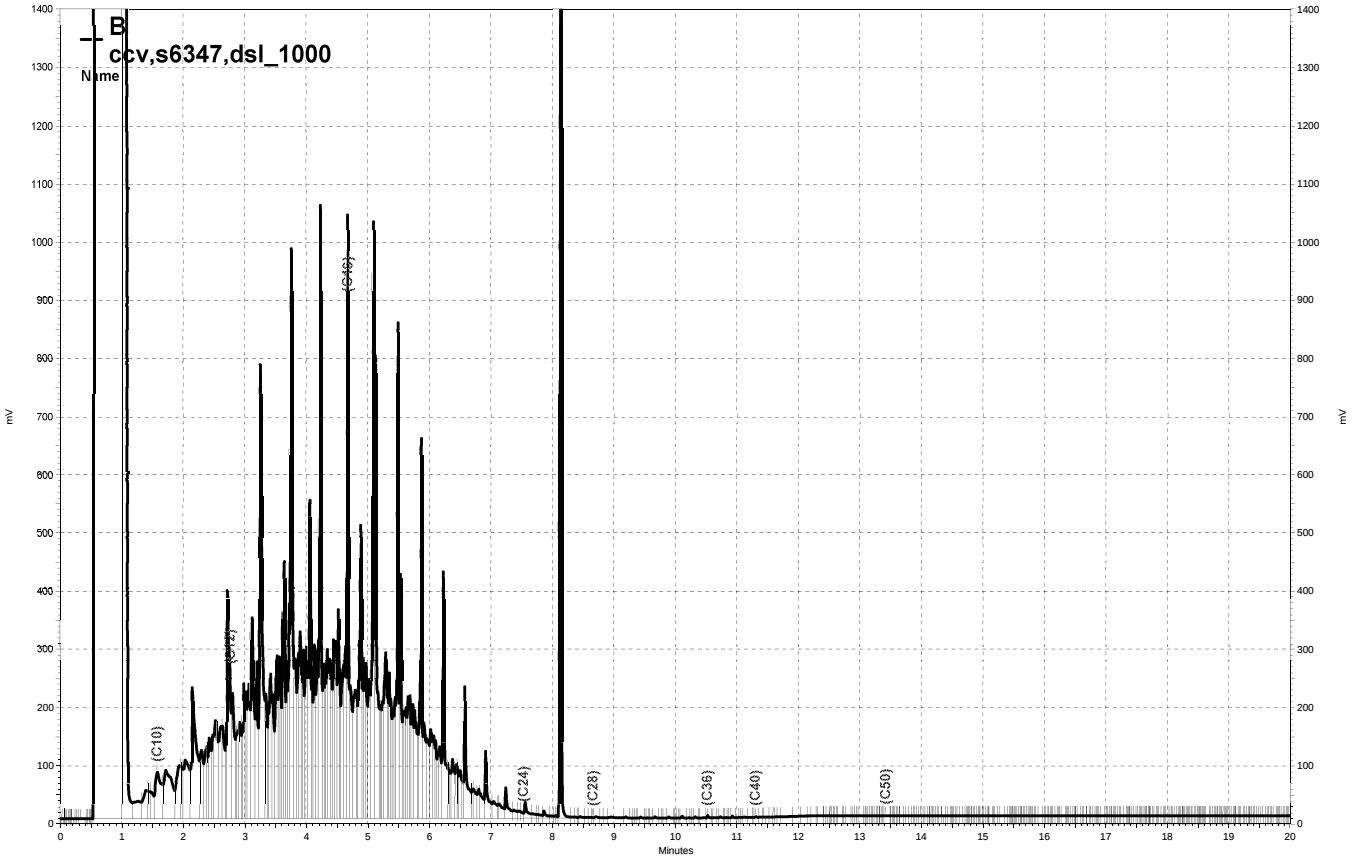

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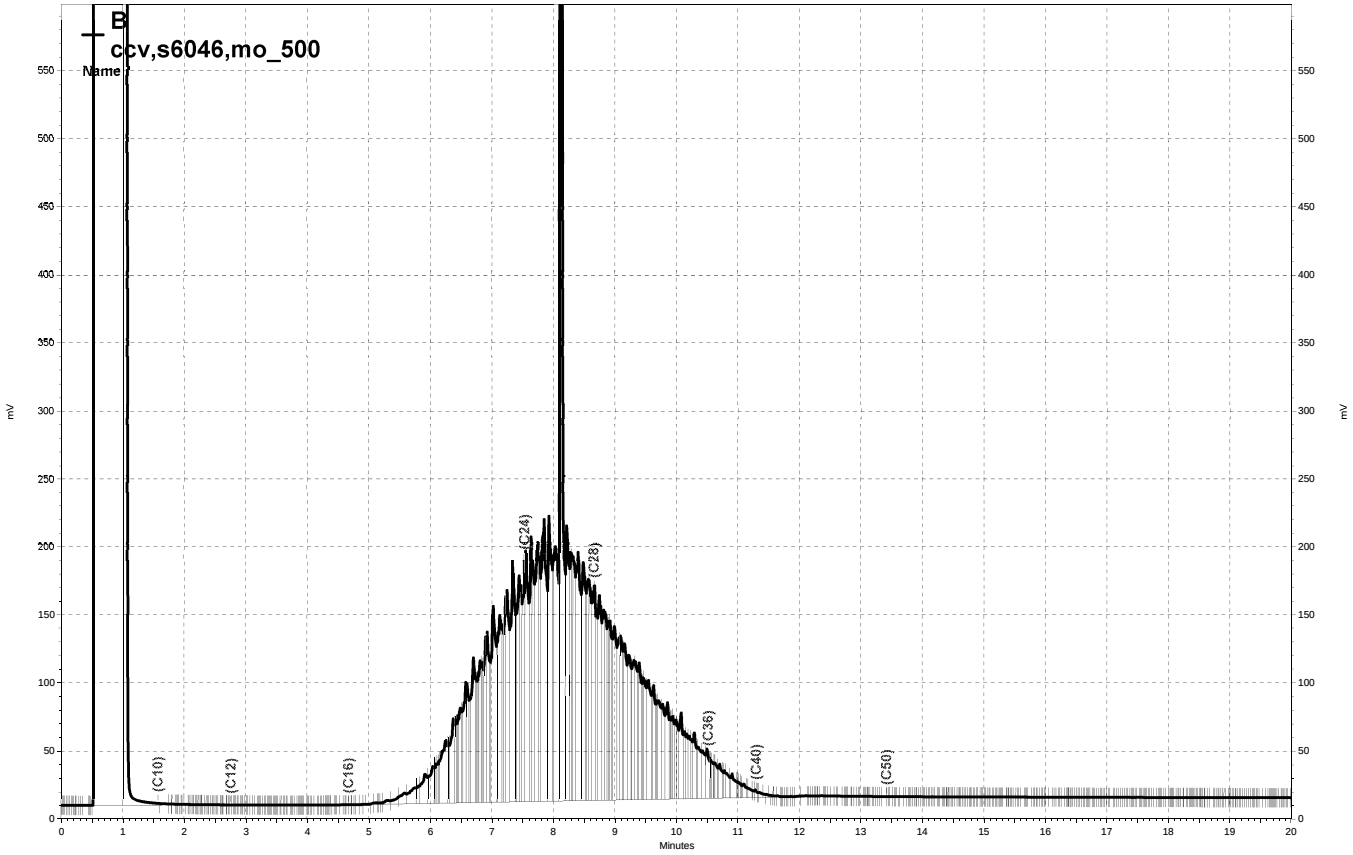

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Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	195976	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	001-09567-01		
Field ID:	PW-2	Batch#:	127216
Lab ID:	195976-001	Sampled:	07/13/07
Matrix:	Water	Received:	07/13/07
Units:	ug/L	Analyzed:	07/13/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	195976	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	001-09567-01		
Field ID:	PW-2	Batch#:	127216
Lab ID:	195976-001	Sampled:	07/13/07
Matrix:	Water	Received:	07/13/07
Units:	ug/L	Analyzed:	07/13/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	195976	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	001-09567-01		
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC396077	Batch#:	127216
Matrix:	Water	Analyzed:	07/13/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	195976	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	001-09567-01		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396077	Batch#:	127216
Matrix:	Water	Analyzed:	07/13/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	95	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	195976	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	001-09567-01		
Matrix:	Water	Batch#:	127216
Units:	ug/L	Analyzed:	07/13/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396078

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	150.0	157.5	105	68-132
Isopropyl Ether (DIPE)	30.00	25.77	86	65-120
Ethyl tert-Butyl Ether (ETBE)	30.00	29.99	100	75-124
Methyl tert-Amyl Ether (TAME)	30.00	32.54	108	77-120
1,1-Dichloroethene	30.00	32.29	108	80-132
Benzene	30.00	30.15	100	80-120
Trichloroethene	30.00	28.88	96	80-120
Toluene	30.00	31.17	104	80-120
Chlorobenzene	30.00	30.69	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	95	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC396079

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	150.0	167.4	112	68-132	6	20
Isopropyl Ether (DIPE)	30.00	27.39	91	65-120	6	20
Ethyl tert-Butyl Ether (ETBE)	30.00	30.87	103	75-124	3	20
Methyl tert-Amyl Ether (TAME)	30.00	33.64	112	77-120	3	20
1,1-Dichloroethene	30.00	34.57	115	80-132	7	20
Benzene	30.00	31.40	105	80-120	4	20
Trichloroethene	30.00	29.60	99	80-120	2	20
Toluene	30.00	32.85	110	80-120	5	20
Chlorobenzene	30.00	31.73	106	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	195976	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	001-09567-01		
Matrix:	Water	Batch#:	127216
Units:	ug/L	Analyzed:	07/13/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396080

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,500	1,352	90	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	95	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC396081

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,500	1,320	88	70-130	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	195976	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SED-1	Diln Fac:	1.000
Lab ID:	195976-002	Sampled:	07/13/07
Matrix:	Soil	Received:	07/13/07
Units:	mg/Kg	Analyzed:	07/17/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Arsenic	3.6	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Barium	120	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Beryllium	0.26	0.10	127301	07/16/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Chromium	43	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Cobalt	9.0	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Copper	23	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Lead	5.0	0.15	127301	07/16/07	EPA 3050B	EPA 6010B
Mercury	0.040	0.020	127316	07/17/07	METHOD	EPA 7471A
Molybdenum	0.26	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Nickel	64	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Vanadium	23	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Zinc	42	1.0	127301	07/16/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	195976	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SED-2	Diln Fac:	1.000
Lab ID:	195976-003	Sampled:	07/13/07
Matrix:	Soil	Received:	07/13/07
Units:	mg/Kg	Analyzed:	07/17/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Arsenic	2.9	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Barium	96	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Beryllium	0.21	0.10	127301	07/16/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Chromium	37	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Cobalt	7.5	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Copper	20	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Lead	5.6	0.15	127301	07/16/07	EPA 3050B	EPA 6010B
Mercury	0.053	0.020	127316	07/17/07	METHOD	EPA 7471A
Molybdenum	0.41	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Nickel	55	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Vanadium	19	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Zinc	47	1.0	127301	07/16/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	195976	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SED-3	Diln Fac:	1.000
Lab ID:	195976-004	Sampled:	07/13/07
Matrix:	Soil	Received:	07/13/07
Units:	mg/Kg	Analyzed:	07/17/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Arsenic	2.9	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Barium	120	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Beryllium	0.28	0.10	127301	07/16/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Chromium	44	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Cobalt	8.6	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Copper	32	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Lead	8.5	0.15	127301	07/16/07	EPA 3050B	EPA 6010B
Mercury	0.065	0.020	127316	07/17/07	METHOD	EPA 7471A
Molybdenum	0.58	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Nickel	67	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Vanadium	22	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Zinc	70	1.0	127301	07/16/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	195976	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SED-4	Diln Fac:	1.000
Lab ID:	195976-005	Sampled:	07/13/07
Matrix:	Soil	Received:	07/13/07
Units:	mg/Kg	Analyzed:	07/17/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	0.57	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Arsenic	3.4	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Barium	140	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Beryllium	0.31	0.10	127301	07/16/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Chromium	49	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Cobalt	10	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Copper	33	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Lead	7.6	0.15	127301	07/16/07	EPA 3050B	EPA 6010B
Mercury	0.051	0.020	127316	07/17/07	METHOD	EPA 7471A
Molybdenum	0.33	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Nickel	76	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127301	07/16/07	EPA 3050B	EPA 6010B
Vanadium	25	0.25	127301	07/16/07	EPA 3050B	EPA 6010B
Zinc	59	1.0	127301	07/16/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396506	Batch#:	127301
Matrix:	Soil	Prepared:	07/16/07
Units:	mg/Kg	Analyzed:	07/17/07
Basis:	as received		

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.25
Lead	ND	0.15
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 #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	127301
Units:	mg/Kg	Prepared:	07/16/07
Basis:	as received	Analyzed:	07/17/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396507

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	95.47	95	80-120
Arsenic	50.00	49.53	99	80-120
Barium	100.0	98.42	98	80-120
Beryllium	2.500	2.528	101	80-120
Cadmium	10.00	9.816	98	80-120
Chromium	100.0	95.87	96	80-120
Cobalt	25.00	23.45	94	80-120
Copper	12.50	12.33	99	80-120
Lead	100.0	94.94	95	80-120
Molybdenum	20.00	20.25	101	80-120
Nickel	25.00	23.43	94	80-120
Selenium	50.00	47.77	96	80-120
Silver	10.00	9.547	95	80-120
Thallium	50.00	48.84	98	80-120
Vanadium	25.00	24.20	97	80-120
Zinc	25.00	24.38	98	80-120

Type: BSD Lab ID: QC396508

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	96.71	97	80-120	1	20
Arsenic	50.00	50.97	102	80-120	3	20
Barium	100.0	100.1	100	80-120	2	20
Beryllium	2.500	2.577	103	80-120	2	20
Cadmium	10.00	9.956	100	80-120	1	20
Chromium	100.0	97.81	98	80-120	2	20
Cobalt	25.00	23.84	95	80-120	2	20
Copper	12.50	12.56	101	80-120	2	20
Lead	100.0	96.64	97	80-120	2	20
Molybdenum	20.00	20.67	103	80-120	2	20
Nickel	25.00	23.85	95	80-120	2	20
Selenium	50.00	49.16	98	80-120	3	20
Silver	10.00	9.798	98	80-120	3	20
Thallium	50.00	49.31	99	80-120	1	20
Vanadium	25.00	24.64	99	80-120	2	20
Zinc	25.00	24.94	100	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	127301
MSS Lab ID:	195907-001	Sampled:	07/11/07
Matrix:	Soil	Received:	07/11/07
Units:	mg/Kg	Prepared:	07/16/07
Basis:	as received	Analyzed:	07/17/07
Diln Fac:	1.000		

Type: MS Lab ID: QC396509

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.6657	99.01	38.85	39	1-129
Arsenic	14.34	49.50	59.38	91	72-120
Barium	91.91	99.01	191.5	101	49-138
Beryllium	0.3453	2.475	2.653	93	80-120
Cadmium	3.969	9.901	12.90	90	72-120
Chromium	15.09	99.01	103.1	89	63-122
Cobalt	6.420	24.75	26.93	83	61-120
Copper	17.97	12.38	29.61	94	59-137
Lead	9.150	99.01	93.33	85	55-122
Molybdenum	0.6441	19.80	16.78	81	66-120
Nickel	28.05	24.75	45.48	70	45-139
Selenium	0.05165	49.50	44.00	89	73-120
Silver	<0.05150	9.901	9.120	92	53-120
Thallium	0.2400	49.50	43.05	86	64-120
Vanadium	23.23	24.75	45.99	92	55-139
Zinc	95.99	24.75	122.8	108	49-140

Type: MSD Lab ID: QC396510

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	94.34	36.30	38	1-129	2	23
Arsenic	47.17	55.52	87	72-120	3	20
Barium	94.34	164.6	77	49-138	13	23
Beryllium	2.358	2.503	91	80-120	2	20
Cadmium	9.434	12.64	92	72-120	1	20
Chromium	94.34	97.60	87	63-122	1	20
Cobalt	23.58	24.80	78	61-120	4	23
Copper	11.79	27.54	81	59-137	5	20
Lead	94.34	90.88	87	55-122	2	26
Molybdenum	18.87	16.44	84	66-120	3	20
Nickel	23.58	39.23	47	45-139	13	26
Selenium	47.17	43.06	91	73-120	3	20
Silver	9.434	8.723	92	53-120	0	22
Thallium	47.17	42.37	89	64-120	3	20
Vanadium	23.58	42.39	81	55-139	6	20
Zinc	23.58	114.1	77 NM	49-140	6	23

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396569	Batch#:	127316
Matrix:	Soil	Prepared:	07/17/07
Units:	mg/Kg	Analyzed:	07/17/07

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127316
Units:	mg/Kg	Prepared:	07/17/07
Basis:	as received	Analyzed:	07/17/07

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC396570	0.5000	0.4840	97	80-120		
BSD	QC396571	0.5000	0.4740	95	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	127316
MSS Lab ID:	195902-001	Sampled:	07/11/07
Matrix:	Soil	Received:	07/11/07
Units:	mg/Kg	Prepared:	07/17/07
Basis:	as received	Analyzed:	07/17/07

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC396573	<0.005759	0.5000	0.5070	101	67-143		
MSD	QC396574		0.4032	0.3919	97	67-143	4	23

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	195976	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	PW-2	Diln Fac:	1.000
Lab ID:	195976-001	Sampled:	07/13/07
Matrix:	Filtrate	Received:	07/13/07
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Arsenic	5.5	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Barium	170	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Chromium	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Copper	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Lead	ND	3.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Mercury	ND	0.20	127273	07/16/07	07/16/07	METHOD	EPA 7470A
Molybdenum	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Nickel	6.0	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Selenium	ND	10	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Silver	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Thallium	ND	10	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Zinc	24	20	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	127273
Lab ID:	QC396356	Prepared:	07/16/07
Matrix:	Filtrate	Analyzed:	07/16/07
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 #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	127273
Matrix:	Filtrate	Prepared:	07/16/07
Units:	ug/L	Analyzed:	07/16/07
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC396357	5.000	5.180	104	80-120		
BSD	QC396358	5.000	4.980	100	80-120	4	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	127273
Field ID:	PW-2	Sampled:	07/13/07
MSS Lab ID:	195976-001	Received:	07/13/07
Matrix:	Filtrate	Prepared:	07/16/07
Units:	ug/L	Analyzed:	07/16/07
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC396360	<0.02083	5.000	5.510	110	80-123		
MSD	QC396361		5.000	5.560	111	80-123	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3010A
Project#:	001-09567-01	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396613	Batch#:	127328
Matrix:	Water	Prepared:	07/17/07
Units:	ug/L	Analyzed:	07/17/07

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	3.0
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 #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3010A
Project#:	001-09567-01	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	127328
Units:	ug/L	Prepared:	07/17/07
Diln Fac:	1.000	Analyzed:	07/17/07

Type: BS Lab ID: QC396614

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	490.2	98	80-120
Arsenic	100.0	98.40	98	80-120
Barium	2,000	1,969	98	80-120
Beryllium	50.00	53.58	107	80-120
Cadmium	50.00	50.37	101	80-120
Chromium	200.0	192.8	96	80-120
Cobalt	500.0	480.3	96	80-120
Copper	250.0	231.8	93	80-120
Lead	100.0	97.59	98	80-120
Molybdenum	400.0	385.3	96	80-120
Nickel	500.0	488.5	98	80-120
Selenium	100.0	100.6	101	80-120
Silver	50.00	48.79	98	80-120
Thallium	100.0	102.1	102	80-120
Vanadium	500.0	488.3	98	80-120
Zinc	500.0	505.7	101	80-120

Type: BSD Lab ID: QC396615

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	493.8	99	80-120	1	20
Arsenic	100.0	98.72	99	80-120	0	20
Barium	2,000	1,993	100	80-120	1	20
Beryllium	50.00	54.31	109	80-120	1	20
Cadmium	50.00	50.87	102	80-120	1	20
Chromium	200.0	195.3	98	80-120	1	20
Cobalt	500.0	487.2	97	80-120	1	20
Copper	250.0	234.7	94	80-120	1	20
Lead	100.0	98.50	98	80-120	1	20
Molybdenum	400.0	389.1	97	80-120	1	20
Nickel	500.0	494.7	99	80-120	1	20
Selenium	100.0	102.1	102	80-120	1	20
Silver	50.00	49.84	100	80-120	2	20
Thallium	100.0	103.2	103	80-120	1	20
Vanadium	500.0	496.4	99	80-120	2	20
Zinc	500.0	512.3	102	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	195976	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3010A
Project#:	001-09567-01	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	127328
MSS Lab ID:	195996-001	Sampled:	07/16/07
Matrix:	Water	Received:	07/16/07
Units:	ug/L	Prepared:	07/17/07
Diln Fac:	1.000	Analyzed:	07/17/07

Type: MS Lab ID: QC396616

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	4.239	500.0	528.3	105	78-122
Arsenic	10.22	100.0	116.2	106	79-128
Barium	116.7	2,000	2,050	97	80-120
Beryllium	0.4010	50.00	55.29	110	80-122
Cadmium	<0.3555	50.00	50.10	100	80-121
Chromium	34.56	200.0	227.3	96	80-120
Cobalt	1.742	500.0	479.6	96	80-120
Copper	120.4	250.0	372.8	101	80-120
Lead	<1.150	100.0	89.51	90	70-120
Molybdenum	7.493	400.0	404.6	99	80-120
Nickel	25.49	500.0	502.3	95	78-120
Selenium	3.711	100.0	111.0	107	78-132
Silver	1.955	50.00	53.72	104	72-123
Thallium	<1.131	100.0	92.49	92	72-120
Vanadium	45.42	500.0	550.1	101	80-120
Zinc	107.6	500.0	614.0	101	80-124

Type: MSD Lab ID: QC396617

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	531.6	105	78-122	1	20
Arsenic	100.0	116.5	106	79-128	0	20
Barium	2,000	2,078	98	80-120	1	20
Beryllium	50.00	55.40	110	80-122	0	20
Cadmium	50.00	49.91	100	80-121	0	20
Chromium	200.0	228.0	97	80-120	0	20
Cobalt	500.0	481.3	96	80-120	0	20
Copper	250.0	375.2	102	80-120	1	20
Lead	100.0	90.49	90	70-120	1	20
Molybdenum	400.0	408.8	100	80-120	1	20
Nickel	500.0	504.2	96	78-120	0	20
Selenium	100.0	113.7	110	78-132	2	20
Silver	50.00	54.61	105	72-123	2	20
Thallium	100.0	92.63	93	72-120	0	20
Vanadium	500.0	550.1	101	80-120	0	20
Zinc	500.0	619.3	102	80-124	1	20

RPD= Relative Percent Difference

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

Laboratory Job Number 196019

LFR Levine Fricke
1900 Powell Street
Emeryville, CA 94608

Project : 001-09567-01
Location : Hanson Radum
Level : II

Sample ID	Lab ID
EB-31(B)-GGW	196019-001
EB-31(B)-5.5	196019-002
EB-31(B)-10.5	196019-003
EB-31(B)-15.5	196019-004
EB-31(B)-20.5	196019-005
EB-31(C)-5	196019-006
EB-31(C)-10.5	196019-007
EB-31(C)-15.5	196019-008
EB-31(C)-20	196019-009

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.

Signature: _____ Date: 07/25/2007
Project Manager

Signature: _____ Date: 07/26/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196019**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/16/07**
Samples Received:	**07/16/07**

This hardcopy data package contains sample and QC results for eight soil samples and one water sample, requested for the above referenced project on 07/16/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/23/07.

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

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

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	EB-31(B)-GGW	Sampled:	07/16/07
Matrix:	Water	Received:	07/16/07
Units:	ug/L	Prepared:	07/17/07
Diln Fac:	1.000	Analyzed:	07/20/07
Batch#:	127341		

Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 196019-001

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

Surrogate	%REC	Limits
Hexacosane	91	61-134

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC396668

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

Surrogate	%REC	Limits
Hexacosane	110	61-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396669	Batch#:	127341
Matrix:	Water	Prepared:	07/17/07
Units:	ug/L	Analyzed:	07/20/07

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,469	99	58-130

Surrogate	%REC	Limits
Hexacosane	107	61-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127341
MSS Lab ID:	195966-005	Sampled:	07/12/07
Matrix:	Water	Received:	07/13/07
Units:	ug/L	Prepared:	07/17/07
Diln Fac:	1.000	Analyzed:	07/19/07

Type: MS Lab ID: QC396670

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	338,000	2,500	258,900 >LR	-3166 NM	57-134

Surrogate	%REC	Limits
Hexacosane	115	61-134

Type: MSD Lab ID: QC396671

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	143,100 >LR	-7797 NM	57-134	NC	32

Surrogate	%REC	Limits
Hexacosane	115	61-134

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.

Total Extractable Hydrocarbons

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127346
Units:	mg/Kg	Sampled:	07/16/07
Basis:	as received	Received:	07/16/07
Diln Fac:	1.000	Prepared:	07/17/07

Field ID: EB-31(B)-5.5 Analyzed: 07/20/07
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 196019-002

Analyte	Result	RL
Diesel C10-C24	1.0 H Y Z	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	73	40-127

Field ID: EB-31(B)-10.5 Analyzed: 07/20/07
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 196019-003

Analyte	Result	RL
Diesel C10-C24	1.9 H Y Z	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	73	40-127

Field ID: EB-31(B)-15.5 Analyzed: 07/20/07
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 196019-004

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	5.4 H L	5.0

Surrogate	%REC	Limits
Hexacosane	96	40-127

Field ID: EB-31(B)-20.5 Analyzed: 07/19/07
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 196019-005

Analyte	Result	RL
Diesel C10-C24	2.3 H Y Z	1.0
Motor Oil C24-C36	10 H L	5.0

Surrogate	%REC	Limits
Hexacosane	105	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127346
Units:	mg/Kg	Sampled:	07/16/07
Basis:	as received	Received:	07/16/07
Diln Fac:	1.000	Prepared:	07/17/07

Field ID: EB-31(C)-5
Type: SAMPLE
Lab ID: 196019-006
Analyzed: 07/19/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	8.2 H Y Z	0.99
Motor Oil C24-C36	87 H L	5.0

Surrogate	%REC	Limits
Hexacosane	100	40-127

Field ID: EB-31(C)-10.5
Type: SAMPLE
Lab ID: 196019-007
Analyzed: 07/19/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.3 H Y Z	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	113	40-127

Field ID: EB-31(C)-15.5
Type: SAMPLE
Lab ID: 196019-008
Analyzed: 07/19/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.5 H Y Z	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	83	40-127

Field ID: EB-31(C)-20
Type: SAMPLE
Lab ID: 196019-009
Analyzed: 07/19/07
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	97	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127346
Units:	mg/Kg	Sampled:	07/16/07
Basis:	as received	Received:	07/16/07
Diln Fac:	1.000	Prepared:	07/17/07

Type:	BLANK	Analyzed:	07/18/07
Lab ID:	QC396685	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	97	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396686	Batch#:	127346
Matrix:	Soil	Prepared:	07/17/07
Units:	mg/Kg	Analyzed:	07/18/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.87	47.98	96	58-127

Surrogate	%REC	Limits
Hexacosane	100	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127346
MSS Lab ID:	195992-005	Sampled:	07/13/07
Matrix:	Soil	Received:	07/16/07
Units:	mg/Kg	Prepared:	07/17/07
Basis:	as received	Analyzed:	07/18/07
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC396687

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	1,389	49.95	1,631	485 NM	29-147

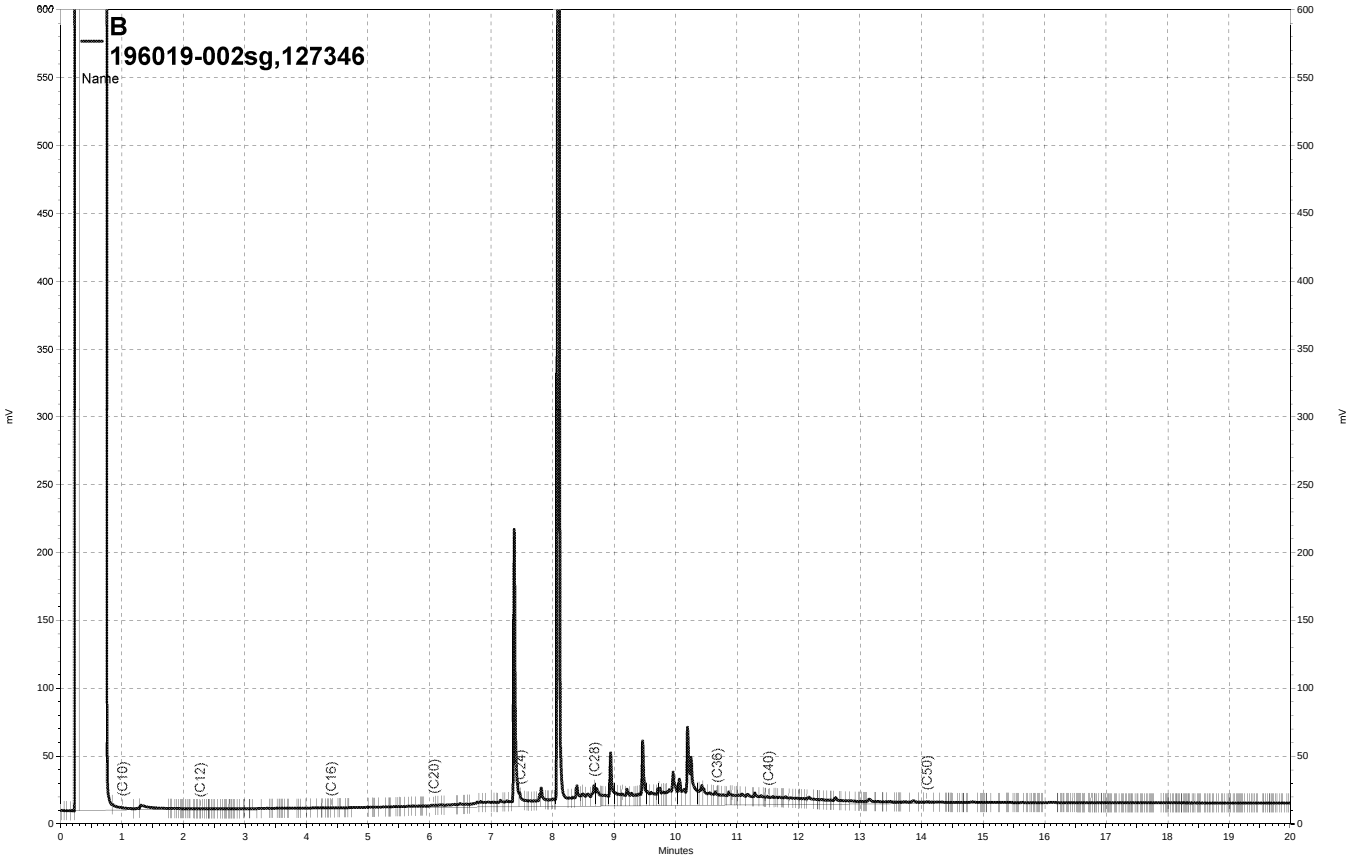
Surrogate	%REC	Limits
Hexacosane	51	40-127

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC396688

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.90	1,650	524 NM	29-147	1	46

Surrogate	%REC	Limits
Hexacosane	115	40-127

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference



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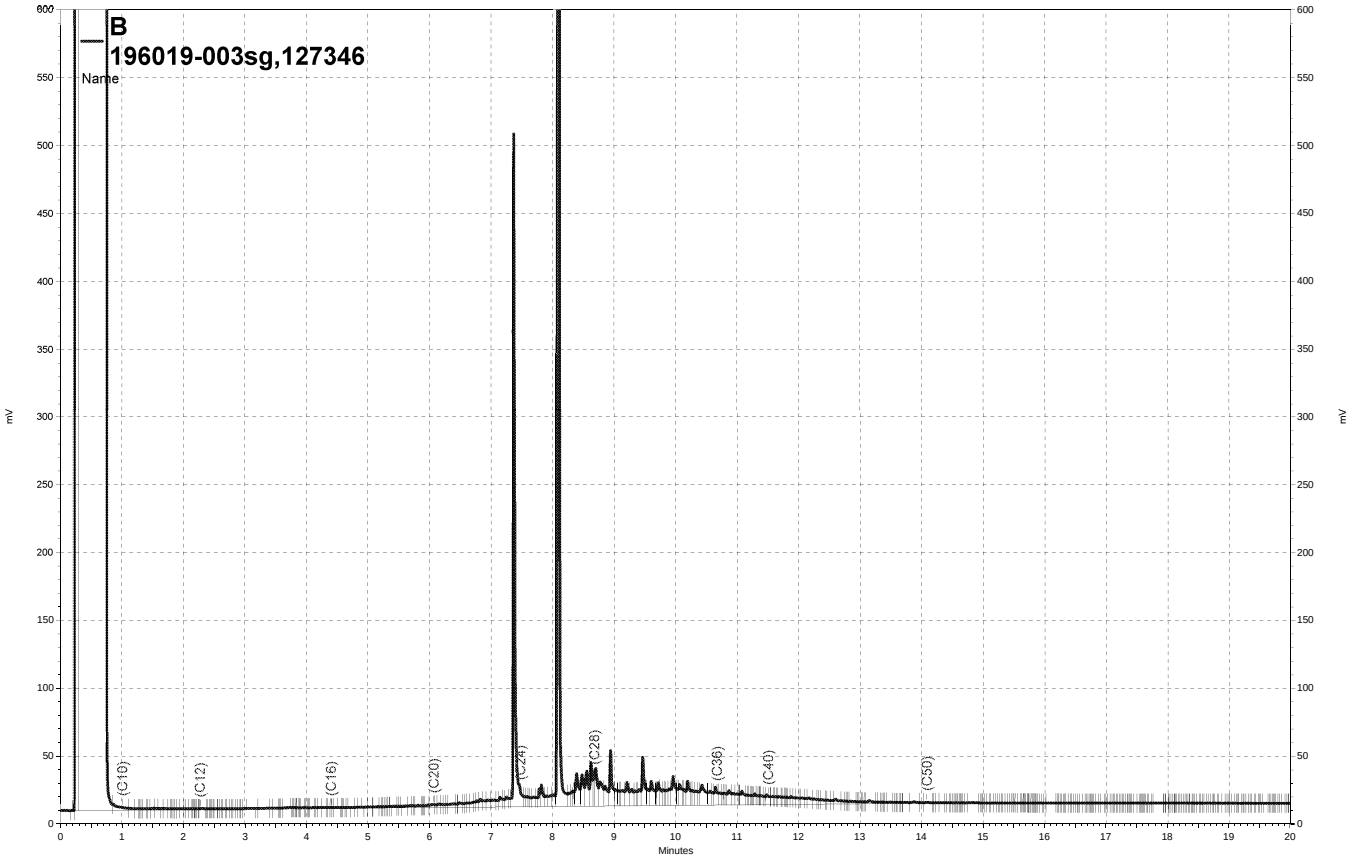

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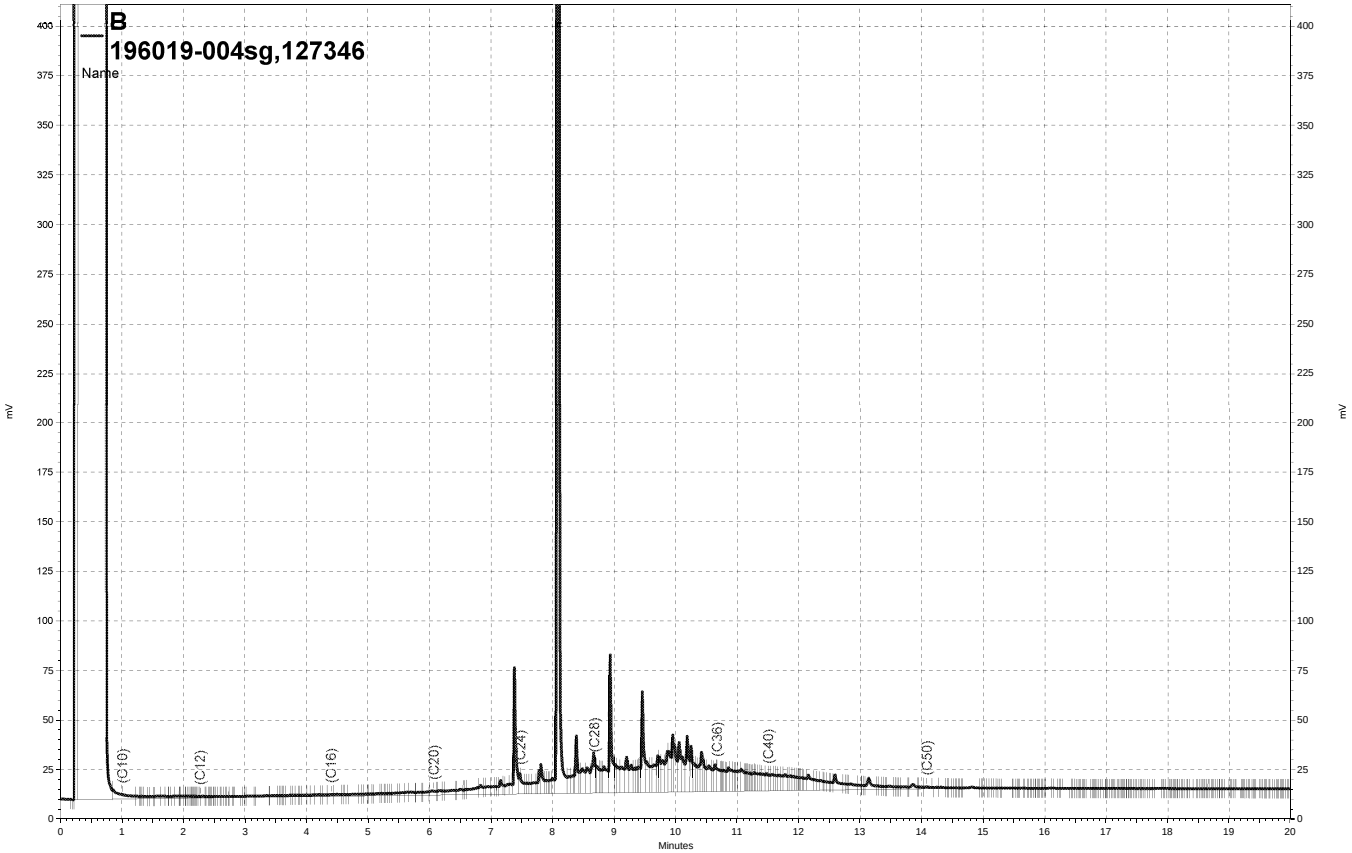

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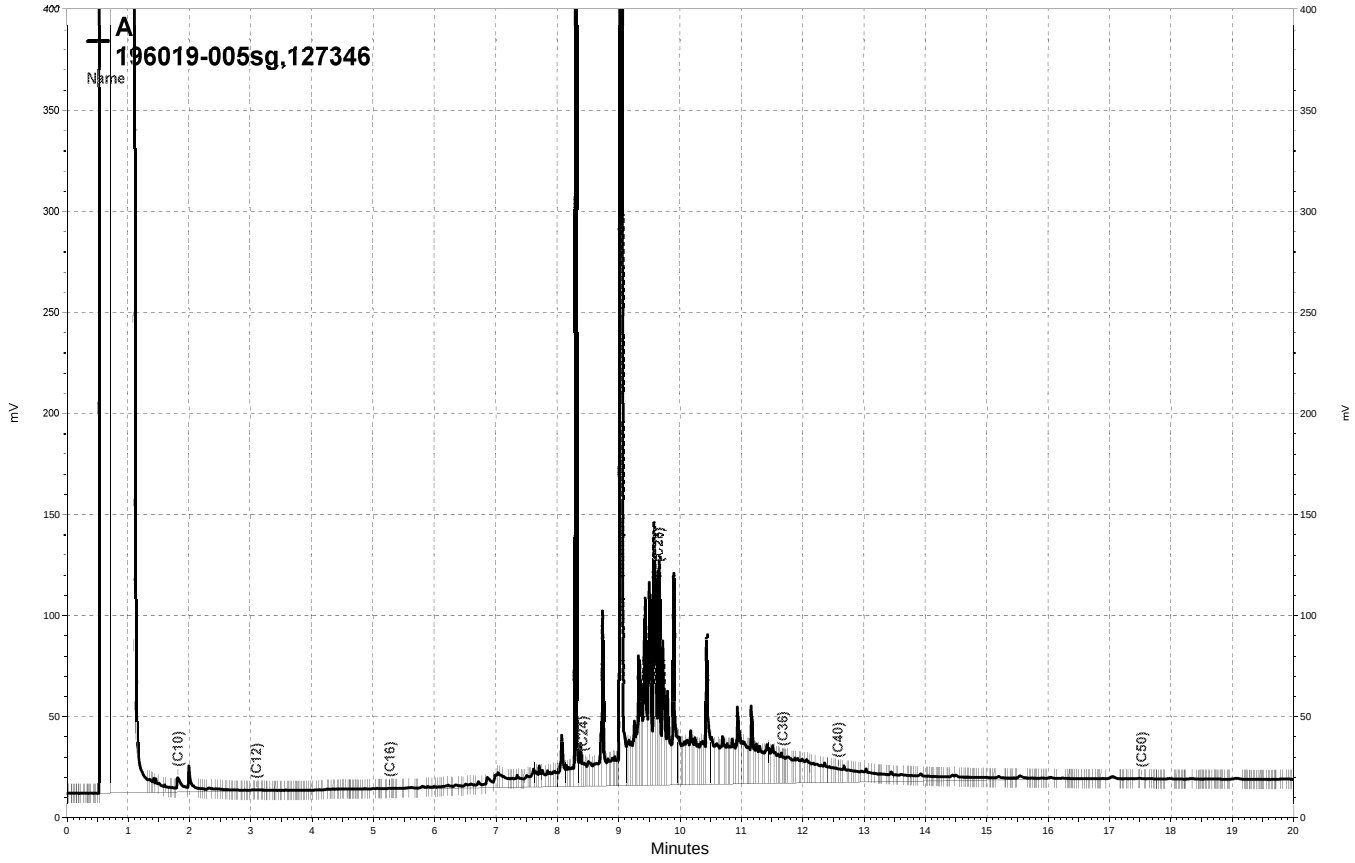

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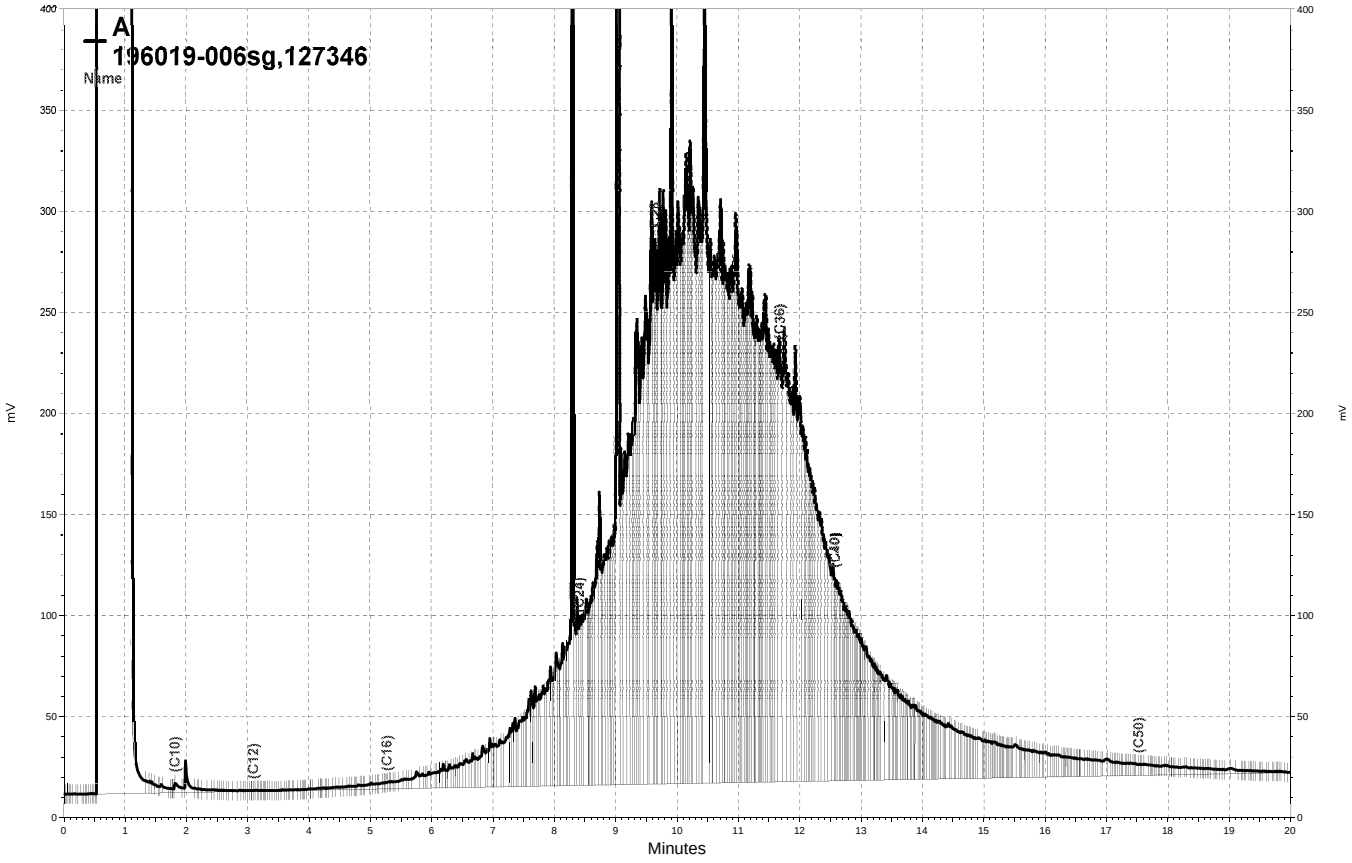

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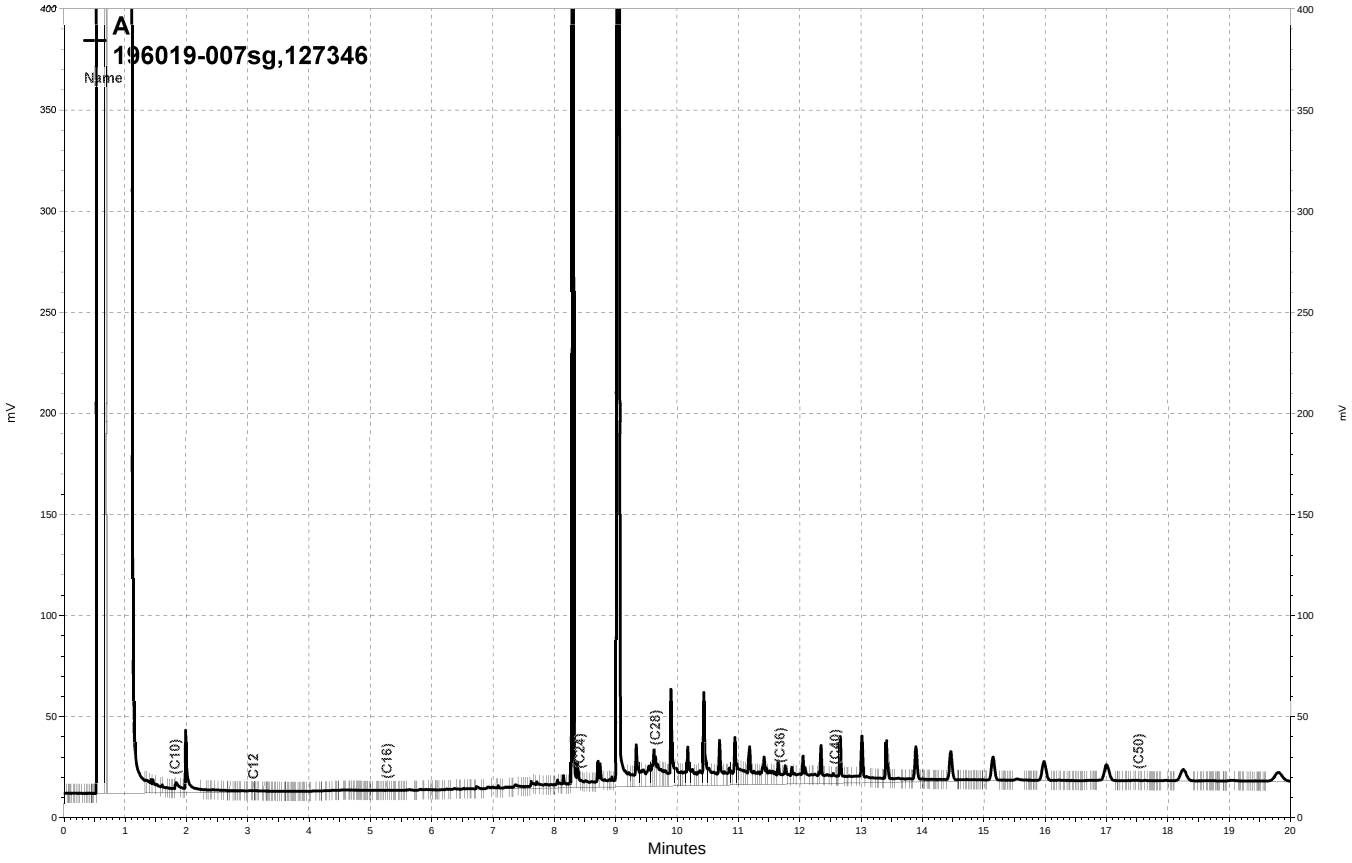

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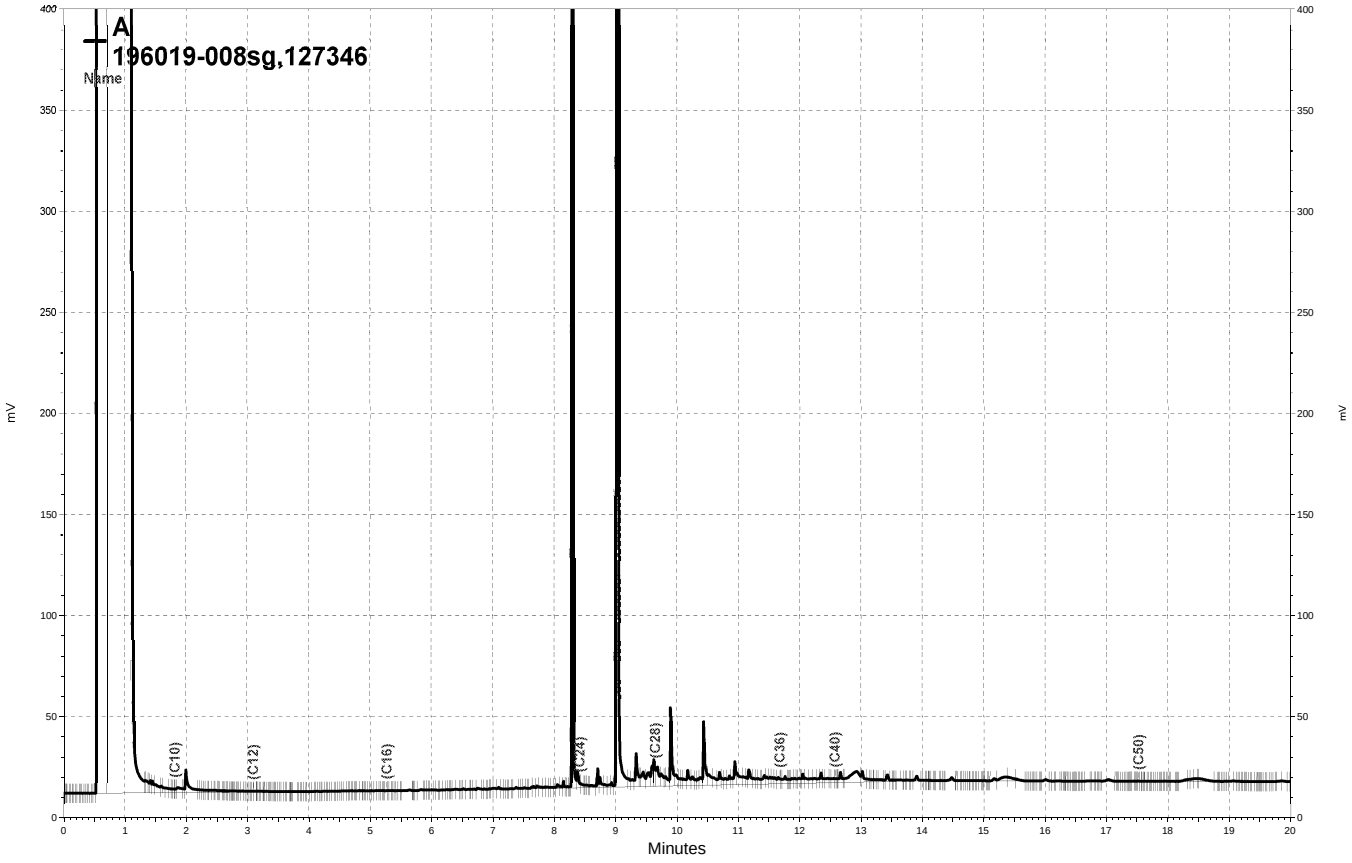

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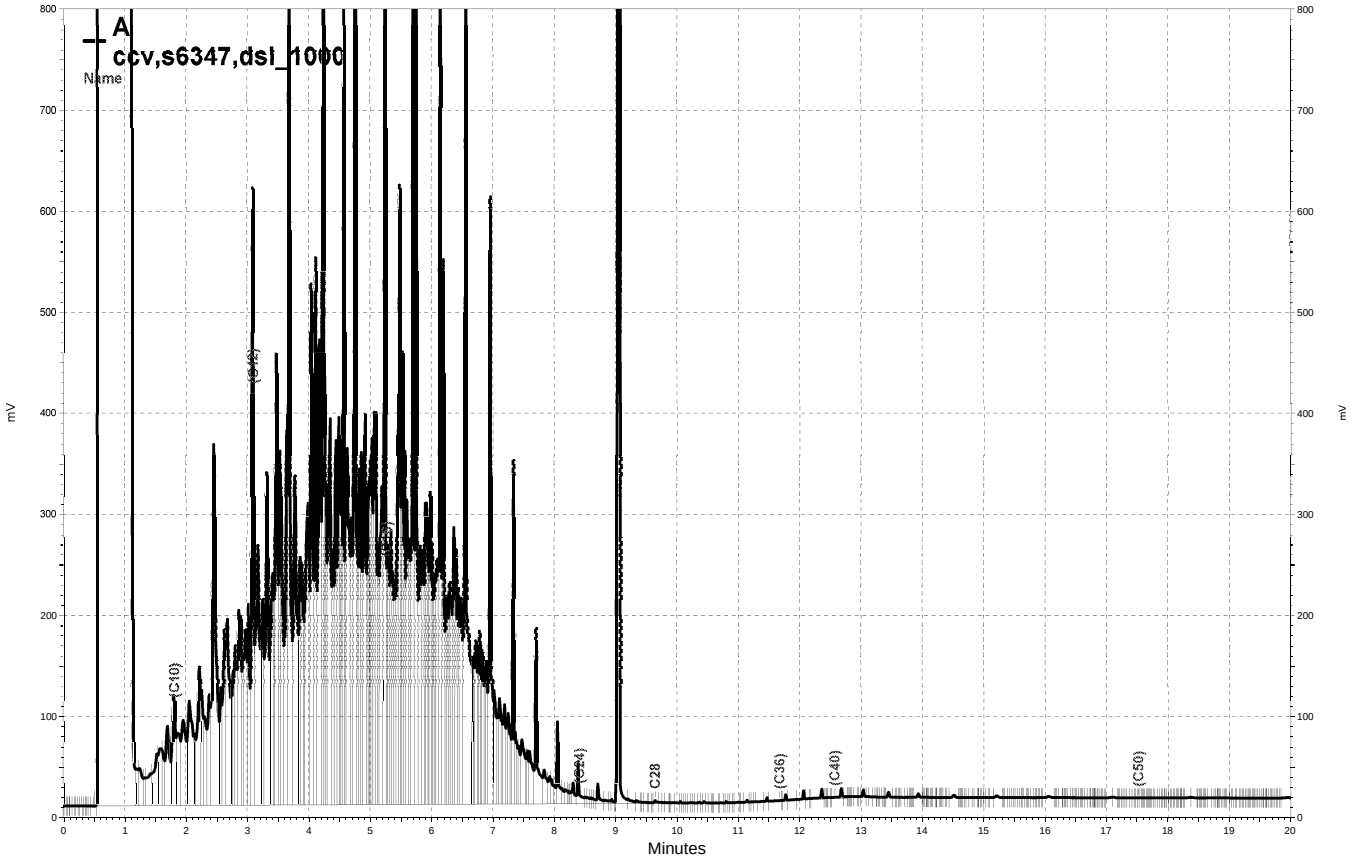

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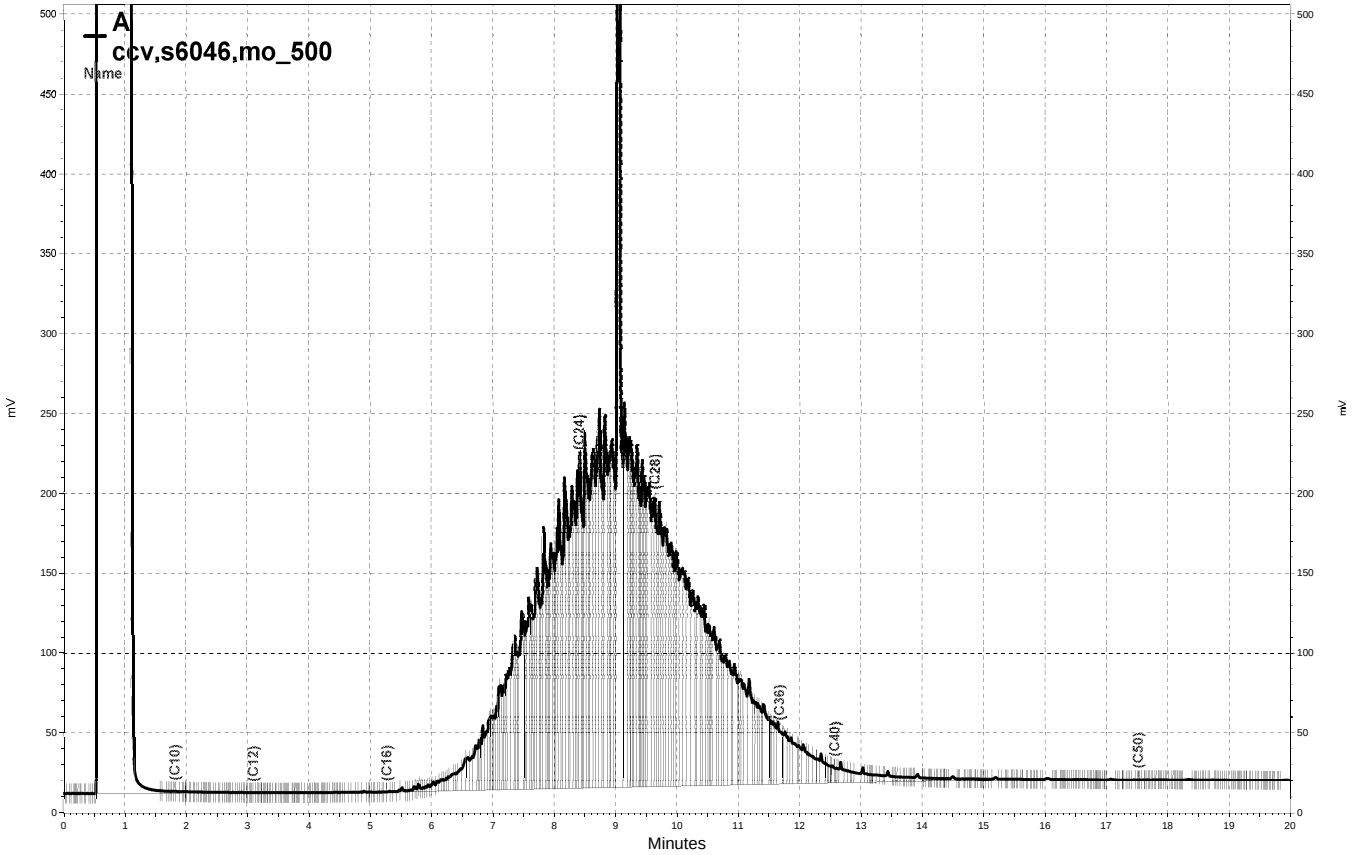

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Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	EB-31(B)-GGW	Batch#:	127360
Lab ID:	196019-001	Sampled:	07/16/07
Matrix:	Water	Received:	07/16/07
Units:	ug/L	Analyzed:	07/18/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	EB-31(B)-GGW	Batch#:	127360
Lab ID:	196019-001	Sampled:	07/16/07
Matrix:	Water	Received:	07/16/07
Units:	ug/L	Analyzed:	07/18/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396744	Batch#:	127360
Matrix:	Water	Analyzed:	07/18/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396744	Batch#:	127360
Matrix:	Water	Analyzed:	07/18/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127360
Units:	ug/L	Analyzed:	07/18/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396745

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	137.5	110	68-132
Isopropyl Ether (DIPE)	25.00	25.20	101	65-120
Ethyl tert-Butyl Ether (ETBE)	25.00	28.31	113	75-124
Methyl tert-Amyl Ether (TAME)	25.00	29.88	120	77-120
1,1-Dichloroethene	25.00	29.27	117	80-132
Benzene	25.00	27.35	109	80-120
Trichloroethene	25.00	25.55	102	80-120
Toluene	25.00	28.26	113	80-120
Chlorobenzene	25.00	26.81	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC396746

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	125.1	100	68-132	9	20
Isopropyl Ether (DIPE)	25.00	23.70	95	65-120	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	26.28	105	75-124	7	20
Methyl tert-Amyl Ether (TAME)	25.00	27.41	110	77-120	9	20
1,1-Dichloroethene	25.00	27.31	109	80-132	7	20
Benzene	25.00	25.83	103	80-120	6	20
Trichloroethene	25.00	23.96	96	80-120	6	20
Toluene	25.00	26.39	106	80-120	7	20
Chlorobenzene	25.00	25.47	102	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127360
Units:	ug/L	Analyzed:	07/18/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396827

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,500	1,427	95	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	95	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC396828

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,500	1,399	93	70-130	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196019	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	127360
MSS Lab ID:	196040-002	Sampled:	07/17/07
Matrix:	Water	Received:	07/17/07
Units:	ug/L	Analyzed:	07/19/07
Diln Fac:	1.000		

Type: MS Lab ID: QC396910

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.579	125.0	124.4	99	69-137
Isopropyl Ether (DIPE)	<0.04032	25.00	25.43	102	69-120
Ethyl tert-Butyl Ether (ETBE)	<0.07412	25.00	27.36	109	78-127
Methyl tert-Amyl Ether (TAME)	<0.04870	25.00	28.79	115	79-120
1,1-Dichloroethene	<0.09386	25.00	27.83	111	80-139
Benzene	<0.2500	25.00	26.96	108	80-123
Trichloroethene	<0.1151	25.00	25.03	100	75-129
Toluene	<0.1338	25.00	27.15	109	80-122
Chlorobenzene	<0.1569	25.00	26.43	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	97	80-122

Type: MSD Lab ID: QC396911

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	123.8	99	69-137	0	20
Isopropyl Ether (DIPE)	25.00	24.50	98	69-120	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	26.41	106	78-127	4	20
Methyl tert-Amyl Ether (TAME)	25.00	27.83	111	79-120	3	20
1,1-Dichloroethene	25.00	26.78	107	80-139	4	20
Benzene	25.00	26.47	106	80-123	2	20
Trichloroethene	25.00	24.48	98	75-129	2	20
Toluene	25.00	26.57	106	80-122	2	20
Chlorobenzene	25.00	26.07	104	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-122

RPD= Relative Percent Difference

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

Laboratory Job Number 196042

LFR Levine Fricke	Project : 001-09567-01
1900 Powell Street	Location : Hanson Radum
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
EB-31(A)-5.5	196042-001
EB-31(A)-10.5	196042-002
EB-31(A)-15.5	196042-003
EB-31(A)-20.5	196042-004
B-1(A)-4.5	196042-005
B-1(A)-9.5	196042-006
B-1(A)-35	196042-007
B-1(A)-36.5	196042-008
EB-35(A)-3	196042-009
EB-35(A)-4	196042-010
EB-35(A)-9.5	196042-011
EB-35(B)-2.5	196042-012
EB-35(B)-5	196042-013
EB-35(B)-9	196042-014

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.

Signature: _____ Date: 07/30/2007
Project Manager

Signature: _____ Date: 07/30/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196042**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/17/07**
Samples Received:	**07/17/07**

This hardcopy data package contains sample and QC results for eleven soil samples, requested for the above referenced project on 07/17/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/24/07.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

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

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Polychlorinated Biphenyls (PCBs) (EPA 8082):
Low surrogate recovery was observed for TCMX in the method blank for batch 127391; the corresponding decachlorobiphenyl surrogate recovery was within limits. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127379
Units:	mg/Kg	Sampled:	07/17/07
Basis:	as received	Received:	07/17/07
Diln Fac:	1.000		

Field ID: B-1(A)-4.5 Lab ID: 196042-005
Type: SAMPLE Analyzed: 07/19/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	70-132
Bromofluorobenzene (FID)	128	66-138

Field ID: B-1(A)-9.5 Lab ID: 196042-006
Type: SAMPLE Analyzed: 07/19/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.94

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	70-132
Bromofluorobenzene (FID)	124	66-138

Type: BLANK Analyzed: 07/18/07
Lab ID: QC396807

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	70-132
Bromofluorobenzene (FID)	116	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC396809	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127379
Units:	mg/Kg	Analyzed:	07/18/07

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.002	90	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	70-132
Bromofluorobenzene (FID)	121	66-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	B-1(A)-4.5	Diln Fac:	1.000
MSS Lab ID:	196042-005	Batch#:	127379
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/17/07
Basis:	as received	Analyzed:	07/18/07

Type: MS Lab ID: QC396810

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.2479	9.804	6.949	68	36-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	70-132
Bromofluorobenzene (FID)	114	66-138

Type: MSD Lab ID: QC396811

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.42	7.440	69	36-120	1	29

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	70-132
Bromofluorobenzene (FID)	120	66-138

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/17/07
Basis:	as received		

Field ID:	EB-31(A)-5.5	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-001	Analyzed:	07/20/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.3 H Y	1.0
Motor Oil C24-C36	16 H	5.0

Surrogate	%REC	Limits
Hexacosane	83	40-127

Field ID:	EB-31(A)-10.5	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-002	Analyzed:	07/20/07
Diln Fac:	2.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	14 H Y	2.0
Motor Oil C24-C36	170 H	9.9

Surrogate	%REC	Limits
Hexacosane	91	40-127

Field ID:	EB-31(A)-15.5	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-003	Analyzed:	07/21/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	98	40-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/17/07
Basis:	as received		

Field ID:	EB-31(A)-20.5	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-004	Analyzed:	07/21/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	89	40-127

Field ID:	B-1(A)-4.5	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-005	Analyzed:	07/21/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	74	40-127

Field ID:	B-1(A)-9.5	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-006	Analyzed:	07/21/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	7.4 H	5.0

Surrogate	%REC	Limits
Hexacosane	88	40-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/17/07
Basis:	as received		

Field ID:	B-1(A)-35	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-007	Analyzed:	07/20/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	92	40-127

Field ID:	EB-35(A)-4	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-010	Analyzed:	07/20/07
Diln Fac:	3.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	48 H Y	3.0
Motor Oil C24-C36	540 H	15

Surrogate	%REC	Limits
Hexacosane	86	40-127

Field ID:	EB-35(A)-9.5	Batch#:	127535
Type:	SAMPLE	Prepared:	07/23/07
Lab ID:	196042-011	Analyzed:	07/24/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	5.2 H	5.0

Surrogate	%REC	Limits
Hexacosane	85	40-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/17/07
Basis:	as received		

Field ID:	EB-35(B)-5	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-013	Analyzed:	07/20/07
Diln Fac:	20.00	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	160 H Y	40
Motor Oil C24-C36	3,600 H	200

Surrogate	%REC	Limits
Hexacosane	DO	40-127

Field ID:	EB-35(B)-9	Batch#:	127373
Type:	SAMPLE	Prepared:	07/18/07
Lab ID:	196042-014	Analyzed:	07/20/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	81	40-127

Type:	BLANK	Prepared:	07/18/07
Lab ID:	QC396784	Analyzed:	07/20/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	127373		

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

Surrogate	%REC	Limits
Hexacosane	88	40-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/17/07
Units:	mg/Kg	Received:	07/17/07
Basis:	as received		

Type:	BLANK	Prepared:	07/23/07
Lab ID:	QC397580	Analyzed:	07/24/07
Diln Fac:	1.000	Cleanup Method:	EPA 3630C
Batch#:	127535		

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

Surrogate	%REC	Limits
Hexacosane	72	40-127

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396785	Batch#:	127373
Matrix:	Soil	Prepared:	07/18/07
Units:	mg/Kg	Analyzed:	07/21/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.88	42.07	84	58-127

Surrogate	%REC	Limits
Hexacosane	95	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	196005-001	Batch#:	127373
Matrix:	Soil	Sampled:	07/13/07
Units:	mg/Kg	Received:	07/16/07
Basis:	as received	Prepared:	07/18/07

Type:	MS	Analyzed:	07/20/07
Lab ID:	QC396786	Cleanup Method:	EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	45.11	49.90	83.96	78	29-147

Surrogate	%REC	Limits
Hexacosane	92	40-127

Type:	MSD	Analyzed:	07/24/07
Lab ID:	QC396787	Cleanup Method:	EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.94	63.87	38	29-147	27	46

Surrogate	%REC	Limits
Hexacosane	67	40-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397581	Batch#:	127535
Matrix:	Soil	Prepared:	07/23/07
Units:	mg/Kg	Analyzed:	07/24/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.84	36.64	74	58-127

Surrogate	%REC	Limits
Hexacosane	78	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127535
MSS Lab ID:	196124-006	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	mg/Kg	Prepared:	07/23/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC397582

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	2.332	49.92	30.59	57	29-147

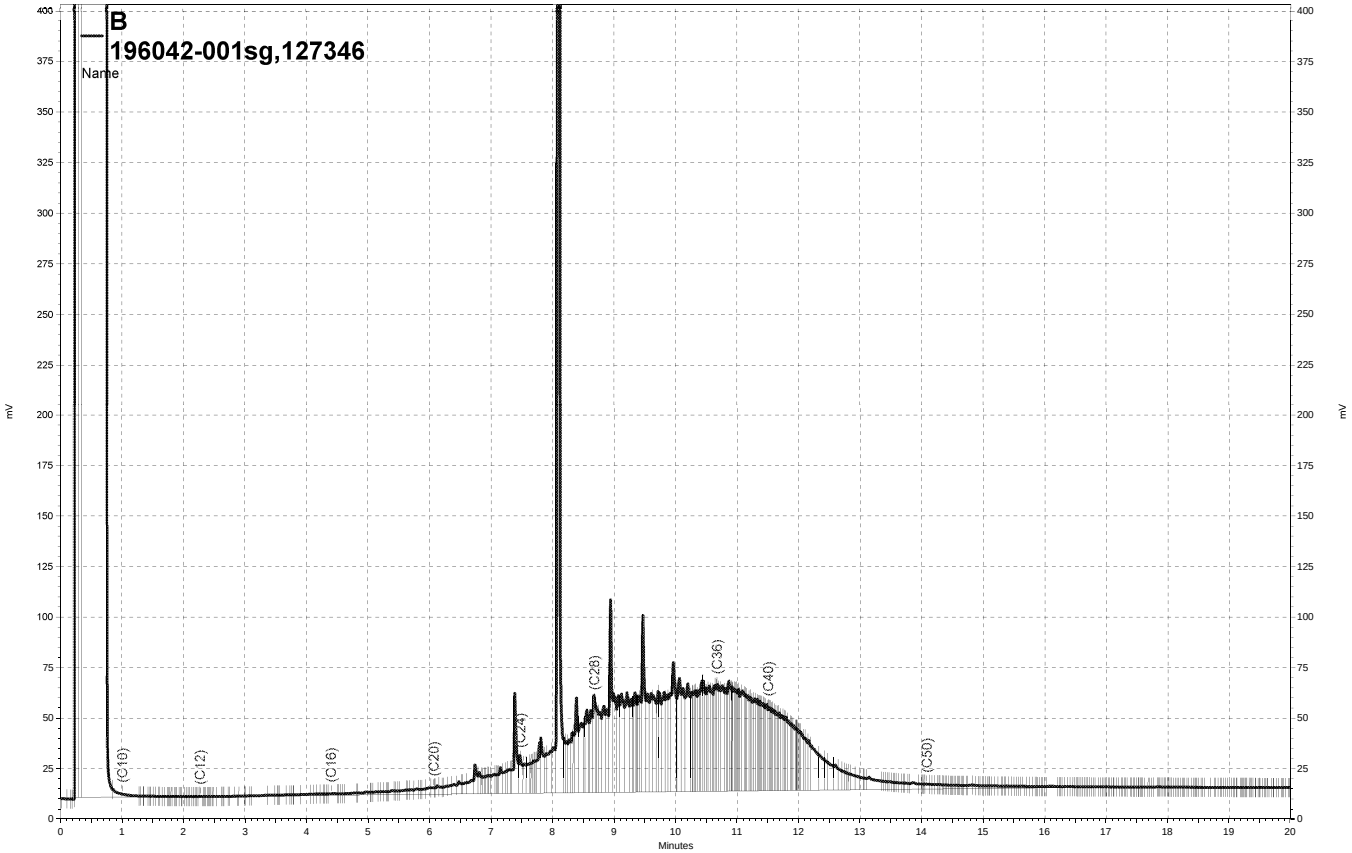
Surrogate	%REC	Limits
Hexacosane	57	40-127

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC397583

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.88	40.57	77	29-147	28	46

Surrogate	%REC	Limits
Hexacosane	79	40-127

RPD= Relative Percent Difference



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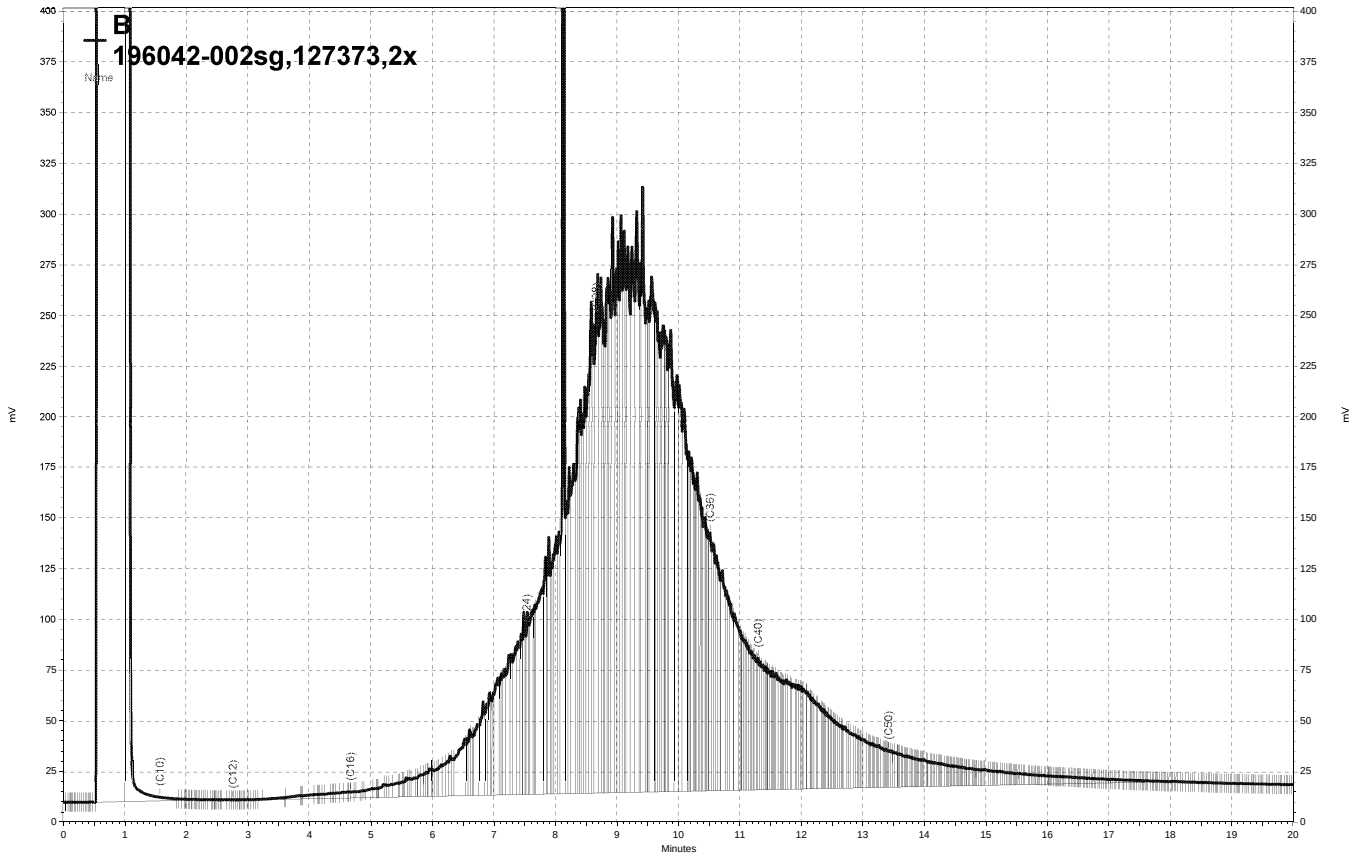

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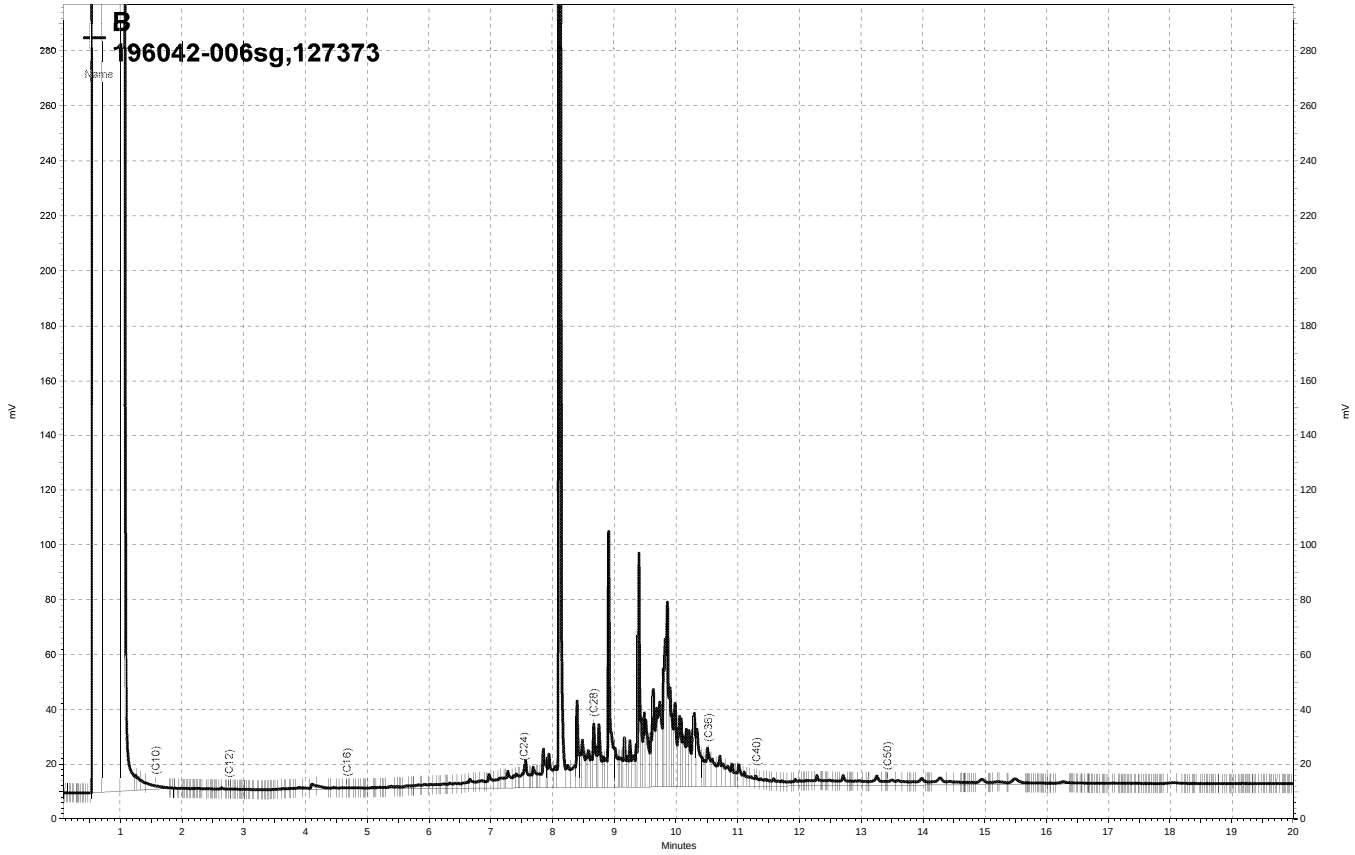

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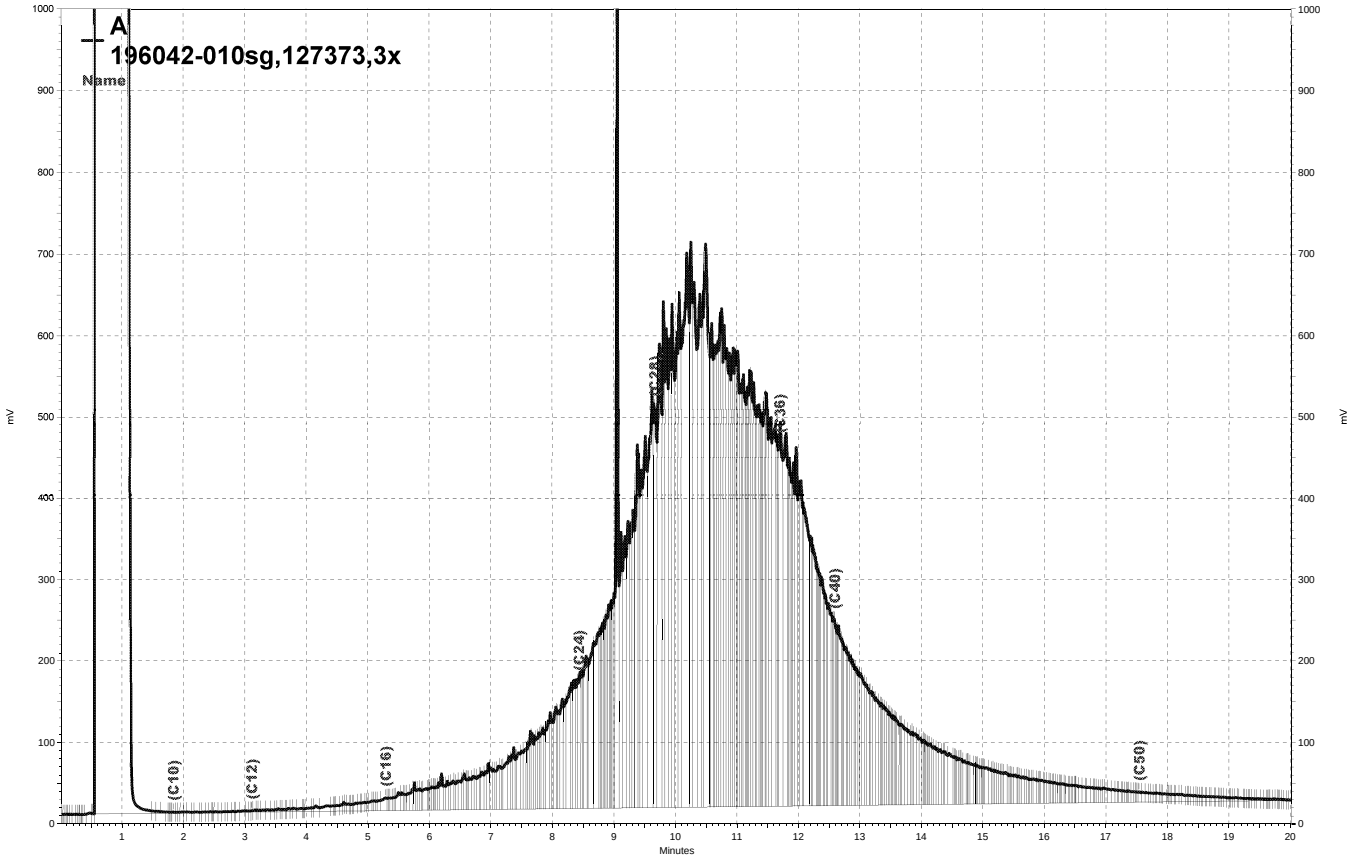

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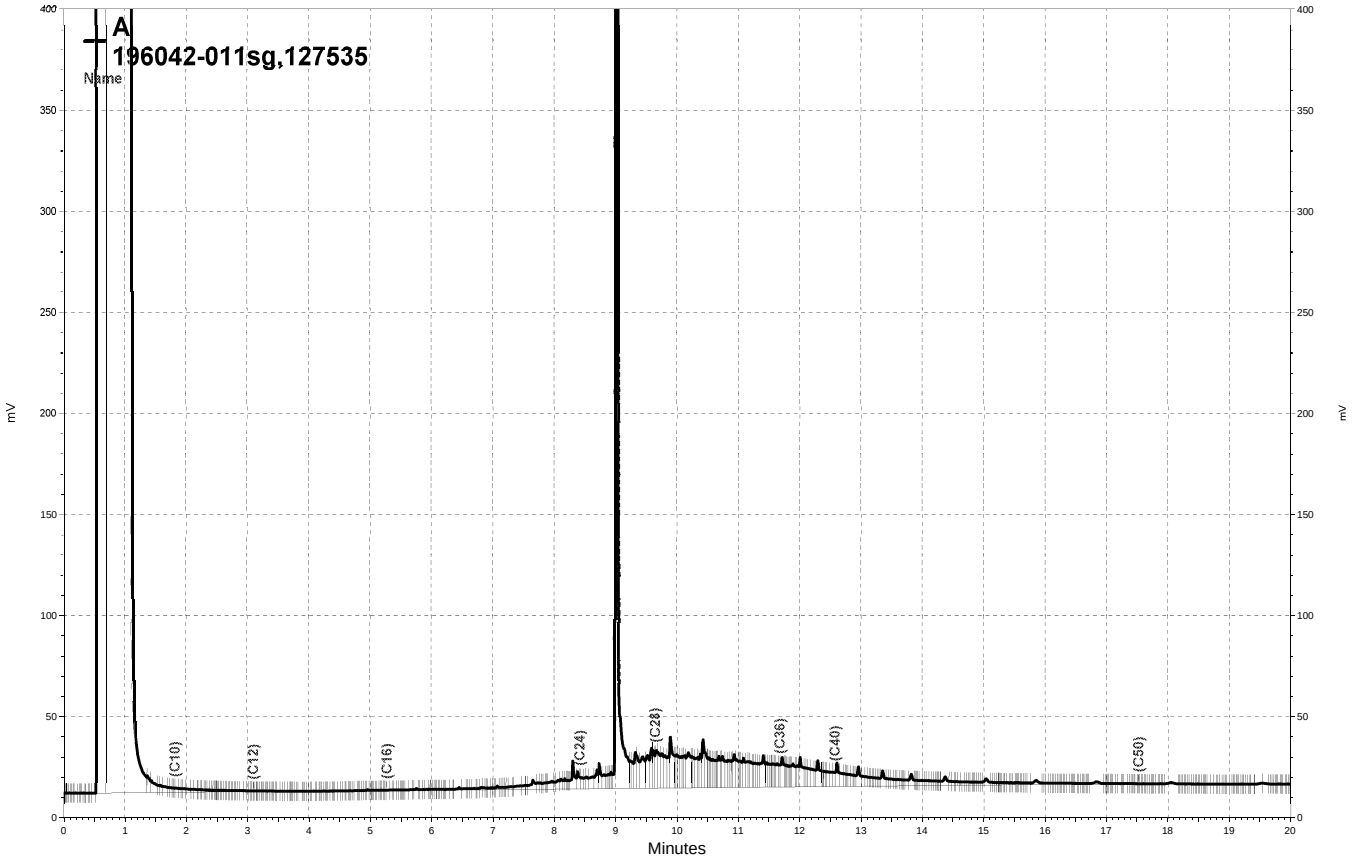

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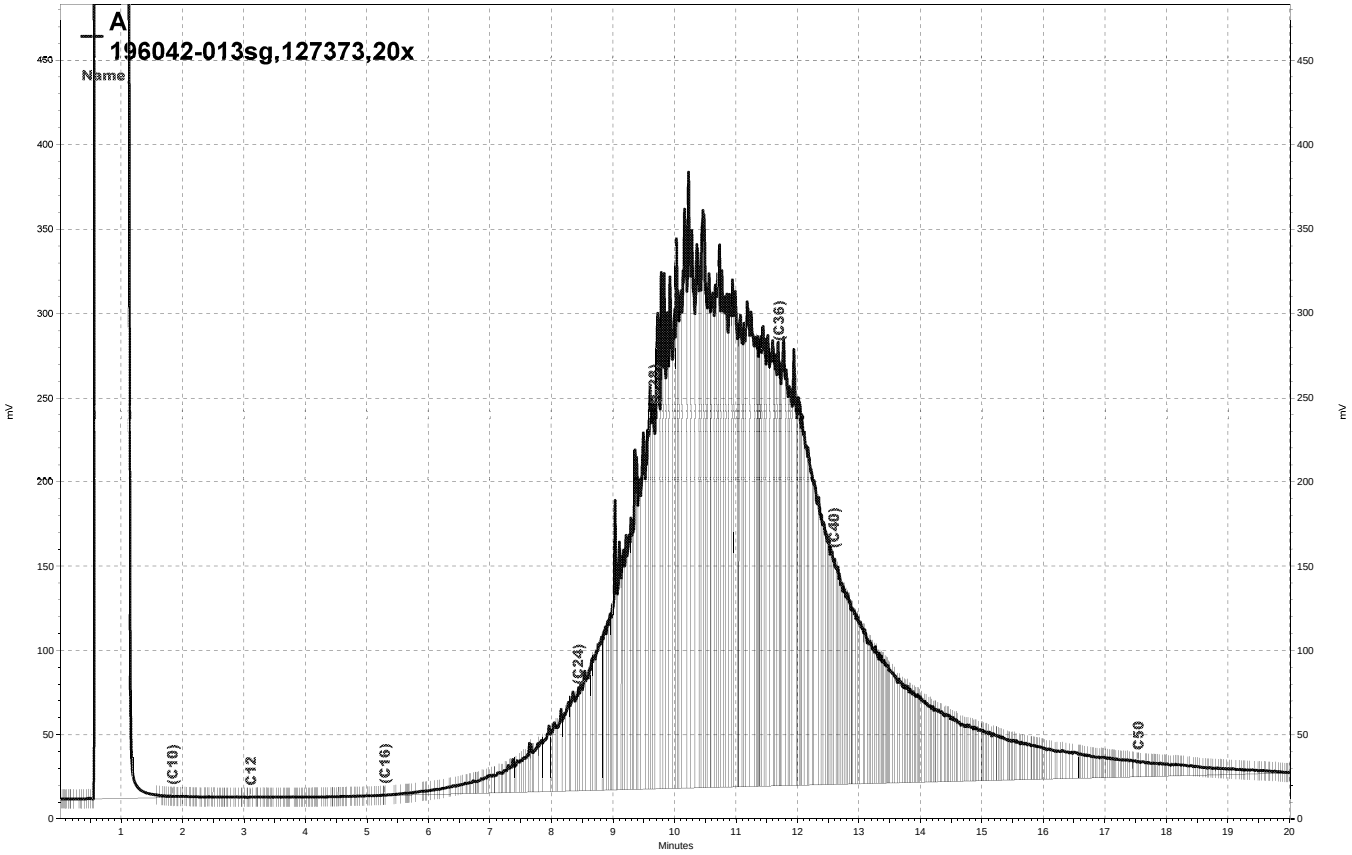

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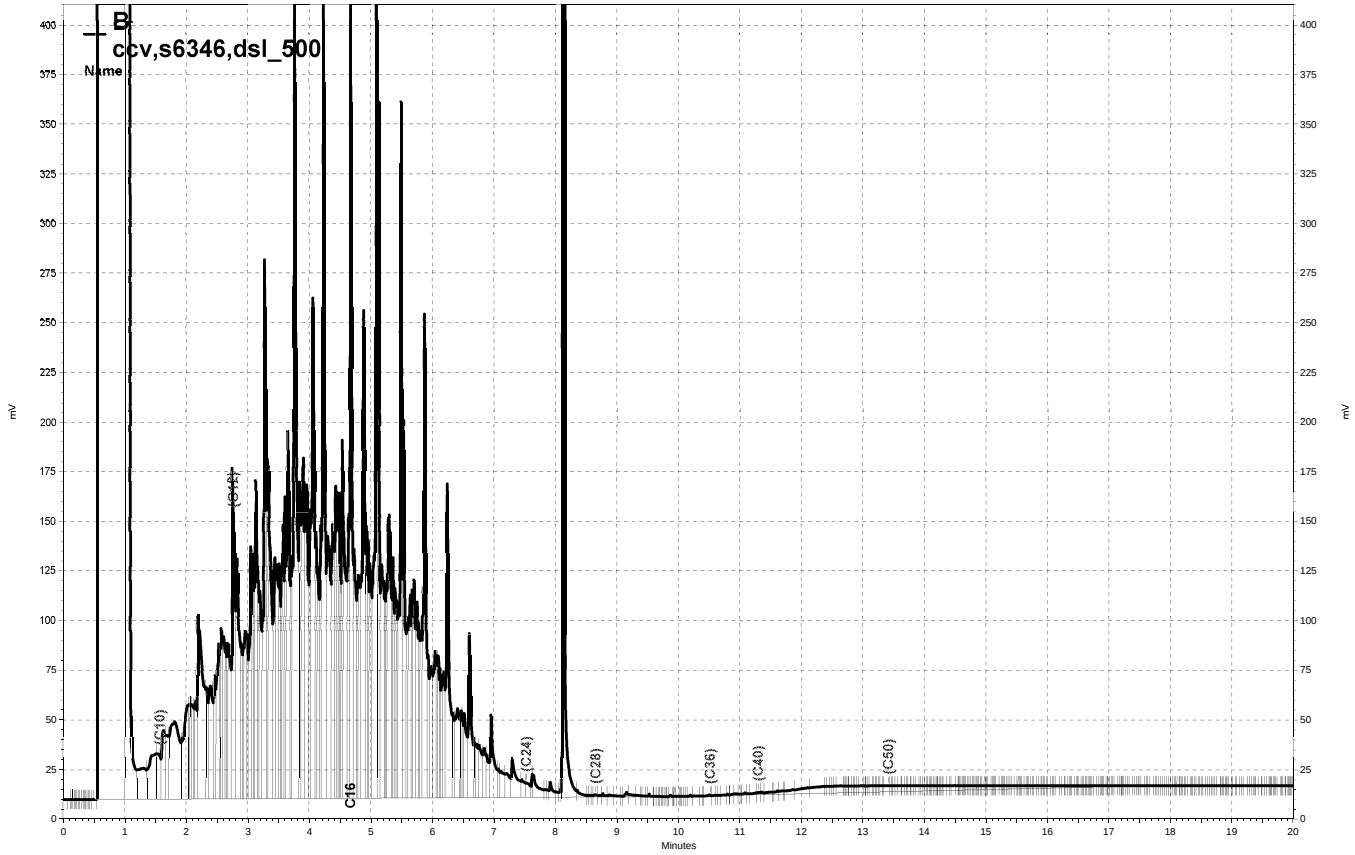

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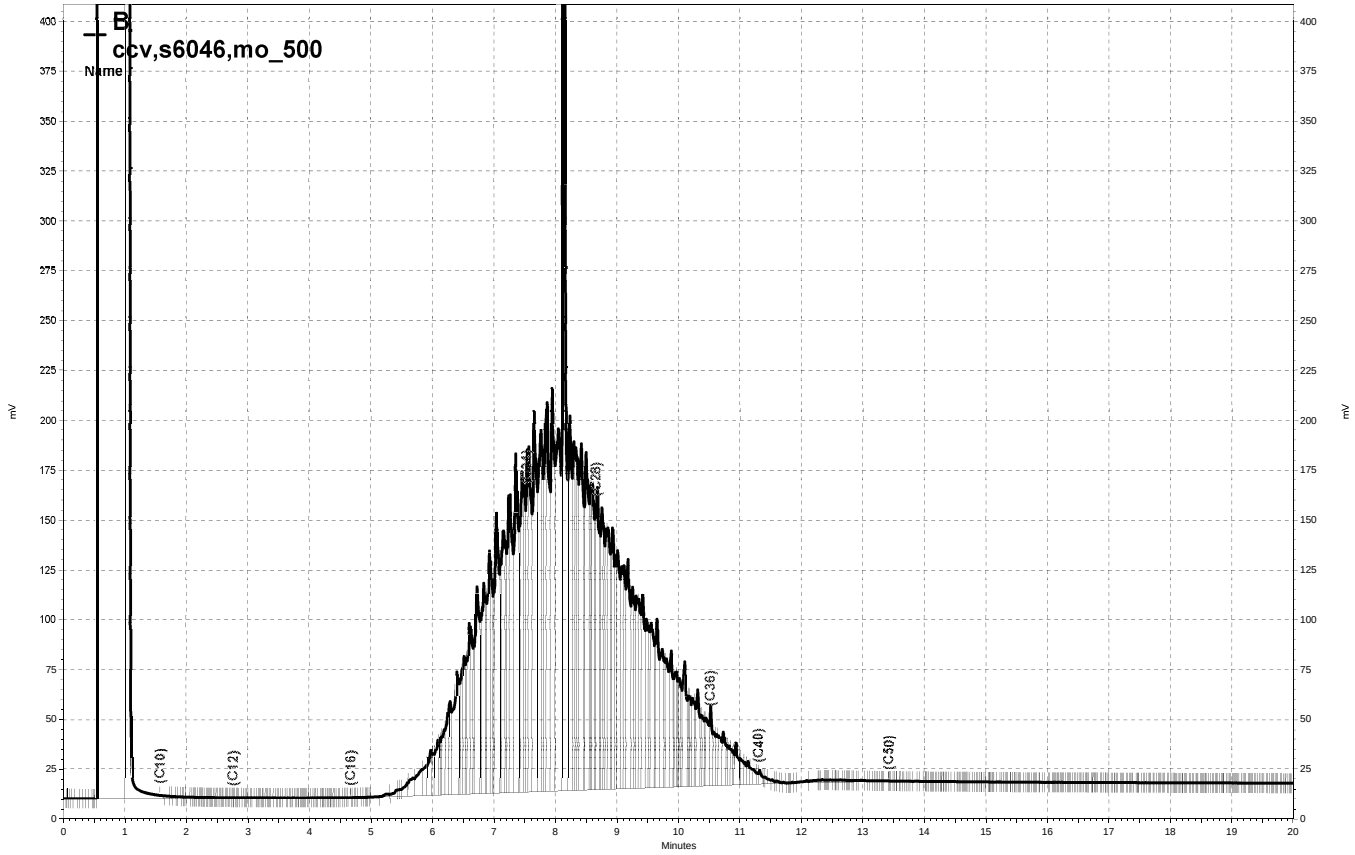

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Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	B-1(A)-4.5	Batch#:	127357
Lab ID:	196042-005	Sampled:	07/17/07
Matrix:	Soil	Received:	07/17/07
Units:	ug/Kg	Prepared:	07/18/07
Basis:	as received	Analyzed:	07/19/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	B-1(A)-4.5	Batch#:	127357
Lab ID:	196042-005	Sampled:	07/17/07
Matrix:	Soil	Received:	07/17/07
Units:	ug/Kg	Prepared:	07/18/07
Basis:	as received	Analyzed:	07/19/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	81	28-120
Phenol-d5	81	30-120
2,4,6-Tribromophenol	102	20-120
Nitrobenzene-d5	80	39-120
2-Fluorobiphenyl	81	44-120
Terphenyl-d14	82	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	B-1(A)-9.5	Batch#:	127357
Lab ID:	196042-006	Sampled:	07/17/07
Matrix:	Soil	Received:	07/17/07
Units:	ug/Kg	Prepared:	07/18/07
Basis:	as received	Analyzed:	07/19/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	B-1(A)-9.5	Batch#:	127357
Lab ID:	196042-006	Sampled:	07/17/07
Matrix:	Soil	Received:	07/17/07
Units:	ug/Kg	Prepared:	07/18/07
Basis:	as received	Analyzed:	07/19/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	78	28-120
Phenol-d5	76	30-120
2,4,6-Tribromophenol	104	20-120
Nitrobenzene-d5	74	39-120
2-Fluorobiphenyl	80	44-120
Terphenyl-d14	82	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC396734	Batch#:	127357
Matrix:	Miscell.	Prepared:	07/18/07
Units:	ug/Kg	Analyzed:	07/19/07
Basis:	as received		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396734	Batch#:	127357
Matrix:	Miscell.	Prepared:	07/18/07
Units:	ug/Kg	Analyzed:	07/19/07
Basis:	as received		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	83	28-120
Phenol-d5	81	30-120
2,4,6-Tribromophenol	92	20-120
Nitrobenzene-d5	82	39-120
2-Fluorobiphenyl	86	44-120
Terphenyl-d14	87	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396735	Batch#:	127357
Matrix:	Miscell.	Prepared:	07/18/07
Units:	ug/Kg	Analyzed:	07/19/07
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Phenol	2,644	2,101	79	40-120
2-Chlorophenol	2,644	2,129	81	40-120
1,4-Dichlorobenzene	1,322	1,246	94	45-120
N-Nitroso-di-n-propylamine	1,322	981.1	74	34-120
1,2,4-Trichlorobenzene	1,322	1,239	94	45-120
4-Chloro-3-methylphenol	2,644	2,347	89	45-120
Acenaphthene	1,322	1,094	83	42-120
4-Nitrophenol	2,644	2,012	76	31-120
2,4-Dinitrotoluene	1,322	1,265	96	41-120
Pentachlorophenol	2,644	2,140	81	21-120
Pyrene	1,322	1,153	87	41-120

Surrogate	%REC	Limits
2-Fluorophenol	80	28-120
Phenol-d5	79	30-120
2,4,6-Tribromophenol	110	20-120
Nitrobenzene-d5	81	39-120
2-Fluorobiphenyl	82	44-120
Terphenyl-d14	88	39-120

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	ZZZZZZZZZZ	Batch#:	127357
MSS Lab ID:	195937-001	Sampled:	07/10/07
Matrix:	Miscell.	Received:	07/12/07
Units:	ug/Kg	Prepared:	07/18/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Type: MS Lab ID: QC396736

Analyte	MSS Result	Spiked	Result	%REC	Limits
Phenol	<68.44	2,652	2,117	80	38-120
2-Chlorophenol	<71.23	2,652	2,095	79	38-120
1,4-Dichlorobenzene	<17.01	1,326	1,158	87	49-120
N-Nitroso-di-n-propylamine	<14.07	1,326	1,022	77	43-120
1,2,4-Trichlorobenzene	<15.20	1,326	1,176	89	47-120
4-Chloro-3-methylphenol	<70.50	2,652	2,312	87	44-120
Acenaphthene	<15.00	1,326	1,085	82	48-120
4-Nitrophenol	<84.53	2,652	2,089	79	30-120
2,4-Dinitrotoluene	<15.33	1,326	1,192	90	41-120
Pentachlorophenol	<67.07	2,652	1,866	70	13-120
Pyrene	<14.99	1,326	1,126	85	42-120

Surrogate	%REC	Limits
2-Fluorophenol	77	28-120
Phenol-d5	81	30-120
2,4,6-Tribromophenol	109	20-120
Nitrobenzene-d5	77	39-120
2-Fluorobiphenyl	80	44-120
Terphenyl-d14	84	39-120

Type: MSD Lab ID: QC396737

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	2,650	2,089	79	38-120	1	26
2-Chlorophenol	2,650	2,068	78	38-120	1	28
1,4-Dichlorobenzene	1,325	1,158	87	49-120	0	27
N-Nitroso-di-n-propylamine	1,325	992.3	75	43-120	3	28
1,2,4-Trichlorobenzene	1,325	1,206	91	47-120	3	26
4-Chloro-3-methylphenol	2,650	2,338	88	44-120	1	28
Acenaphthene	1,325	1,077	81	48-120	1	29
4-Nitrophenol	2,650	2,080	78	30-120	0	38
2,4-Dinitrotoluene	1,325	1,190	90	41-120	0	26
Pentachlorophenol	2,650	1,976	75	13-120	6	55
Pyrene	1,325	1,143	86	42-120	2	30

Surrogate	%REC	Limits
2-Fluorophenol	75	28-120
Phenol-d5	80	30-120
2,4,6-Tribromophenol	110	20-120
Nitrobenzene-d5	79	39-120
2-Fluorobiphenyl	80	44-120
Terphenyl-d14	84	39-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	07/17/07
Units:	ug/Kg	Received:	07/17/07
Basis:	as received	Prepared:	07/18/07
Diln Fac:	1.000	Analyzed:	07/20/07
Batch#:	127391		

Field ID: B-1(A)-4.5 Lab ID: 196042-005
Type: SAMPLE Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	9.4
Aroclor-1221	ND	19
Aroclor-1232	ND	9.4
Aroclor-1242	ND	9.4
Aroclor-1248	ND	9.4
Aroclor-1254	ND	9.4
Aroclor-1260	ND	9.4

Surrogate	%REC	Limits
TCMX	110	63-141
Decachlorobiphenyl	104	50-158

Field ID: B-1(A)-9.5 Lab ID: 196042-006
Type: SAMPLE Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	9.5
Aroclor-1221	ND	19
Aroclor-1232	ND	9.5
Aroclor-1242	ND	9.5
Aroclor-1248	ND	9.5
Aroclor-1254	ND	9.5
Aroclor-1260	ND	9.5

Surrogate	%REC	Limits
TCMX	104	63-141
Decachlorobiphenyl	96	50-158

Type: BLANK Cleanup Method: EPA 3665A
Lab ID: QC396893

Analyte	Result	RL
Aroclor-1016	ND	9.5
Aroclor-1221	ND	19
Aroclor-1232	ND	9.5
Aroclor-1242	ND	9.5
Aroclor-1248	ND	9.5
Aroclor-1254	ND	9.5
Aroclor-1260	ND	9.5

Surrogate	%REC	Limits
TCMX	50 *	63-141
Decachlorobiphenyl	54	50-158

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

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396928	Batch#:	127391
Matrix:	Soil	Prepared:	07/18/07
Units:	ug/Kg	Analyzed:	07/19/07
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1232	165.0	155.6	94	68-138

Surrogate	%REC	Limits
TCMX	87	63-141
Decachlorobiphenyl	78	50-158

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	127391
MSS Lab ID:	196032-001	Sampled:	07/16/07
Matrix:	Soil	Received:	07/17/07
Units:	ug/Kg	Prepared:	07/18/07
Basis:	as received	Analyzed:	07/19/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3665A
Lab ID: QC396929

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1232	<1.324	165.0	169.1	103	72-140

Surrogate	%REC	Limits
TCMX	129	63-141
Decachlorobiphenyl	105	50-158

Type: MSD Cleanup Method: EPA 3665A
Lab ID: QC396930

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1232	165.9	173.4	104	72-140	2	27

Surrogate	%REC	Limits
TCMX	109	63-141
Decachlorobiphenyl	83	50-158

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196042	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	B-1(A)-4.5	Diln Fac:	1.000
Lab ID:	196042-005	Sampled:	07/17/07
Matrix:	Soil	Received:	07/17/07
Units:	mg/Kg	Analyzed:	07/19/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127397	07/18/07	EPA 3050B	EPA 6010B
Arsenic	4.2	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Barium	160	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Beryllium	0.24	0.10	127397	07/18/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Chromium	40	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Cobalt	10	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Copper	28	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Lead	8.8	0.15	127397	07/18/07	EPA 3050B	EPA 6010B
Mercury	0.026	0.020	127412	07/19/07	METHOD	EPA 7471A
Molybdenum	0.59	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Nickel	60	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127397	07/18/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127397	07/18/07	EPA 3050B	EPA 6010B
Vanadium	23	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Zinc	51	1.0	127397	07/18/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196042	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	B-1(A)-9.5	Diln Fac:	1.000
Lab ID:	196042-006	Sampled:	07/17/07
Matrix:	Soil	Received:	07/17/07
Units:	mg/Kg	Analyzed:	07/19/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127397	07/18/07	EPA 3050B	EPA 6010B
Arsenic	4.6	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Barium	160	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Beryllium	0.32	0.10	127397	07/18/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Chromium	56	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Cobalt	13	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Copper	26	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Lead	8.0	0.15	127397	07/18/07	EPA 3050B	EPA 6010B
Mercury	0.023	0.020	127412	07/19/07	METHOD	EPA 7471A
Molybdenum	0.41	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Nickel	85	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127397	07/18/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127397	07/18/07	EPA 3050B	EPA 6010B
Vanadium	29	0.25	127397	07/18/07	EPA 3050B	EPA 6010B
Zinc	54	1.0	127397	07/18/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396917	Batch#:	127397
Matrix:	Soil	Prepared:	07/18/07
Units:	mg/Kg	Analyzed:	07/19/07
Basis:	as received		

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.25
Lead	ND	0.15
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 #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	127397
Units:	mg/Kg	Prepared:	07/18/07
Basis:	as received	Analyzed:	07/19/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396918

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	98.24	98	80-120
Arsenic	50.00	49.44	99	80-120
Barium	100.0	99.57	100	80-120
Beryllium	2.500	2.589	104	80-120
Cadmium	10.00	10.02	100	80-120
Chromium	100.0	96.33	96	80-120
Cobalt	25.00	23.60	94	80-120
Copper	12.50	11.92	95	80-120
Lead	100.0	95.61	96	80-120
Molybdenum	20.00	20.26	101	80-120
Nickel	25.00	23.73	95	80-120
Selenium	50.00	49.54	99	80-120
Silver	10.00	9.388	94	80-120
Thallium	50.00	49.69	99	80-120
Vanadium	25.00	24.33	97	80-120
Zinc	25.00	24.51	98	80-120

Type: BSD Lab ID: QC396919

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	100.1	100	80-120	2	20
Arsenic	50.00	50.29	101	80-120	2	20
Barium	100.0	100.8	101	80-120	1	20
Beryllium	2.500	2.647	106	80-120	2	20
Cadmium	10.00	10.32	103	80-120	3	20
Chromium	100.0	99.28	99	80-120	3	20
Cobalt	25.00	24.33	97	80-120	3	20
Copper	12.50	12.26	98	80-120	3	20
Lead	100.0	98.65	99	80-120	3	20
Molybdenum	20.00	20.54	103	80-120	1	20
Nickel	25.00	24.51	98	80-120	3	20
Selenium	50.00	50.46	101	80-120	2	20
Silver	10.00	9.690	97	80-120	3	20
Thallium	50.00	50.80	102	80-120	2	20
Vanadium	25.00	25.06	100	80-120	3	20
Zinc	25.00	25.27	101	80-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	127397
MSS Lab ID:	196050-001	Sampled:	07/18/07
Matrix:	Soil	Received:	07/18/07
Units:	mg/Kg	Prepared:	07/18/07
Basis:	as received	Analyzed:	07/19/07
Diln Fac:	1.000		

Type: MS Lab ID: QC396920

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.7560	93.46	60.48	64	1-129
Arsenic	3.191	46.73	48.89	98	72-120
Barium	47.75	93.46	135.5	94	49-138
Beryllium	0.1303	2.336	2.534	103	80-120
Cadmium	0.02568	9.346	9.094	97	72-120
Chromium	20.29	93.46	107.2	93	63-122
Cobalt	5.280	23.36	26.88	92	61-120
Copper	5.751	11.68	18.23	107	59-137
Lead	2.153	93.46	86.53	90	55-122
Molybdenum	0.7592	18.69	19.19	99	66-120
Nickel	26.09	23.36	48.75	97	45-139
Selenium	<0.07143	46.73	45.82	98	73-120
Silver	<0.01668	9.346	8.968	96	53-120
Thallium	<0.03151	46.73	43.46	93	64-120
Vanadium	25.51	23.36	49.28	102	55-139
Zinc	19.22	23.36	42.33	99	49-140

Type: MSD Lab ID: QC396921

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	99.01	61.81	62	1-129	4	23
Arsenic	49.50	50.13	95	72-120	3	20
Barium	99.01	151.1	104	49-138	7	23
Beryllium	2.475	2.632	101	80-120	2	20
Cadmium	9.901	9.524	96	72-120	1	20
Chromium	99.01	110.5	91	63-122	2	20
Cobalt	24.75	27.88	91	61-120	1	23
Copper	12.38	17.81	97	59-137	6	20
Lead	99.01	89.18	88	55-122	3	26
Molybdenum	19.80	19.38	94	66-120	5	20
Nickel	24.75	49.77	96	45-139	1	26
Selenium	49.50	46.95	95	73-120	3	20
Silver	9.901	9.437	95	53-120	1	22
Thallium	49.50	44.72	90	64-120	3	20
Vanadium	24.75	51.42	105	55-139	1	20
Zinc	24.75	43.22	97	49-140	1	23

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396975	Batch#:	127412
Matrix:	Soil	Prepared:	07/19/07
Units:	mg/Kg	Analyzed:	07/19/07

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127412
Units:	mg/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC396976	0.5000	0.4310	86	80-120		
BSD	QC396977	0.5000	0.4600	92	80-120	7	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196042	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	127412
MSS Lab ID:	195907-001	Sampled:	07/11/07
Matrix:	Soil	Received:	07/11/07
Units:	mg/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC396979	0.04151	0.4310	0.4431	93	67-143		
MSD	QC396980		0.4902	0.5441	103	67-143	9	23

RPD= Relative Percent Difference

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

Laboratory Job Number 196066

LFR Levine Fricke
1900 Powell Street
Emeryville, CA 94608

Project : 001-09567-01
Location : Hanson Radum
Level : II

Sample ID	Lab ID
B-1(A)-GGW	196066-001
EB-35(C)-2.5	196066-002
EB-35(C)-5.5	196066-003
EB-35(C)-10.5	196066-004
EB-35(D)-5.5	196066-005
EB-35(D)-9.5	196066-006
SS-31(A)-5.5	196066-007
SS-31(A)-10.5	196066-008
SS-31(A)-15.5	196066-009
SS-31(A)-20.5	196066-010
SS-31(A)-25.5	196066-011
SS-31(A)-30.5	196066-012

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.

Signature: _____ Date: 07/31/2007
Project Manager

Signature: _____ Date: 07/31/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196066**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/19/07**
Samples Received:	**07/19/07**

This hardcopy data package contains sample and QC results for ten soil samples and one water sample, requested for the above referenced project on 07/19/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/26/07.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

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

TPH-Extractables by GC (EPA 8015B) Soil:
High surrogate recovery was observed for hexacosane in EB-35(D)-9.5 (lab # 196066-006); no target analytes were detected in the sample. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Pesticides (EPA 8081A):
Responses exceeding the instrument's linear range were observed for decachlorobiphenyl in the MS/MSD for batch 127426; affected data was qualified with "b". High surrogate recoveries were observed for decachlorobiphenyl in the MS/MSD for batch 127426; the corresponding TCMX surrogate recoveries were within limits, and the parent sample was not a project sample. No other analytical problems were encountered.

Polychlorinated Biphenyls (PCBs) (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127425
Units:	mg/Kg	Sampled:	07/18/07
Basis:	as received	Received:	07/19/07
Diln Fac:	1.000	Analyzed:	07/19/07

Field ID: SS-31(A)-5.5 Lab ID: 196066-007
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	70-132
Bromofluorobenzene (FID)	102	66-138

Field ID: SS-31(A)-10.5 Lab ID: 196066-008
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.94

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	70-132
Bromofluorobenzene (FID)	104	66-138

Field ID: SS-31(A)-15.5 Lab ID: 196066-009
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	70-132
Bromofluorobenzene (FID)	107	66-138

Field ID: SS-31(A)-20.5 Lab ID: 196066-010
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	70-132
Bromofluorobenzene (FID)	104	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127425
Units:	mg/Kg	Sampled:	07/18/07
Basis:	as received	Received:	07/19/07
Diln Fac:	1.000	Analyzed:	07/19/07

Field ID: SS-31(A)-25.5 Lab ID: 196066-011
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	70-132
Bromofluorobenzene (FID)	101	66-138

Field ID: SS-31(A)-30.5 Lab ID: 196066-012
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	70-132
Bromofluorobenzene (FID)	106	66-138

Type: BLANK Lab ID: QC397055

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	70-132
Bromofluorobenzene (FID)	96	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC397056	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127425
Units:	mg/Kg	Analyzed:	07/19/07

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.942	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	70-132
Bromofluorobenzene (FID)	97	66-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	SS-31(A)-5.5	Diln Fac:	1.000
MSS Lab ID:	196066-007	Batch#:	127425
Matrix:	Soil	Sampled:	07/18/07
Units:	mg/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Type: MS Lab ID: QC397057

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1189	10.10	10.70	105	36-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	70-132
Bromofluorobenzene (FID)	108	66-138

Type: MSD Lab ID: QC397058

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.901	9.789	98	36-120	7	29

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	70-132
Bromofluorobenzene (FID)	107	66-138

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	B-1(A)-GGW	Batch#:	127482
Matrix:	Water	Sampled:	07/18/07
Units:	ug/L	Received:	07/19/07
Diln Fac:	1.000	Prepared:	07/21/07

Type:	SAMPLE	Analyzed:	07/24/07
Lab ID:	196066-001	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	79 H Y	50
Motor Oil C24-C36	1,100 H	300

Surrogate	%REC	Limits
Hexacosane	85	61-134

Type:	BLANK	Analyzed:	07/22/07
Lab ID:	QC397291	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	105	61-134

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397292	Batch#:	127482
Matrix:	Water	Prepared:	07/21/07
Units:	ug/L	Analyzed:	07/22/07

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,192	88	58-130

Surrogate	%REC	Limits
Hexacosane	98	61-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127482
MSS Lab ID:	196040-002	Sampled:	07/17/07
Matrix:	Water	Received:	07/17/07
Units:	ug/L	Prepared:	07/21/07
Diln Fac:	1.000	Analyzed:	07/23/07

Type: MS Lab ID: QC397293

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<15.44	2,500	2,261	90	57-134

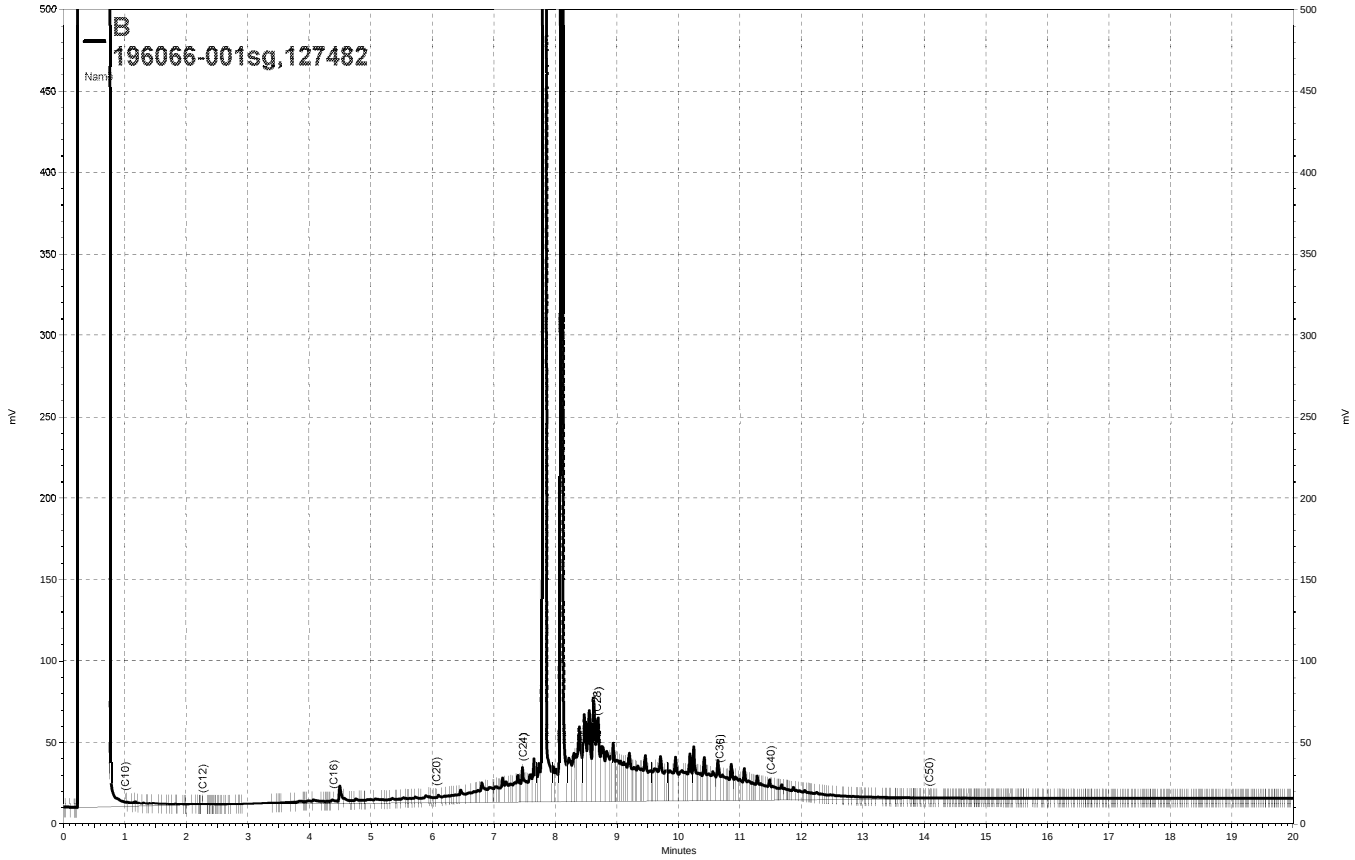
Surrogate	%REC	Limits
Hexacosane	95	61-134

Type: MSD Lab ID: QC397294

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,318	93	57-134	3	32

Surrogate	%REC	Limits
Hexacosane	95	61-134

RPD= Relative Percent Difference



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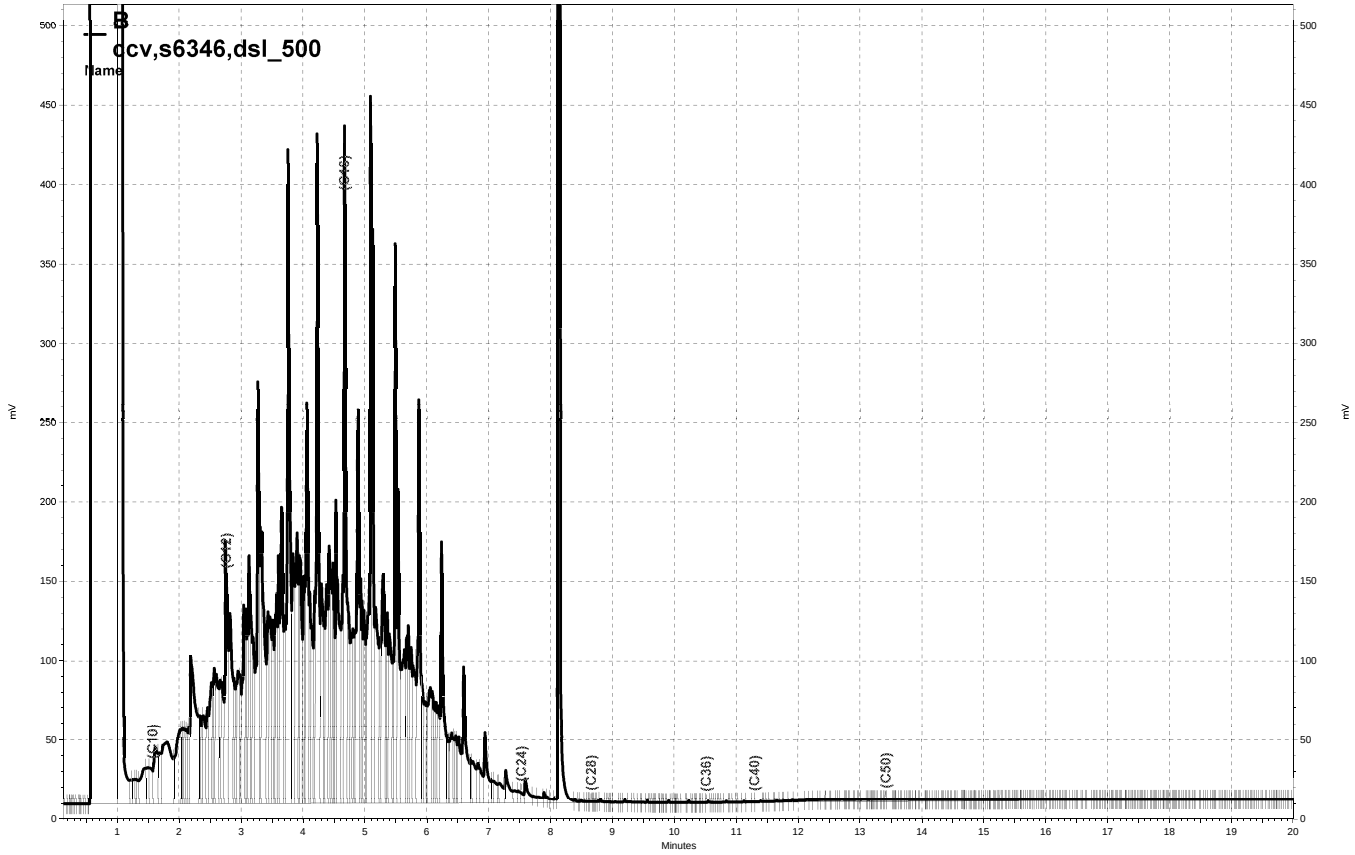

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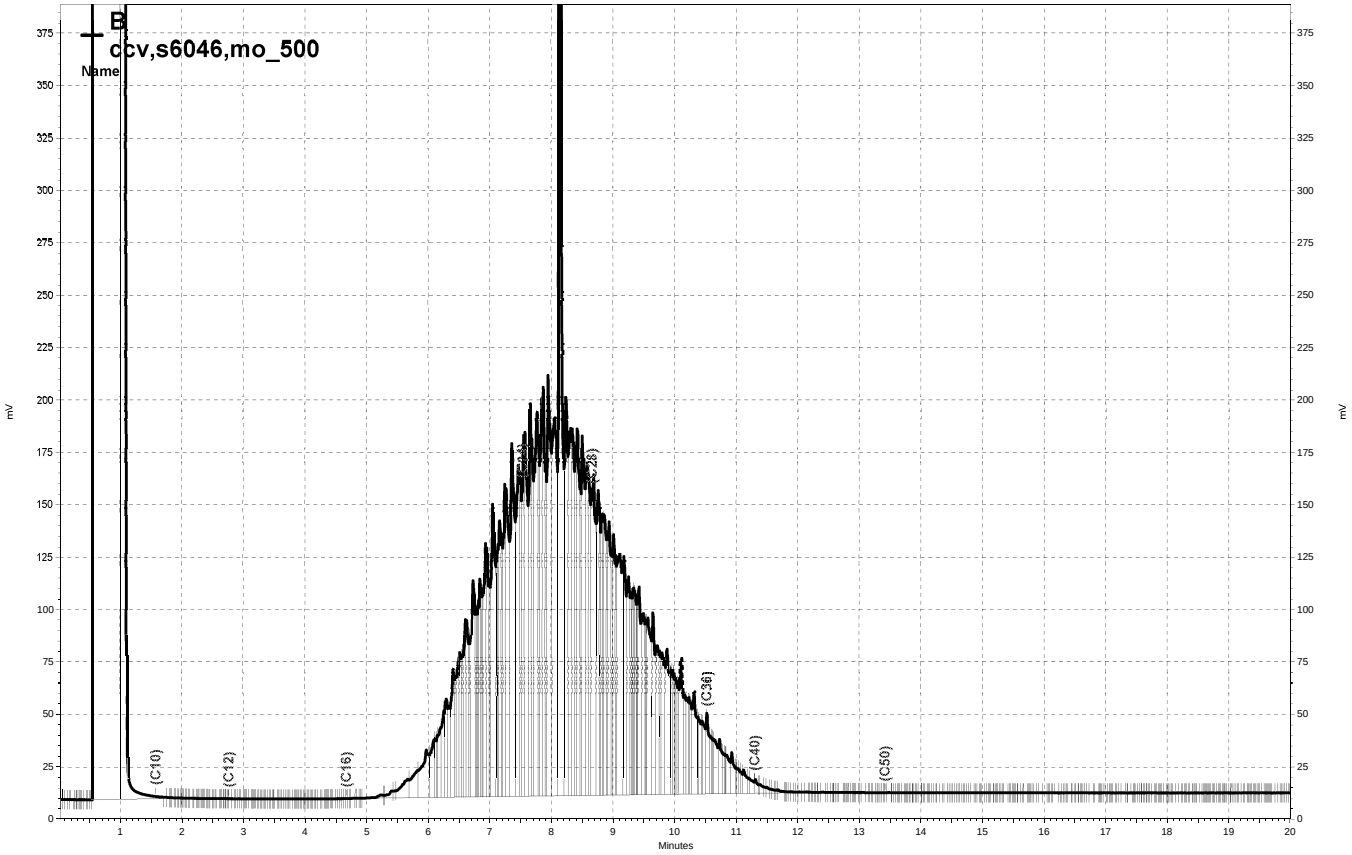

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Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/18/07
Units:	mg/Kg	Received:	07/19/07
Basis:	as received	Prepared:	07/19/07
Batch#:	127422		

Field ID:	EB-35(C)-5.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196066-003	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	108	40-127

Field ID:	EB-35(C)-10.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196066-004	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	79	40-127

Field ID:	EB-35(D)-5.5	Diln Fac:	10.00
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196066-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	38 H Y	9.9
Motor Oil C24-C36	810 H	50

Surrogate	%REC	Limits
Hexacosane	DO	40-127

Field ID:	EB-35(D)-9.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196066-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	137 *	40-127

*= Value outside of QC limits; see narrative
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/18/07
Units:	mg/Kg	Received:	07/19/07
Basis:	as received	Prepared:	07/19/07
Batch#:	127422		

Field ID:	SS-31(A)-5.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/24/07
Lab ID:	196066-007	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	5.9 H	5.0

Surrogate	%REC	Limits
Hexacosane	77	40-127

Field ID:	SS-31(A)-10.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/24/07
Lab ID:	196066-008	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	100	40-127

Field ID:	SS-31(A)-15.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196066-009	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	94	40-127

Field ID:	SS-31(A)-20.5	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	07/24/07
Lab ID:	196066-010	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	73	40-127

*= Value outside of QC limits; see narrative
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/18/07
Units:	mg/Kg	Received:	07/19/07
Basis:	as received	Prepared:	07/19/07
Batch#:	127422		

Field ID: SS-31(A)-25.5
Type: SAMPLE
Lab ID: 196066-011
Diln Fac: 1.000
Analyzed: 07/24/07
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	87	40-127

Field ID: SS-31(A)-30.5
Type: SAMPLE
Lab ID: 196066-012
Diln Fac: 1.000
Analyzed: 07/24/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	70	40-127

Type: BLANK
Lab ID: QC397041
Diln Fac: 1.000
Analyzed: 07/22/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	81	40-127

*= Value outside of QC limits; see narrative
H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397042	Batch#:	127422
Matrix:	Soil	Prepared:	07/19/07
Units:	mg/Kg	Analyzed:	07/23/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.78	34.08	68	58-127

Surrogate	%REC	Limits
Hexacosane	63	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	195992-006	Batch#:	127422
Matrix:	Miscell.	Sampled:	07/13/07
Units:	mg/Kg	Received:	07/16/07
Basis:	as received	Prepared:	07/19/07

Type:	MS	Analyzed:	07/22/07
Lab ID:	QC397043	Cleanup Method:	EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	55.33	49.94	124.9	139	29-147

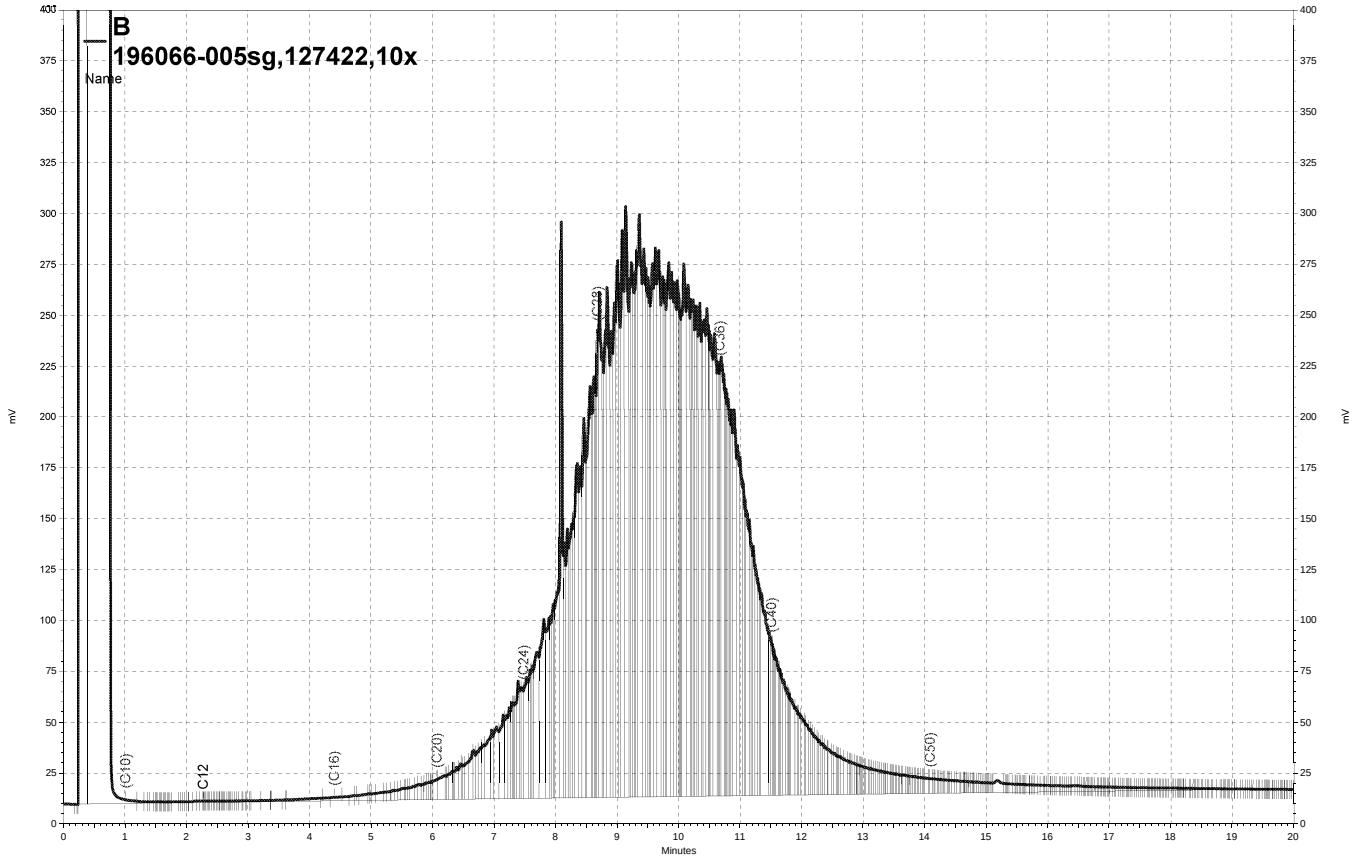
Surrogate	%REC	Limits
Hexacosane	100	40-127

Type:	MSD	Analyzed:	07/23/07
Lab ID:	QC397044	Cleanup Method:	EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.89	119.1	128	29-147	5	46

Surrogate	%REC	Limits
Hexacosane	96	40-127

RPD= Relative Percent Difference



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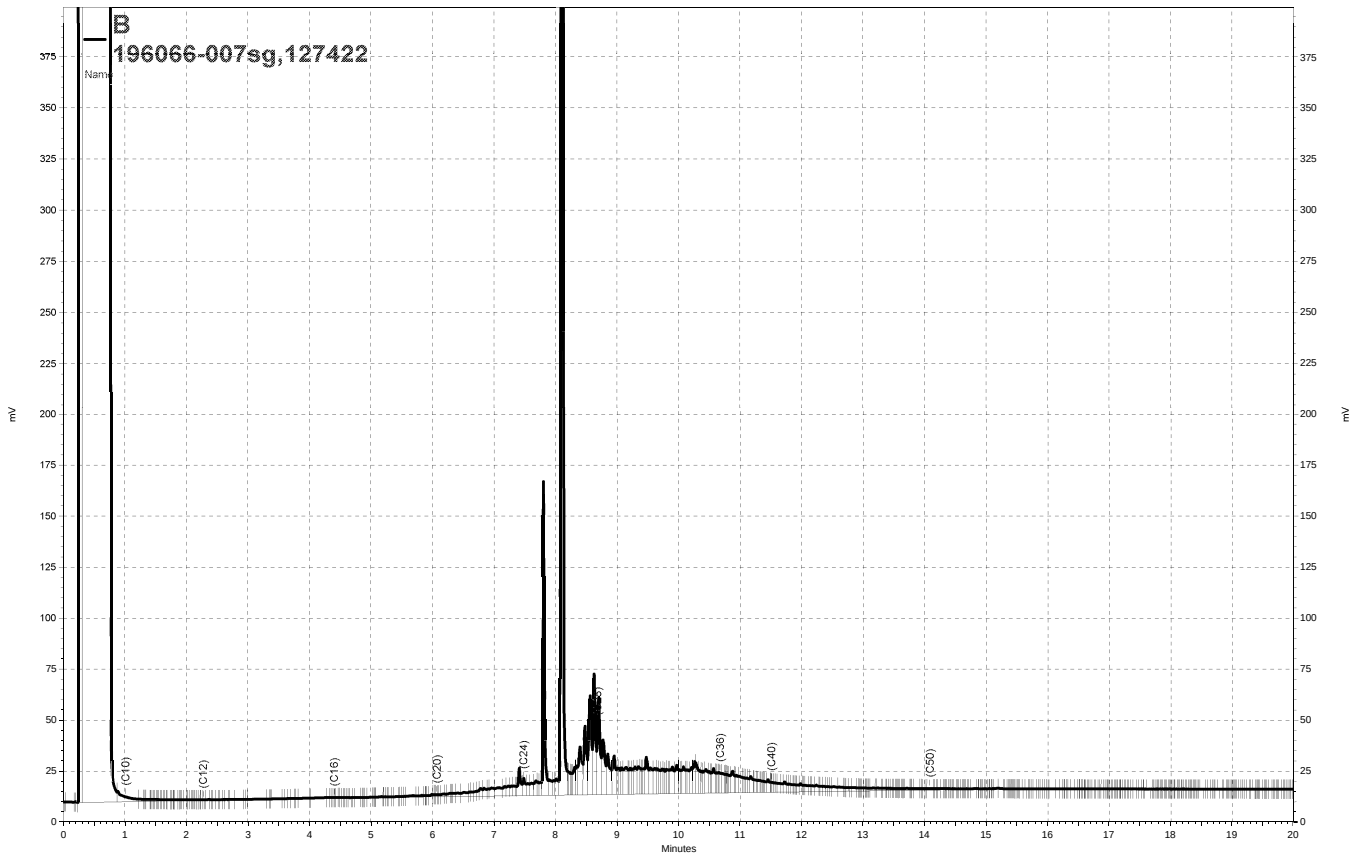

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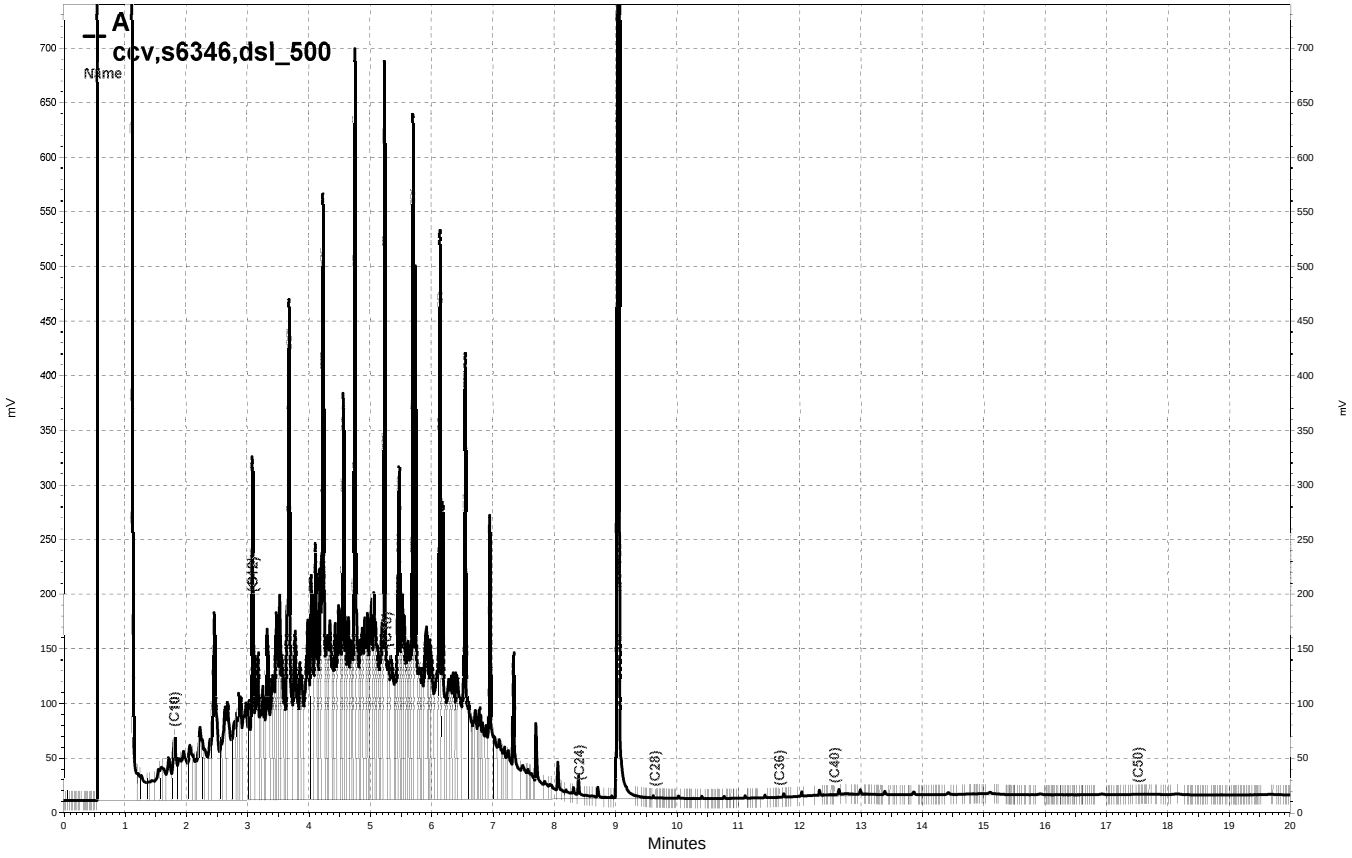

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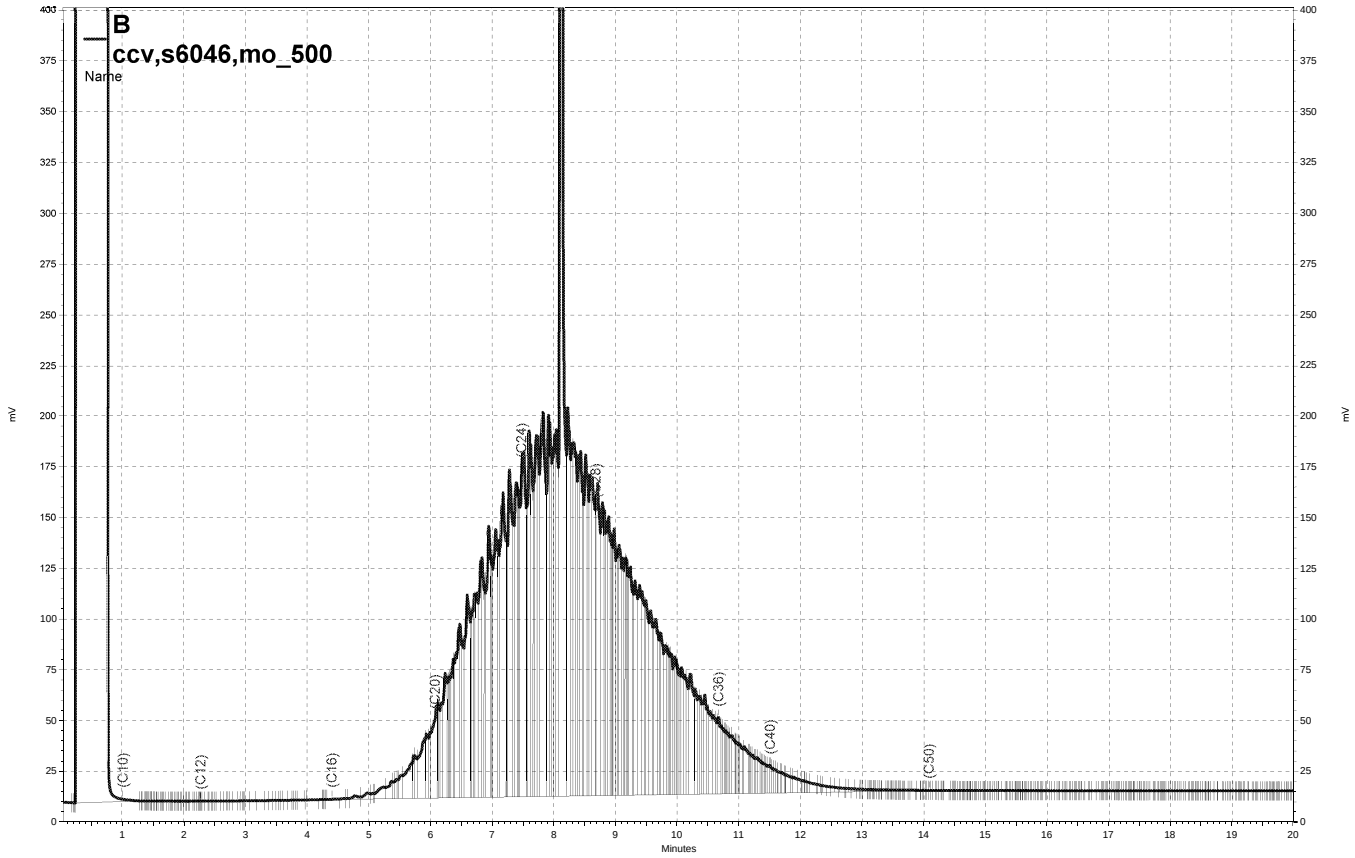

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Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	B-1(A)-GGW	Batch#:	127360
Lab ID:	196066-001	Sampled:	07/18/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/18/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	10	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	B-1(A)-GGW	Batch#:	127360
Lab ID:	196066-001	Sampled:	07/18/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Analyzed:	07/18/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	94	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC396744	Batch#:	127360
Matrix:	Water	Analyzed:	07/18/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396744	Batch#:	127360
Matrix:	Water	Analyzed:	07/18/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127360
Units:	ug/L	Analyzed:	07/18/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396745

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	137.5	110	68-132
Isopropyl Ether (DIPE)	25.00	25.20	101	65-120
Ethyl tert-Butyl Ether (ETBE)	25.00	28.31	113	75-124
Methyl tert-Amyl Ether (TAME)	25.00	29.88	120	77-120
1,1-Dichloroethene	25.00	29.27	117	80-132
Benzene	25.00	27.35	109	80-120
Trichloroethene	25.00	25.55	102	80-120
Toluene	25.00	28.26	113	80-120
Chlorobenzene	25.00	26.81	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC396746

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	125.1	100	68-132	9	20
Isopropyl Ether (DIPE)	25.00	23.70	95	65-120	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	26.28	105	75-124	7	20
Methyl tert-Amyl Ether (TAME)	25.00	27.41	110	77-120	9	20
1,1-Dichloroethene	25.00	27.31	109	80-132	7	20
Benzene	25.00	25.83	103	80-120	6	20
Trichloroethene	25.00	23.96	96	80-120	6	20
Toluene	25.00	26.39	106	80-120	7	20
Chlorobenzene	25.00	25.47	102	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127360
Units:	ug/L	Analyzed:	07/18/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396827

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,500	1,427	95	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	95	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC396828

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,500	1,399	93	70-130	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	127360
MSS Lab ID:	196040-002	Sampled:	07/17/07
Matrix:	Water	Received:	07/17/07
Units:	ug/L	Analyzed:	07/19/07
Diln Fac:	1.000		

Type: MS Lab ID: QC396910

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.579	125.0	124.4	99	69-137
Isopropyl Ether (DIPE)	<0.04032	25.00	25.43	102	69-120
Ethyl tert-Butyl Ether (ETBE)	<0.07412	25.00	27.36	109	78-127
Methyl tert-Amyl Ether (TAME)	<0.04870	25.00	28.79	115	79-120
1,1-Dichloroethene	<0.09386	25.00	27.83	111	80-139
Benzene	<0.2500	25.00	26.96	108	80-123
Trichloroethene	<0.1151	25.00	25.03	100	75-129
Toluene	<0.1338	25.00	27.15	109	80-122
Chlorobenzene	<0.1569	25.00	26.43	106	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	97	80-122

Type: MSD Lab ID: QC396911

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	123.8	99	69-137	0	20
Isopropyl Ether (DIPE)	25.00	24.50	98	69-120	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	26.41	106	78-127	4	20
Methyl tert-Amyl Ether (TAME)	25.00	27.83	111	79-120	3	20
1,1-Dichloroethene	25.00	26.78	107	80-139	4	20
Benzene	25.00	26.47	106	80-123	2	20
Trichloroethene	25.00	24.48	98	75-129	2	20
Toluene	25.00	26.57	106	80-122	2	20
Chlorobenzene	25.00	26.07	104	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-5.5	Diln Fac:	0.9804
Lab ID:	196066-007	Batch#:	127415
Matrix:	Soil	Sampled:	07/18/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	103	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-10.5	Diln Fac:	0.9434
Lab ID:	196066-008	Batch#:	127415
Matrix:	Soil	Sampled:	07/18/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
Toluene	ND	4.7
1,2-Dibromoethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	106	78-126
1,2-Dichloroethane-d4	110	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-15.5	Diln Fac:	0.9615
Lab ID:	196066-009	Batch#:	127415
Matrix:	Soil	Sampled:	07/18/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-126
1,2-Dichloroethane-d4	107	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-20.5	Diln Fac:	0.9259
Lab ID:	196066-010	Batch#:	127415
Matrix:	Soil	Sampled:	07/18/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	93
MTBE	ND	4.6
Isopropyl Ether (DIPE)	ND	4.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Methyl tert-Amyl Ether (TAME)	ND	4.6
Toluene	ND	4.6
1,2-Dibromoethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	108	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-25.5	Diln Fac:	0.9615
Lab ID:	196066-011	Batch#:	127415
Matrix:	Soil	Sampled:	07/18/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	110	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-30.5	Diln Fac:	1.000
Lab ID:	196066-012	Batch#:	127415
Matrix:	Soil	Sampled:	07/18/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	107	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC396987	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127415
Units:	ug/Kg	Analyzed:	07/19/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	102	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC396988	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127415
Units:	ug/Kg	Analyzed:	07/19/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	250.0	242.5	97	56-130
MTBE	50.00	44.92	90	66-120
Isopropyl Ether (DIPE)	50.00	41.80	84	57-120
Ethyl tert-Butyl Ether (ETBE)	50.00	41.66	83	68-120
1,2-Dichloroethane	50.00	51.35	103	73-120
Benzene	50.00	50.06	100	80-120
Methyl tert-Amyl Ether (TAME)	50.00	49.17	98	73-120
Toluene	50.00	50.57	101	80-120
1,2-Dibromoethane	50.00	51.94	104	80-120
Ethylbenzene	50.00	51.79	104	80-125
m,p-Xylenes	100.0	104.8	105	80-123
o-Xylene	50.00	52.00	104	80-122

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-126
1,2-Dichloroethane-d4	107	76-135
Toluene-d8	101	80-120
Bromofluorobenzene	96	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-5.5	Dil'n Fac:	0.9804
MSS Lab ID:	196066-007	Batch#:	127415
Matrix:	Soil	Sampled:	07/18/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/19/07

Type: MS Lab ID: QC397059

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.403	245.1	169.4	69	45-123
MTBE	<0.1161	49.02	35.11	72	55-120
Isopropyl Ether (DIPE)	<0.1337	49.02	32.47	66	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.1074	49.02	33.07	67	58-120
1,2-Dichloroethane	<0.1975	49.02	43.39	89	56-120
Benzene	<0.1925	49.02	40.59	83	61-122
Methyl tert-Amyl Ether (TAME)	<0.09438	49.02	38.33	78	60-120
Toluene	<0.2524	49.02	40.54	83	57-124
1,2-Dibromoethane	<0.2877	49.02	42.76	87	57-120
Ethylbenzene	<0.3561	49.02	41.18	84	55-129
m,p-Xylenes	<0.5854	98.04	83.47	85	53-127
o-Xylene	<0.1744	49.02	41.82	85	54-127

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	109	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	96	80-126

Type: MSD Lab ID: QC397060

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.1	170.2	69	45-123	0	32
MTBE	49.02	38.42	78	55-120	9	20
Isopropyl Ether (DIPE)	49.02	36.99	75	50-120	13	20
Ethyl tert-Butyl Ether (ETBE)	49.02	36.89	75	58-120	11	20
1,2-Dichloroethane	49.02	38.61	79	56-120	12	20
Benzene	49.02	37.31	76	61-122	8	20
Methyl tert-Amyl Ether (TAME)	49.02	41.85	85	60-120	9	20
Toluene	49.02	37.40	76	57-124	8	21
1,2-Dibromoethane	49.02	38.44	78	57-120	11	20
Ethylbenzene	49.02	38.12	78	55-129	8	23
m,p-Xylenes	98.04	77.48	79	53-127	7	23
o-Xylene	49.02	39.15	80	54-127	7	22

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	104	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	97	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(A)-5.5	Batch#:	127409
Lab ID:	196066-007	Sampled:	07/18/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(A)-5.5	Batch#:	127409
Lab ID:	196066-007	Sampled:	07/18/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	52	28-120
Phenol-d5	54	30-120
2,4,6-Tribromophenol	49	20-120
Nitrobenzene-d5	56	39-120
2-Fluorobiphenyl	54	44-120
Terphenyl-d14	51	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(A)-10.5	Batch#:	127409
Lab ID:	196066-008	Sampled:	07/18/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(A)-10.5	Batch#:	127409
Lab ID:	196066-008	Sampled:	07/18/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	65	28-120
Phenol-d5	60	30-120
2,4,6-Tribromophenol	64	20-120
Nitrobenzene-d5	70	39-120
2-Fluorobiphenyl	65	44-120
Terphenyl-d14	63	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC396965	Batch#:	127409
Matrix:	Soil	Prepared:	07/19/07
Units:	ug/Kg	Analyzed:	07/20/07
Basis:	as received		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	670
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	67
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	67
Hexachlorocyclopentadiene	ND	670
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670
Dimethylphthalate	ND	330
Acenaphthylene	ND	67
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	670
Acenaphthene	ND	67
2,4-Dinitrophenol	ND	670
4-Nitrophenol	ND	670
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	67
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	670
4,6-Dinitro-2-methylphenol	ND	670
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	670
Phenanthrene	ND	67
Anthracene	ND	67
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396965	Batch#:	127409
Matrix:	Soil	Prepared:	07/19/07
Units:	ug/Kg	Analyzed:	07/20/07
Basis:	as received		

Analyte	Result	RL
Fluoranthene	ND	67
Pyrene	ND	67
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	67
Chrysene	ND	67
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
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
2-Fluorophenol	69	28-120
Phenol-d5	68	30-120
2,4,6-Tribromophenol	74	20-120
Nitrobenzene-d5	70	39-120
2-Fluorobiphenyl	74	44-120
Terphenyl-d14	72	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396966	Batch#:	127409
Matrix:	Soil	Prepared:	07/19/07
Units:	ug/Kg	Analyzed:	07/20/07
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Phenol	2,665	1,778	67	40-120
2-Chlorophenol	2,665	1,834	69	40-120
1,4-Dichlorobenzene	1,332	1,067	80	45-120
N-Nitroso-di-n-propylamine	1,332	782.0	59	34-120
1,2,4-Trichlorobenzene	1,332	1,136	85	45-120
4-Chloro-3-methylphenol	2,665	1,993	75	45-120
Acenaphthene	1,332	970.3	73	42-120
4-Nitrophenol	2,665	1,630	61	31-120
2,4-Dinitrotoluene	1,332	1,111	83	41-120
Pentachlorophenol	2,665	1,970	74	21-120
Pyrene	1,332	991.4	74	41-120

Surrogate	%REC	Limits
2-Fluorophenol	69	28-120
Phenol-d5	68	30-120
2,4,6-Tribromophenol	104	20-120
Nitrobenzene-d5	68	39-120
2-Fluorobiphenyl	74	44-120
Terphenyl-d14	71	39-120

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(A)-5.5	Batch#:	127409
MSS Lab ID:	196066-007	Sampled:	07/18/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Type: MS Lab ID: QC396967

Analyte	MSS Result	Spiked	Result	%REC	Limits
Phenol	<79.34	2,660	1,877	71	38-120
2-Chlorophenol	<77.83	2,660	1,848	69	38-120
1,4-Dichlorobenzene	<21.83	1,330	987.9	74	49-120
N-Nitroso-di-n-propylamine	<15.02	1,330	880.9	66	43-120
1,2,4-Trichlorobenzene	<20.21	1,330	1,021	77	47-120
4-Chloro-3-methylphenol	<88.23	2,660	2,071	78	44-120
Acenaphthene	<14.68	1,330	970.9	73	48-120
4-Nitrophenol	<65.81	2,660	1,692	64	30-120
2,4-Dinitrotoluene	<12.11	1,330	1,075	81	41-120
Pentachlorophenol	<147.7	2,660	1,547	58	13-120
Pyrene	<14.95	1,330	1,029	77	42-120

Surrogate	%REC	Limits
2-Fluorophenol	69	28-120
Phenol-d5	74	30-120
2,4,6-Tribromophenol	100	20-120
Nitrobenzene-d5	70	39-120
2-Fluorobiphenyl	74	44-120
Terphenyl-d14	72	39-120

Type: MSD Lab ID: QC396968

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	2,659	1,830	69	38-120	2	26
2-Chlorophenol	2,659	1,872	70	38-120	1	28
1,4-Dichlorobenzene	1,329	1,081	81	49-120	9	27
N-Nitroso-di-n-propylamine	1,329	844.8	64	43-120	4	28
1,2,4-Trichlorobenzene	1,329	1,104	83	47-120	8	26
4-Chloro-3-methylphenol	2,659	1,965	74	44-120	5	28
Acenaphthene	1,329	962.8	72	48-120	1	29
4-Nitrophenol	2,659	1,566	59	30-120	8	38
2,4-Dinitrotoluene	1,329	1,024	77	41-120	5	26
Pentachlorophenol	2,659	1,546	58	13-120	0	55
Pyrene	1,329	979.8	74	42-120	5	30

Surrogate	%REC	Limits
2-Fluorophenol	70	28-120
Phenol-d5	72	30-120
2,4,6-Tribromophenol	102	20-120
Nitrobenzene-d5	69	39-120
2-Fluorobiphenyl	75	44-120
Terphenyl-d14	70	39-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	SS-31(A)-5.5	Batch#:	127426
Lab ID:	196066-007	Sampled:	07/18/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/20/07
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	59

Surrogate	%REC	Limits
TCMX	66	50-120
Decachlorobiphenyl	84	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	SS-31(A)-10.5	Batch#:	127426
Lab ID:	196066-008	Sampled:	07/18/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/20/07
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	59

Surrogate	%REC	Limits
TCMX	57	50-120
Decachlorobiphenyl	76	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397061	Batch#:	127426
Matrix:	Soil	Prepared:	07/19/07
Units:	ug/Kg	Analyzed:	07/20/07
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	64	50-120
Decachlorobiphenyl	100	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397062	Batch#:	127426
Matrix:	Soil	Prepared:	07/19/07
Units:	ug/Kg	Analyzed:	07/20/07
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.32	9.443	71	42-120
Heptachlor	13.32	9.818	74	44-130
Aldrin	13.32	9.564	72	47-120
Dieldrin	26.63	20.72	78	50-121
Endrin	26.63	19.00	71	39-130
4,4'-DDT	26.63	19.17	72	45-127

Surrogate	%REC	Limits
TCMX	65	50-120
Decachlorobiphenyl	90	54-133

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	ZZZZZZZZZZ	Batch#:	127426
MSS Lab ID:	196075-003	Sampled:	07/19/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/21/07
Diln Fac:	1.000		

Type: MS
Lab ID: QC397063

Cleanup Method: EPA 3620B

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.5534	13.31	10.30	77	45-120
Heptachlor	0.6478	13.31	9.770	69	50-124
Aldrin	0.9546	13.31	10.29	70	47-122
Dieldrin	<1.245	26.62	21.64	81	47-122
Endrin	<1.500	26.62	18.84	71	46-127
4,4'-DDT	108.8	26.62	69.01 #	-149 NM	27-136

Surrogate	%REC	Limits
TCMX	87	50-120
Decachlorobiphenyl	555 * >LR b	54-133

Type: MSD
Lab ID: QC397064

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.25	11.87	90	45-120	15	39
Heptachlor	13.25	10.79	77	50-124	10	37
Aldrin	13.25	11.38	79	47-122	10	35
Dieldrin	26.50	25.22	95	47-122	16	34
Endrin	26.50	23.20	88	46-127	21	37
4,4'-DDT	26.50	91.72 #	-64 NM	27-136	28	49

Surrogate	%REC	Limits
TCMX	95	50-120
Decachlorobiphenyl	503 * >LR b	54-133

#= CCV drift outside limits; average CCV drift within limits per method requirements
*= Value outside of QC limits; see narrative
b= See narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
>LR= Response exceeds instrument's linear range
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	07/18/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Prepared:	07/19/07
Diln Fac:	1.000	Analyzed:	07/21/07
Batch#:	127426		

Field ID: SS-31(A)-5.5 Lab ID: 196066-007
Type: SAMPLE Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	9.5
Aroclor-1221	ND	19
Aroclor-1232	ND	9.5
Aroclor-1242	ND	9.5
Aroclor-1248	ND	9.5
Aroclor-1254	ND	9.5
Aroclor-1260	ND	9.5

Surrogate	%REC	Limits
TCMX	92	63-141
Decachlorobiphenyl	83	50-158

Field ID: SS-31(A)-10.5 Lab ID: 196066-008
Type: SAMPLE Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	9.5
Aroclor-1221	ND	19
Aroclor-1232	ND	9.5
Aroclor-1242	ND	9.5
Aroclor-1248	ND	9.5
Aroclor-1254	ND	9.5
Aroclor-1260	ND	9.5

Surrogate	%REC	Limits
TCMX	104	63-141
Decachlorobiphenyl	100	50-158

Type: BLANK Cleanup Method: EPA 3665A
Lab ID: QC397061

Analyte	Result	RL
Aroclor-1016	ND	9.6
Aroclor-1221	ND	19
Aroclor-1232	ND	9.6
Aroclor-1242	ND	9.6
Aroclor-1248	ND	9.6
Aroclor-1254	ND	9.6
Aroclor-1260	ND	9.6

Surrogate	%REC	Limits
TCMX	105	63-141
Decachlorobiphenyl	113	50-158

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397069	Batch#:	127426
Matrix:	Soil	Prepared:	07/19/07
Units:	ug/Kg	Analyzed:	07/21/07
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1232	166.3	171.5	103	68-138

Surrogate	%REC	Limits
TCMX	101	63-141
Decachlorobiphenyl	88	50-158

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Field ID:	SS-31(A)-5.5	Batch#:	127426
MSS Lab ID:	196066-007	Sampled:	07/18/07
Matrix:	Soil	Received:	07/19/07
Units:	ug/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/21/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3665A
Lab ID: QC397070

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1232	<1.312	166.2	194.6	117	72-140

Surrogate	%REC	Limits
TCMX	112	63-141
Decachlorobiphenyl	103	50-158

Type: MSD Cleanup Method: EPA 3665A
Lab ID: QC397071

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1232	166.3	180.3	108	72-140	8	27

Surrogate	%REC	Limits
TCMX	99	63-141
Decachlorobiphenyl	98	50-158

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196066	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SS-31(A)-5.5	Basis:	as received
Lab ID:	196066-007	Diln Fac:	1.000
Matrix:	Soil	Sampled:	07/18/07
Units:	mg/Kg	Received:	07/19/07

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	0.95	0.50	127437	07/19/07	07/23/07	EPA 3050B	EPA 6010B
Arsenic	8.3	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Barium	260	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Beryllium	0.41	0.10	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Chromium	27	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Cobalt	9.8	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Copper	35	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Lead	6.9	0.15	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Mercury	0.13	0.020	127507	07/23/07	07/23/07	METHOD	EPA 7471A
Molybdenum	ND	0.25	127437	07/19/07	07/23/07	EPA 3050B	EPA 6010B
Nickel	40	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Vanadium	39	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Zinc	46	1.0	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196066	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SS-31(A)-10.5	Basis:	as received
Lab ID:	196066-008	Diln Fac:	1.000
Matrix:	Soil	Sampled:	07/18/07
Units:	mg/Kg	Received:	07/19/07

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	1.6	0.50	127437	07/19/07	07/23/07	EPA 3050B	EPA 6010B
Arsenic	5.5	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Barium	170	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Beryllium	0.48	0.10	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Chromium	72	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Cobalt	15	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Copper	46	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Lead	10	0.15	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Mercury	0.055	0.020	127507	07/23/07	07/23/07	METHOD	EPA 7471A
Molybdenum	0.41	0.25	127437	07/19/07	07/23/07	EPA 3050B	EPA 6010B
Nickel	100	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Vanadium	35	0.25	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B
Zinc	70	1.0	127437	07/19/07	07/20/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397087	Batch#:	127437
Matrix:	Soil	Prepared:	07/19/07
Units:	mg/Kg	Analyzed:	07/20/07
Basis:	as received		

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.25
Lead	ND	0.15
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 #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	127437
Units:	mg/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/20/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397088

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	98.52	99	80-120
Arsenic	50.00	48.81	98	80-120
Barium	100.0	97.46	97	80-120
Beryllium	2.500	2.537	101	80-120
Cadmium	10.00	9.926	99	80-120
Chromium	100.0	94.68	95	80-120
Cobalt	25.00	23.33	93	80-120
Copper	12.50	11.71	94	80-120
Lead	100.0	95.09	95	80-120
Molybdenum	20.00	20.14	101	80-120
Nickel	25.00	23.60	94	80-120
Selenium	50.00	49.81	100	80-120
Silver	10.00	9.384	94	80-120
Thallium	50.00	48.48	97	80-120
Vanadium	25.00	23.82	95	80-120
Zinc	25.00	24.25	97	80-120

Type: BSD Lab ID: QC397089

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	98.48	98	80-120	0	20
Arsenic	50.00	48.73	97	80-120	0	20
Barium	100.0	97.53	98	80-120	0	20
Beryllium	2.500	2.549	102	80-120	0	20
Cadmium	10.00	9.973	100	80-120	0	20
Chromium	100.0	95.13	95	80-120	0	20
Cobalt	25.00	23.35	93	80-120	0	20
Copper	12.50	11.77	94	80-120	0	20
Lead	100.0	95.52	96	80-120	0	20
Molybdenum	20.00	20.31	102	80-120	1	20
Nickel	25.00	23.61	94	80-120	0	20
Selenium	50.00	49.69	99	80-120	0	20
Silver	10.00	9.388	94	80-120	0	20
Thallium	50.00	48.21	96	80-120	1	20
Vanadium	25.00	23.93	96	80-120	0	20
Zinc	25.00	24.46	98	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	127437
MSS Lab ID:	196071-001	Sampled:	07/17/07
Matrix:	Soil	Received:	07/19/07
Units:	mg/Kg	Prepared:	07/19/07
Basis:	as received	Analyzed:	07/20/07
Diln Fac:	1.000		

Type: MS Lab ID: QC397090

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<0.02455	99.01	96.84	98	1-129
Arsenic	0.1249	49.50	48.42	98	72-120
Barium	2.484	99.01	98.97	97	49-138
Beryllium	4.818	2.475	7.589	112	80-120
Cadmium	1,062	9.901	1,039 >LR	-233 NM	72-120
Chromium	1,630	99.01	1,733 >LR	104 NM	63-122
Cobalt	1.633	24.75	25.77	98	61-120
Copper	3,152	12.38	3,154 >LR	16 NM	59-137
Lead	86.85	99.01	186.3	100	55-122
Molybdenum	4.908	19.80	24.63	100	66-120
Nickel	1,192	24.75	1,214 >LR	88 NM	45-139
Selenium	0.2042	49.50	49.17	99	73-120
Silver	0.4776	9.901	10.04	97	53-120
Thallium	0.2131	49.50	46.45	93	64-120
Vanadium	<0.01889	24.75	20.30	82	55-139
Zinc	1,941	24.75	1,917 >LR	-98 NM	49-140

Type: MSD Lab ID: QC397091

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	98.04	95.48	97	1-129	0	23
Arsenic	49.02	47.74	97	72-120	0	20
Barium	98.04	96.05	95	49-138	2	23
Beryllium	2.451	7.362	104	80-120	3	20
Cadmium	9.804	1,019 >LR	-445 NM	72-120	NC	20
Chromium	98.04	1,679 >LR	50 NM	63-122	NC	20
Cobalt	24.51	25.23	96	61-120	1	23
Copper	12.25	3,086 >LR	-543 NM	59-137	NC	20
Lead	98.04	182.0	97	55-122	2	26
Molybdenum	19.61	24.20	98	66-120	1	20
Nickel	24.51	1,176 >LR	-63 NM	45-139	NC	26
Selenium	49.02	48.48	98	73-120	0	20
Silver	9.804	9.813	95	53-120	1	22
Thallium	49.02	45.76	93	64-120	1	20
Vanadium	24.51	19.84	81	55-139	1	20
Zinc	24.51	1,863 >LR	-321 NM	49-140	NC	23

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 #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397433	Batch#:	127507
Matrix:	Soil	Prepared:	07/23/07
Units:	mg/Kg	Analyzed:	07/23/07

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127507
Units:	mg/Kg	Prepared:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC397434	0.5000	0.5220	104	80-120		
BSD	QC397435	0.5000	0.5080	102	80-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196066	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	127507
MSS Lab ID:	196050-001	Sampled:	07/18/07
Matrix:	Soil	Received:	07/18/07
Units:	mg/Kg	Prepared:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC397437	<0.005263	0.4098	0.4295	105	67-143		
MSD	QC397438		0.4032	0.4419	110	67-143	4	23

RPD= Relative Percent Difference

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

Laboratory Job Number 196103

LFR Levine Fricke
1900 Powell Street
Emeryville, CA 94608

Project : 001-09567-01
Location : Hanson Radum
Level : II

Sample ID	Lab ID
SS-31(A)-40.5	196103-001
SS-31(A)-50.5	196103-002
SS-31(A)-52.5	196103-003
SS-31(A)-60.5	196103-004
SS-31(A)-65.5	196103-005
SS-31(A)-GGW	196103-006
SS-31(B)-5.5	196103-007
SS-31(B)-10.5	196103-008
SS-31(B)-15.5	196103-009
SS-31(B)-20.5	196103-010
SS-31(B)-25.5	196103-011
SS-31(B)-30.5	196103-012
SS-31(B)-40	196103-013
SS-31(B)-50	196103-014
SS-31(B)-60.5	196103-015

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.

Signature: _____ Date: 07/30/2007
Project Manager

Signature: _____ Date: 07/30/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196103**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/20/07**
Samples Received:	**07/20/07**

This hardcopy data package contains sample and QC results for thirteen soil samples and one water sample, requested for the above referenced project on 07/20/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/27/07.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

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

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

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID: SS-31(A)-40.5
Type: SAMPLE
Lab ID: 196103-001
Batch#: 127451
Analyzed: 07/20/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	70-132
Bromofluorobenzene (FID)	105	66-138

Field ID: SS-31(A)-50.5
Type: SAMPLE
Lab ID: 196103-002
Batch#: 127451
Analyzed: 07/20/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	70-132
Bromofluorobenzene (FID)	104	66-138

Field ID: SS-31(A)-52.5
Type: SAMPLE
Lab ID: 196103-003
Batch#: 127451
Analyzed: 07/20/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	87	70-132
Bromofluorobenzene (FID)	95	66-138

Field ID: SS-31(A)-60.5
Type: SAMPLE
Lab ID: 196103-004
Batch#: 127451
Analyzed: 07/20/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	70-132
Bromofluorobenzene (FID)	101	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID: SS-31(B)-5.5 Batch#: 127451
Type: SAMPLE Analyzed: 07/21/07
Lab ID: 196103-007

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	70-132
Bromofluorobenzene (FID)	101	66-138

Field ID: SS-31(B)-10.5 Batch#: 127451
Type: SAMPLE Analyzed: 07/21/07
Lab ID: 196103-008

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	70-132
Bromofluorobenzene (FID)	106	66-138

Field ID: SS-31(B)-15.5 Batch#: 127451
Type: SAMPLE Analyzed: 07/21/07
Lab ID: 196103-009

Analyte	Result	RL
Gasoline C7-C12	ND	0.96

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	70-132
Bromofluorobenzene (FID)	106	66-138

Field ID: SS-31(B)-20.5 Batch#: 127451
Type: SAMPLE Analyzed: 07/21/07
Lab ID: 196103-010

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	70-132
Bromofluorobenzene (FID)	105	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID: SS-31(B)-25.5 Batch#: 127451
Type: SAMPLE Analyzed: 07/21/07
Lab ID: 196103-011

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	70-132
Bromofluorobenzene (FID)	105	66-138

Field ID: SS-31(B)-30.5 Batch#: 127518
Type: SAMPLE Analyzed: 07/23/07
Lab ID: 196103-012

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	70-132
Bromofluorobenzene (FID)	107	66-138

Field ID: SS-31(B)-40 Batch#: 127518
Type: SAMPLE Analyzed: 07/23/07
Lab ID: 196103-013

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	70-132
Bromofluorobenzene (FID)	118	66-138

Field ID: SS-31(B)-50 Batch#: 127518
Type: SAMPLE Analyzed: 07/23/07
Lab ID: 196103-014

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	70-132
Bromofluorobenzene (FID)	118	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID:	SS-31(B)-60.5	Batch#:	127518
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-015		

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	100	70-132
Bromofluorobenzene (FID)	100	66-138

Type:	BLANK	Batch#:	127451
Lab ID:	QC397138	Analyzed:	07/20/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	70-132
Bromofluorobenzene (FID)	103	66-138

Type:	BLANK	Batch#:	127518
Lab ID:	QC397460	Analyzed:	07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	70-132
Bromofluorobenzene (FID)	93	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC397139	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127451
Units:	mg/Kg	Analyzed:	07/20/07

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.59	106	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	70-132
Bromofluorobenzene (FID)	109	66-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	196079-001	Batch#:	127451
Matrix:	Soil	Sampled:	07/19/07
Units:	mg/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/20/07

Type: MS Lab ID: QC397140

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.07274	9.709	10.33	106	36-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	70-132
Bromofluorobenzene (FID)	107	66-138

Type: MSD Lab ID: QC397141

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.901	9.626	97	36-120	9	29

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	70-132
Bromofluorobenzene (FID)	105	66-138

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC397462	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127518
Units:	mg/Kg	Analyzed:	07/23/07

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.582	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	70-132
Bromofluorobenzene (FID)	130	66-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	196124-006	Batch#:	127518
Matrix:	Soil	Sampled:	07/20/07
Units:	mg/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Type: MS Lab ID: QC397463

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.02811	2.000	1.469	72	36-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	70-132
Bromofluorobenzene (FID)	98	66-138

Type: MSD Lab ID: QC397464

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2.075	1.488	70	36-120	2	29

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	70-132
Bromofluorobenzene (FID)	100	66-138

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	SS-31(A)-GGW	Batch#:	127482
Matrix:	Water	Sampled:	07/19/07
Units:	ug/L	Received:	07/20/07
Diln Fac:	1.000	Prepared:	07/21/07

Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-006	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	114	61-134

Type:	BLANK	Analyzed:	07/22/07
Lab ID:	QC397291	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	105	61-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397292	Batch#:	127482
Matrix:	Water	Prepared:	07/21/07
Units:	ug/L	Analyzed:	07/22/07

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,192	88	58-130

Surrogate	%REC	Limits
Hexacosane	98	61-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127482
MSS Lab ID:	196040-002	Sampled:	07/17/07
Matrix:	Water	Received:	07/17/07
Units:	ug/L	Prepared:	07/21/07
Diln Fac:	1.000	Analyzed:	07/23/07

Type: MS Lab ID: QC397293

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<15.44	2,500	2,261	90	57-134

Surrogate	%REC	Limits
Hexacosane	95	61-134

Type: MSD Lab ID: QC397294

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,318	93	57-134	3	32

Surrogate	%REC	Limits
Hexacosane	95	61-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID:	SS-31(A)-40.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-001	Cleanup Method:	EPA 3630C
Batch#:	127476		

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

Surrogate	%REC	Limits
Hexacosane	63	40-127

Field ID:	SS-31(A)-50.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-002	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	46	40-127

Field ID:	SS-31(A)-52.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-003	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	55	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID:	SS-31(A)-60.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-004	Cleanup Method:	EPA 3630C
Batch#:	127476		

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

Surrogate	%REC	Limits
Hexacosane	64	40-127

Field ID:	SS-31(B)-5.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-007	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	2.6 H Y Z	0.99
Motor Oil C24-C36	11 H	5.0

Surrogate	%REC	Limits
Hexacosane	73	40-127

Field ID:	SS-31(B)-10.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-008	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	6.2 H Y Z	1.0
Motor Oil C24-C36	75 H L	5.0

Surrogate	%REC	Limits
Hexacosane	64	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID:	SS-31(B)-15.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-009	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	1.2 Y Z	0.99
Motor Oil C24-C36	6.3 H	5.0

Surrogate	%REC	Limits
Hexacosane	46	40-127

Field ID:	SS-31(B)-20.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-010	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	6.4 Y Z	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	61	40-127

Field ID:	SS-31(B)-25.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/24/07
Lab ID:	196103-011	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	27 Y Z	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	57	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID:	SS-31(B)-30.5	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/24/07
Lab ID:	196103-012	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	32 Y Z	1.0
Motor Oil C24-C36	5.4 H L Z	5.0

Surrogate	%REC	Limits
Hexacosane	51	40-127

Field ID:	SS-31(B)-40	Prepared:	07/20/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-013	Cleanup Method:	EPA 3630C
Batch#:	127476		

Analyte	Result	RL
Diesel C10-C24	21 Y Z	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	55	40-127

Field ID:	SS-31(B)-50	Prepared:	07/21/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-014	Cleanup Method:	EPA 3630C
Batch#:	127480		

Analyte	Result	RL
Diesel C10-C24	17 Y Z	1.0
Motor Oil C24-C36	160 Y Z	5.0

Surrogate	%REC	Limits
Hexacosane	70	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Dil'n Fac:	1.000
Units:	mg/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07

Field ID:	SS-31(B)-60.5	Prepared:	07/21/07
Type:	SAMPLE	Analyzed:	07/23/07
Lab ID:	196103-015	Cleanup Method:	EPA 3630C
Batch#:	127480		

Analyte	Result	RL
Diesel C10-C24	9.2 Y Z	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	83	40-127

Type:	BLANK	Prepared:	07/20/07
Lab ID:	QC397235	Analyzed:	07/23/07
Batch#:	127476	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	71	40-127

Type:	BLANK	Prepared:	07/21/07
Lab ID:	QC397284	Analyzed:	07/23/07
Batch#:	127480	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	110	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397236	Batch#:	127476
Matrix:	Soil	Prepared:	07/20/07
Units:	mg/Kg	Analyzed:	07/22/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.78	34.47	69	58-127

Surrogate	%REC	Limits
Hexacosane	65	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127476
MSS Lab ID:	196114-001	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	mg/Kg	Prepared:	07/20/07
Basis:	as received	Analyzed:	07/22/07
Diln Fac:	1.000		

Type: MS Lab ID: QC397237

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	1.793	50.06	48.41	93	29-147

Surrogate	%REC	Limits
Hexacosane	64	40-127

Type: MSD Lab ID: QC397238

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.09	36.79	70	29-147	27	46

Surrogate	%REC	Limits
Hexacosane	69	40-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397285	Batch#:	127480
Matrix:	Soil	Prepared:	07/21/07
Units:	mg/Kg	Analyzed:	07/23/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.86	55.39	111	58-127

Surrogate	%REC	Limits
Hexacosane	110	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127480
MSS Lab ID:	196130-001	Sampled:	07/19/07
Matrix:	Soil	Received:	07/20/07
Units:	mg/Kg	Prepared:	07/21/07
Basis:	as received	Analyzed:	07/23/07
Diln Fac:	1.000		

Type: MS Lab ID: QC397286

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	6.329	49.91	54.94	97	29-147

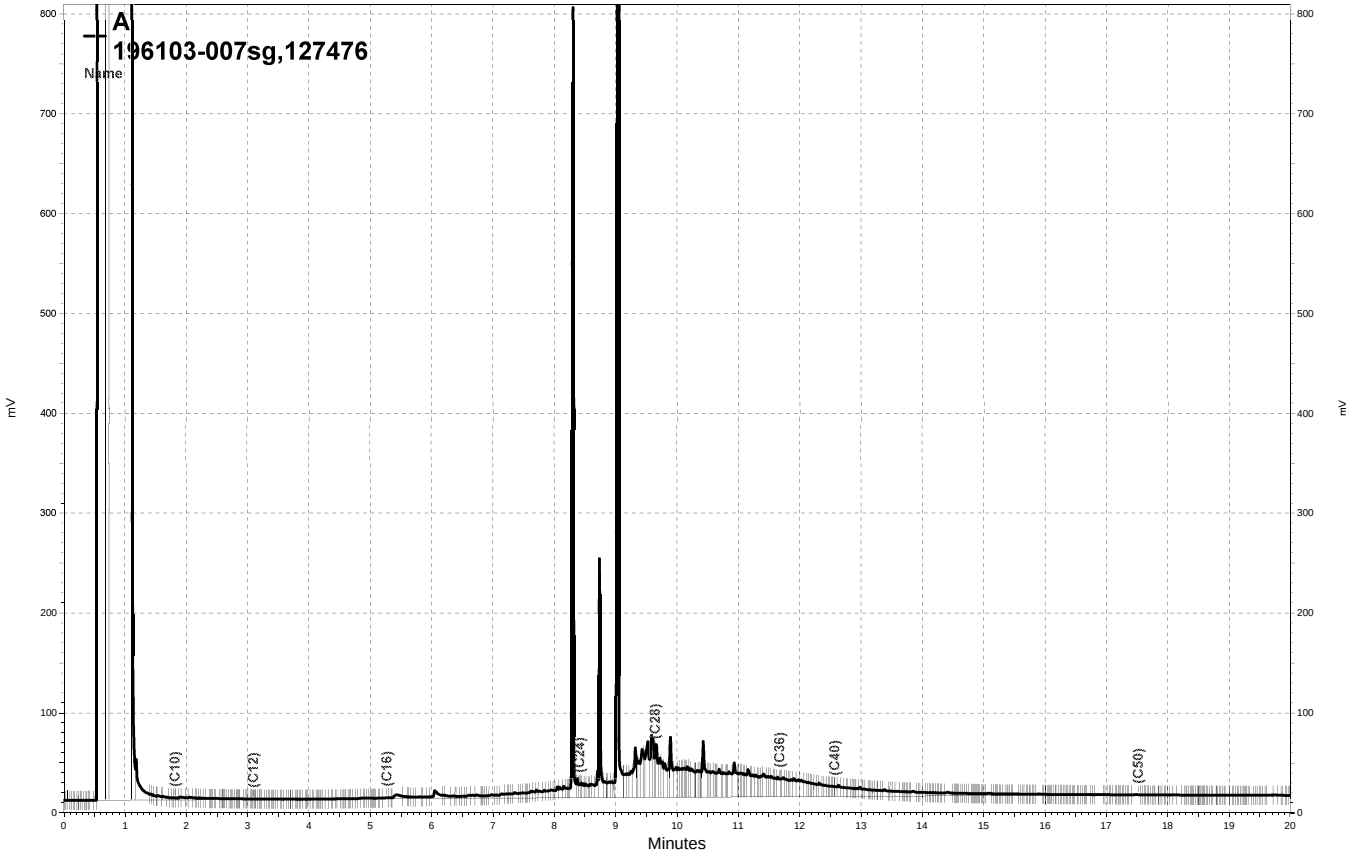
Surrogate	%REC	Limits
Hexacosane	101	40-127

Type: MSD Lab ID: QC397287

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.54	61.27	111	29-147	12	46

Surrogate	%REC	Limits
Hexacosane	112	40-127

RPD= Relative Percent Difference



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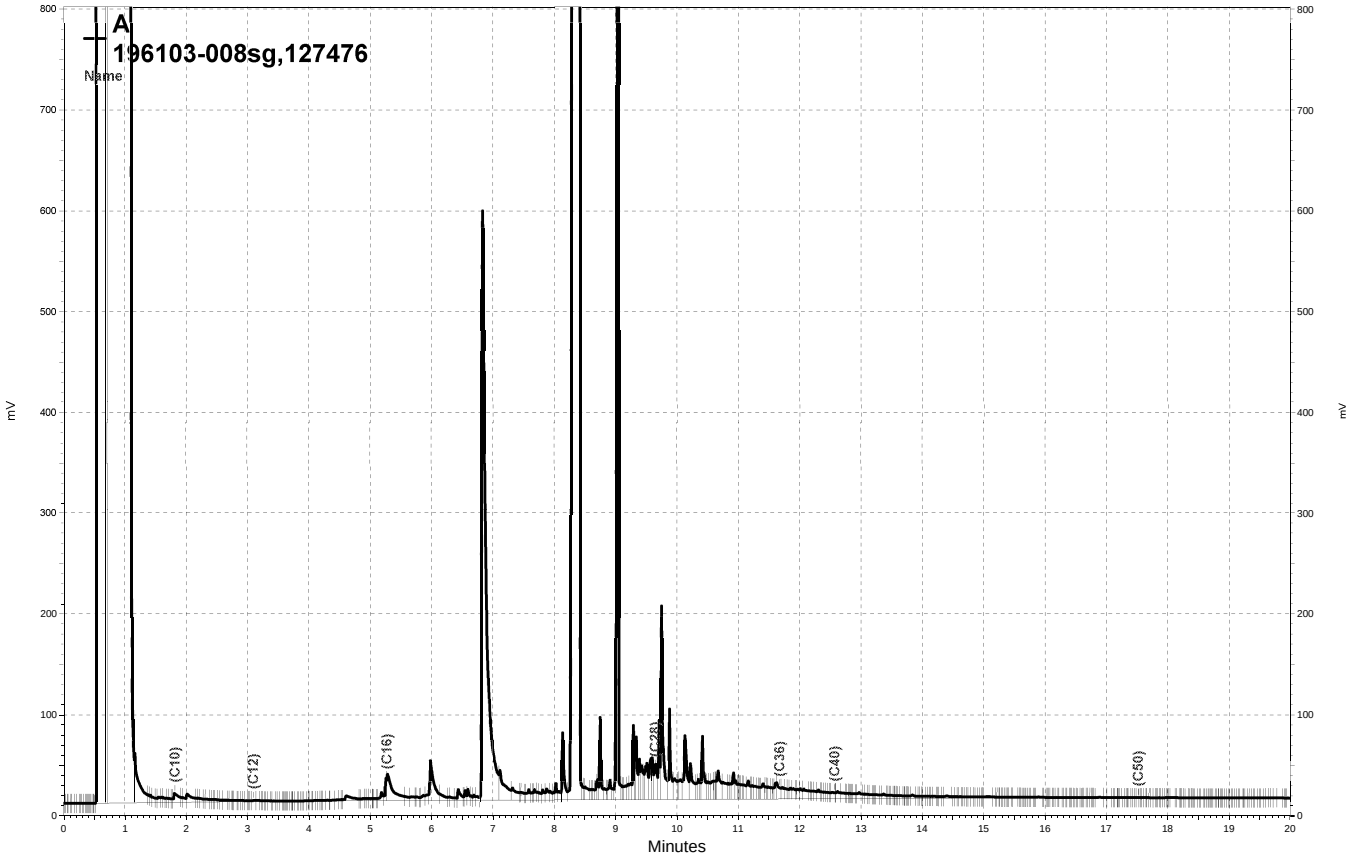

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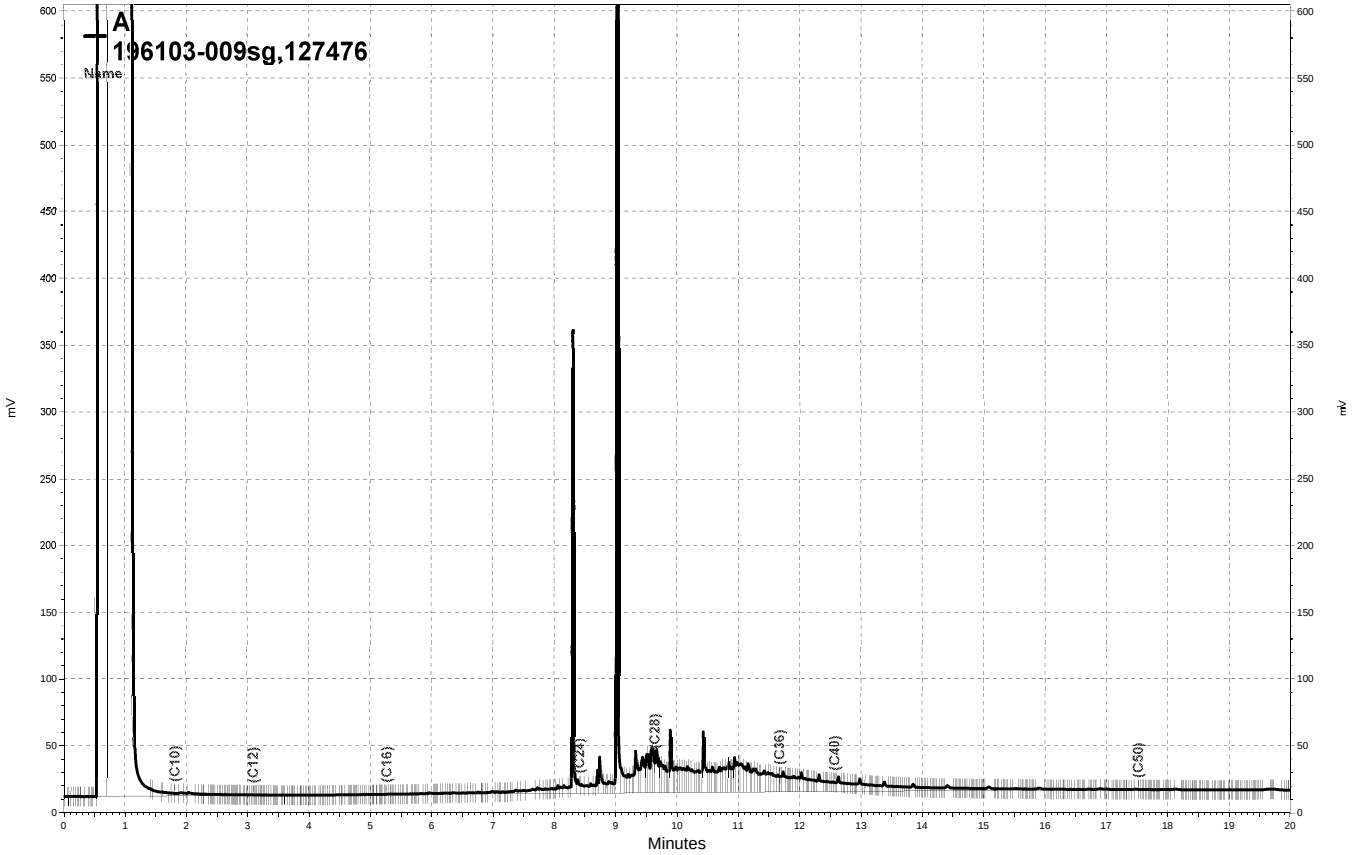

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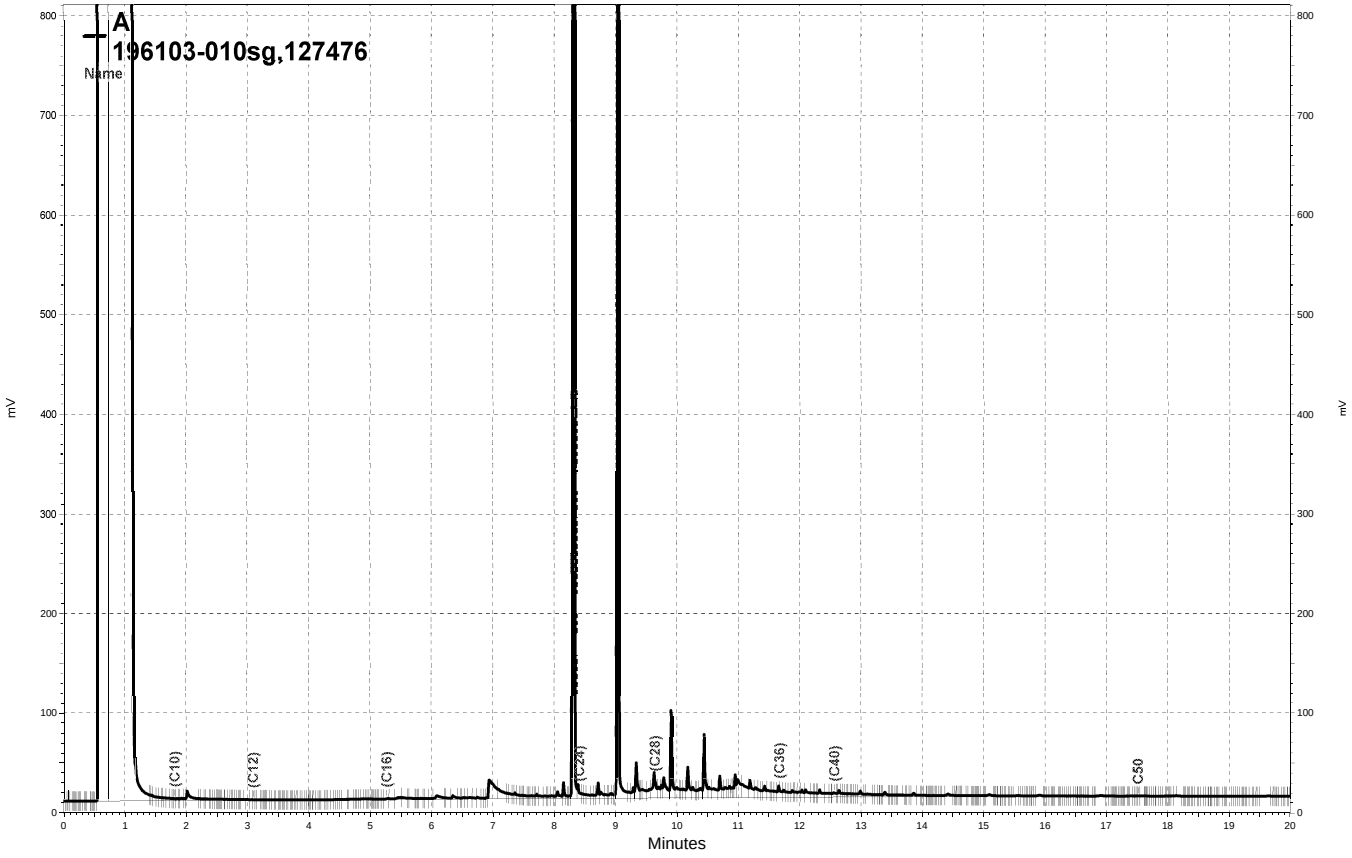

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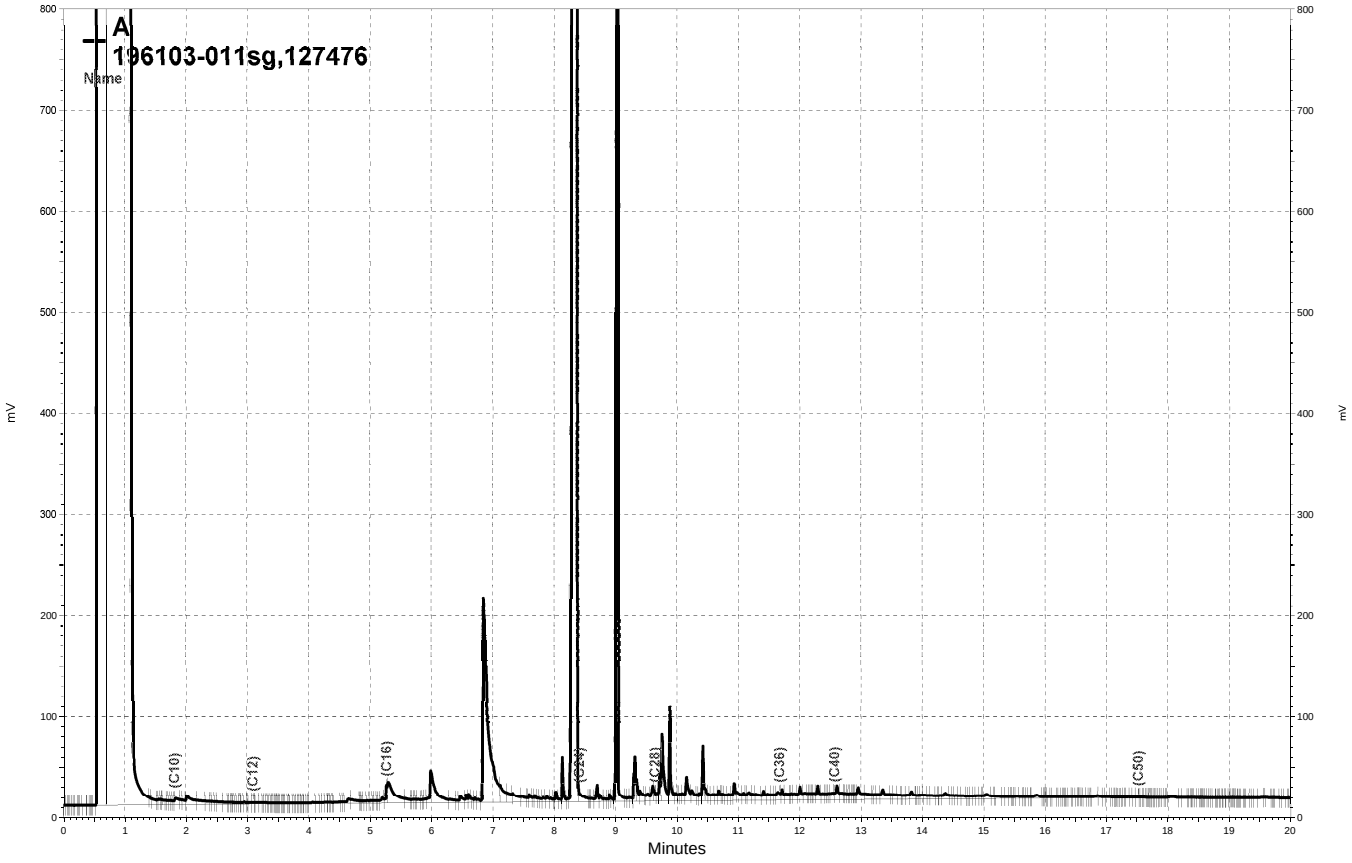

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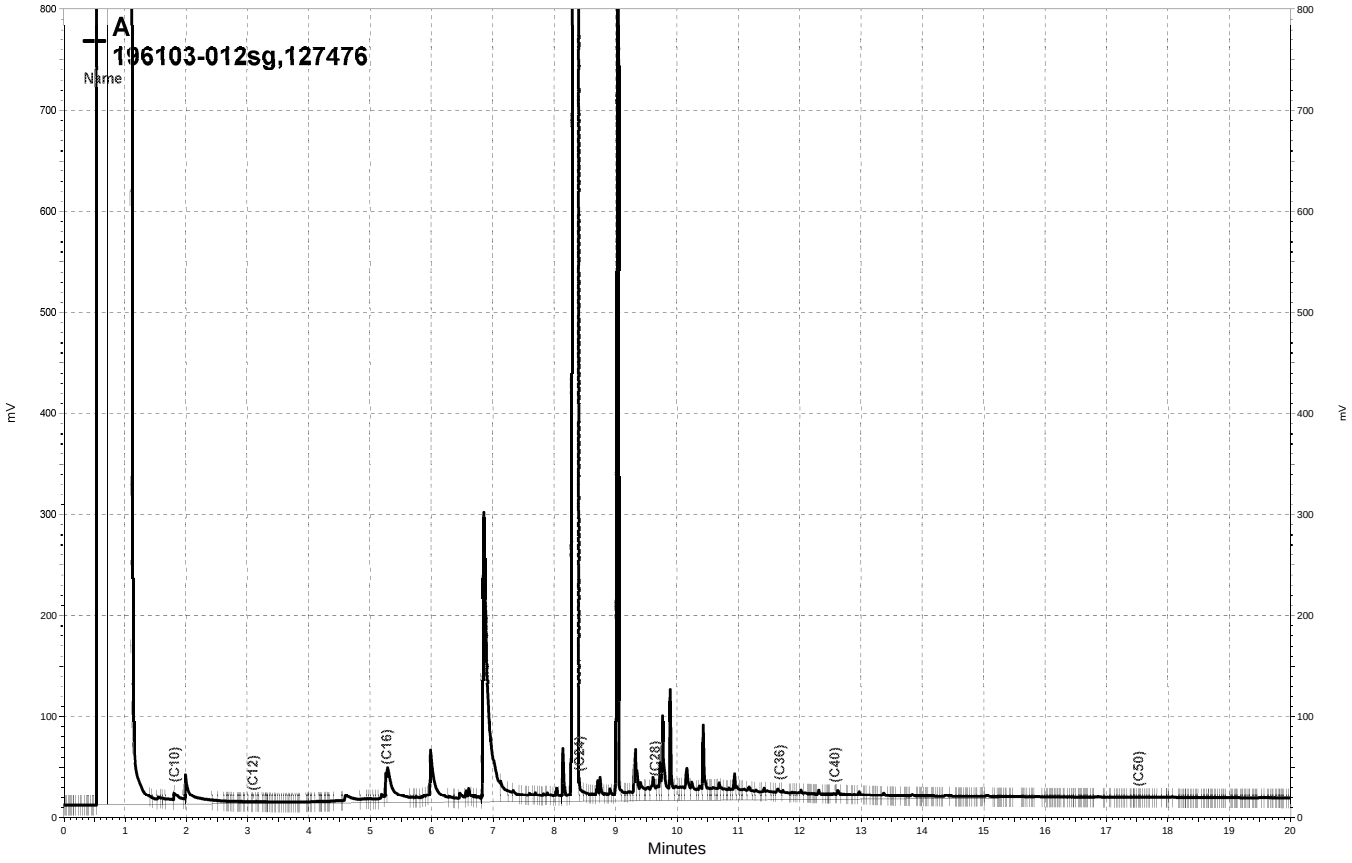

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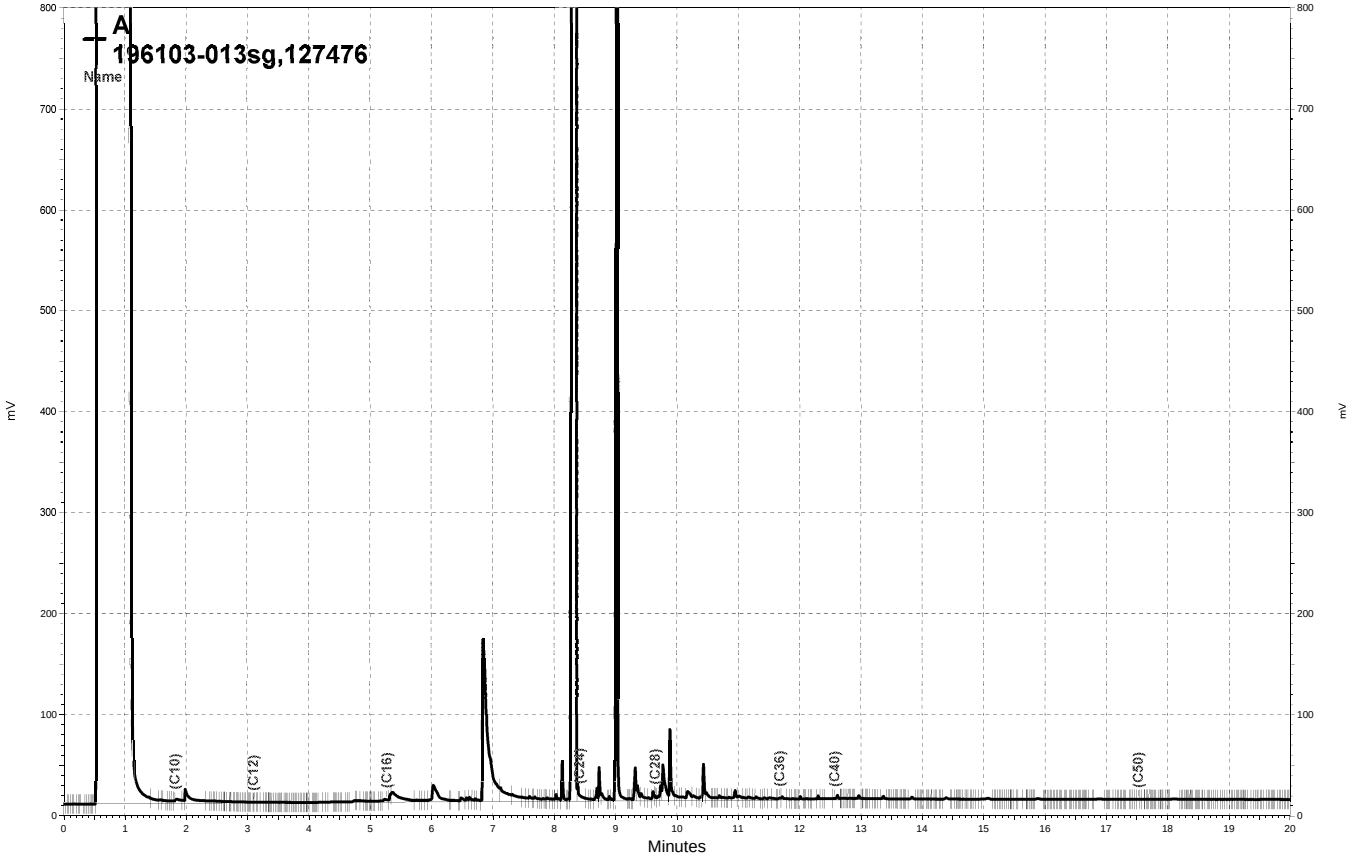

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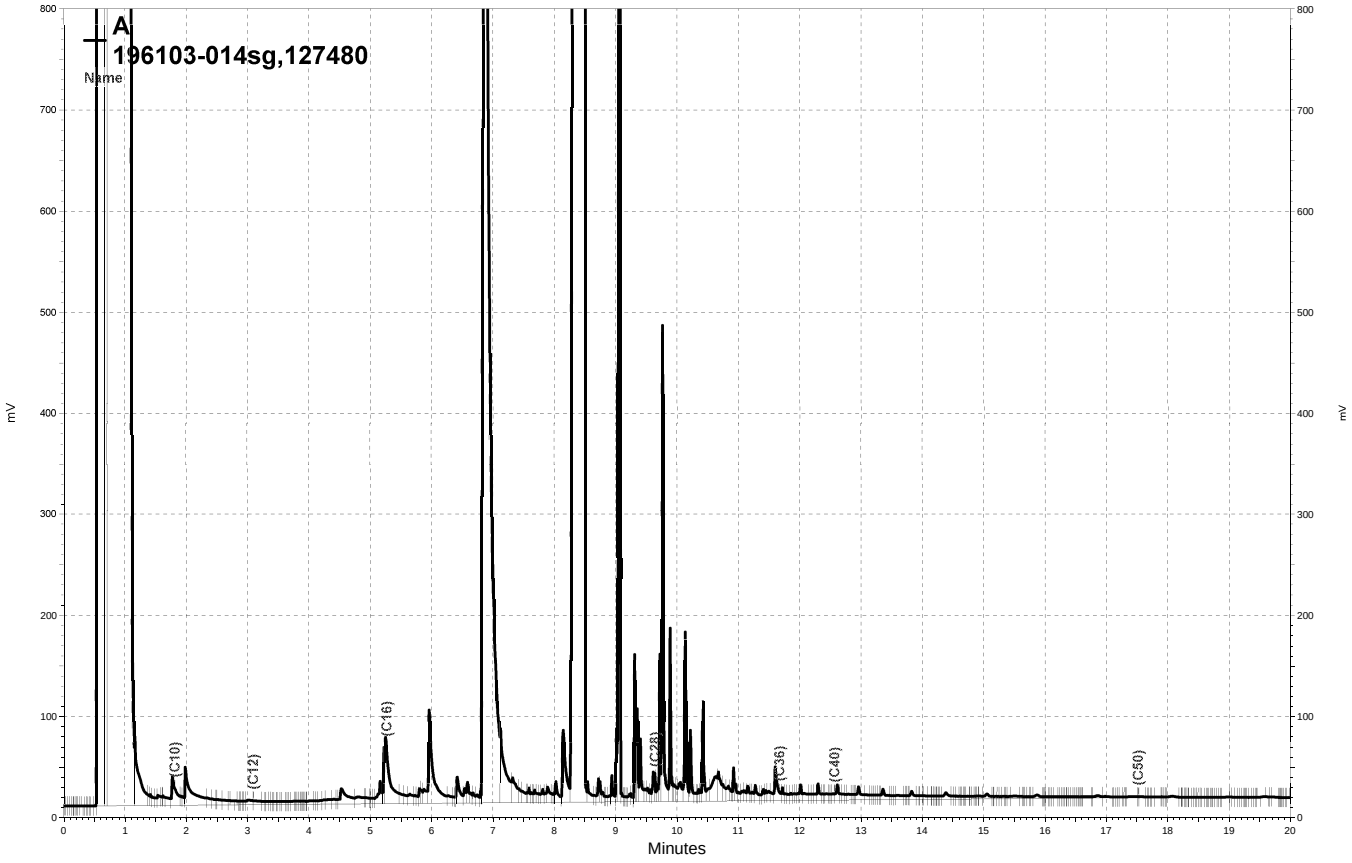

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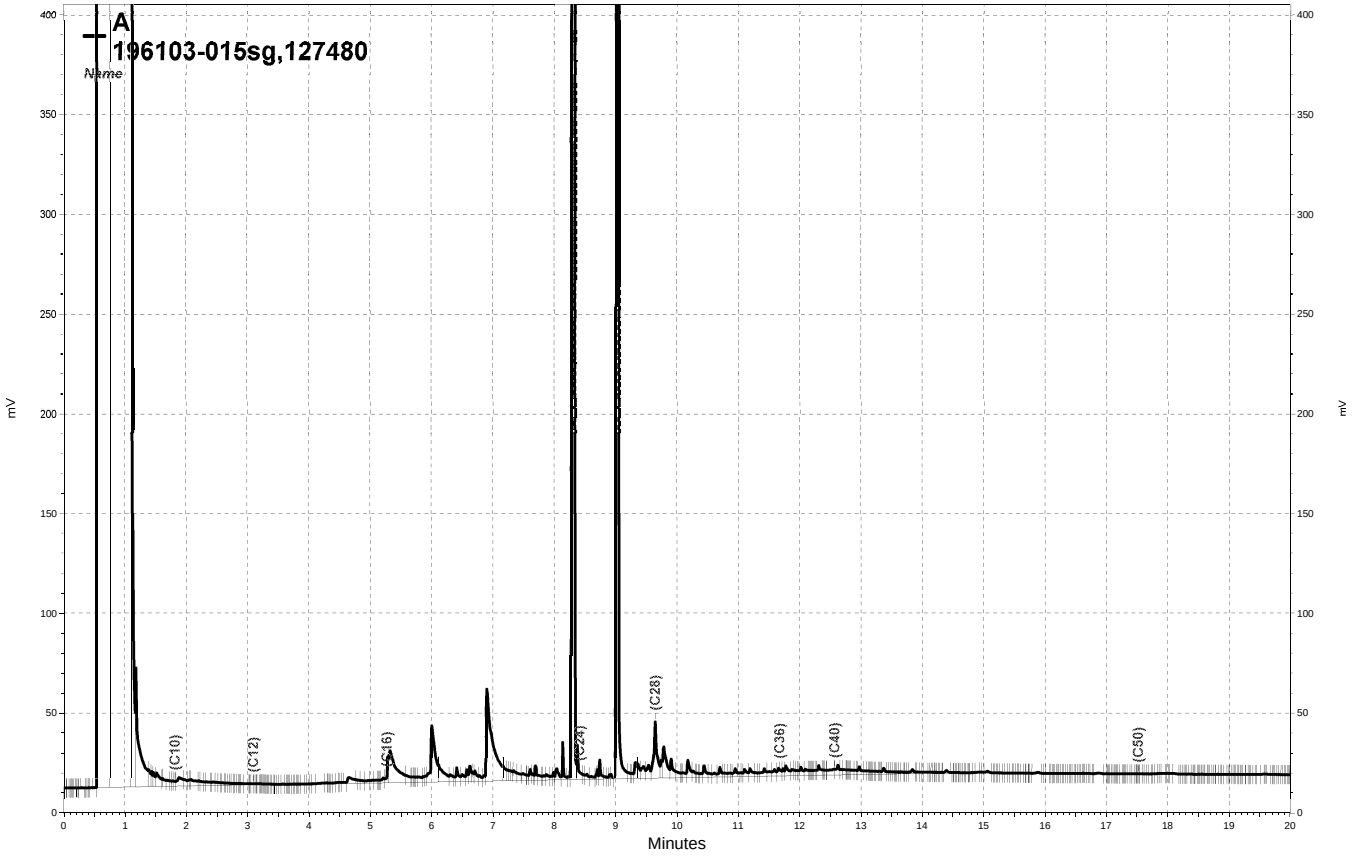

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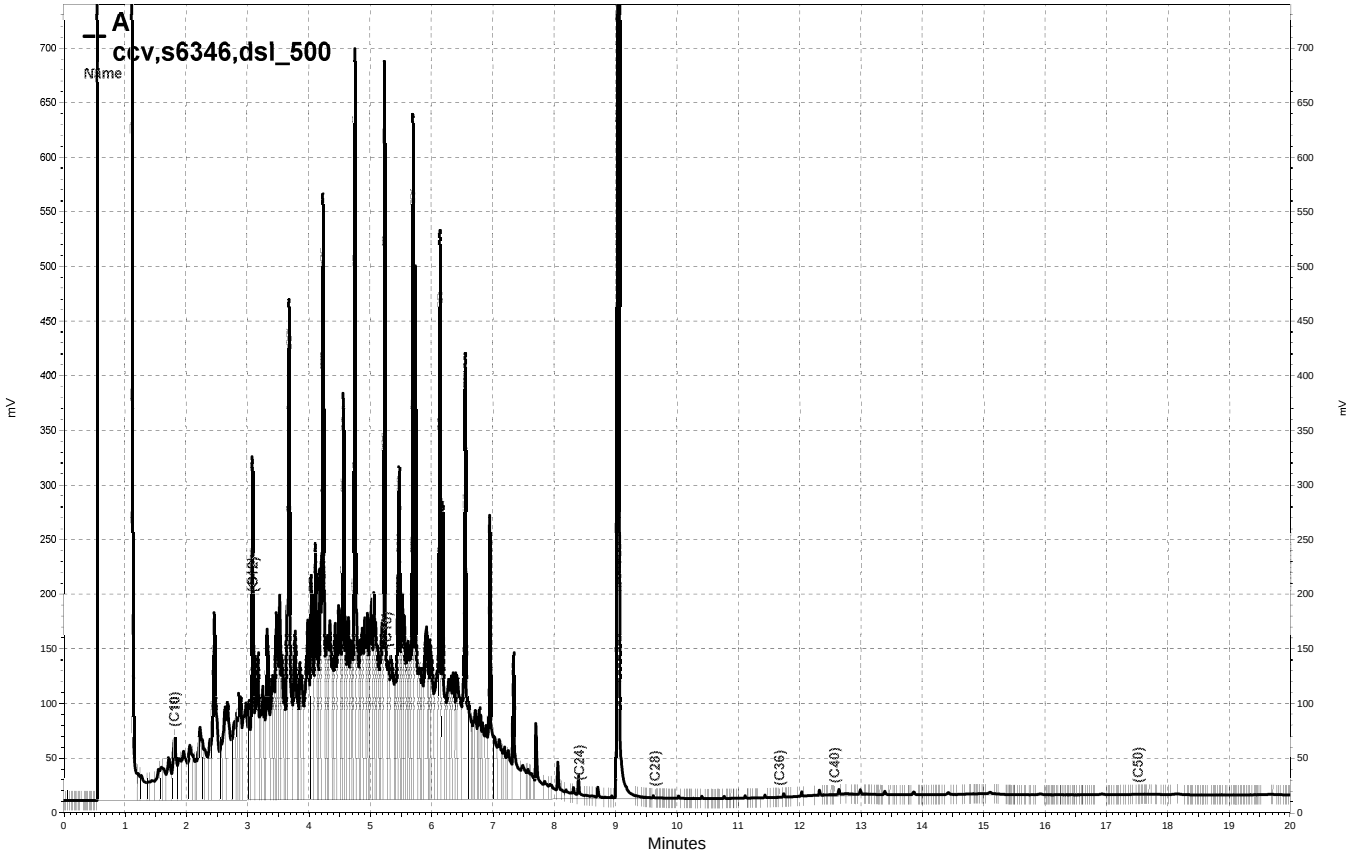

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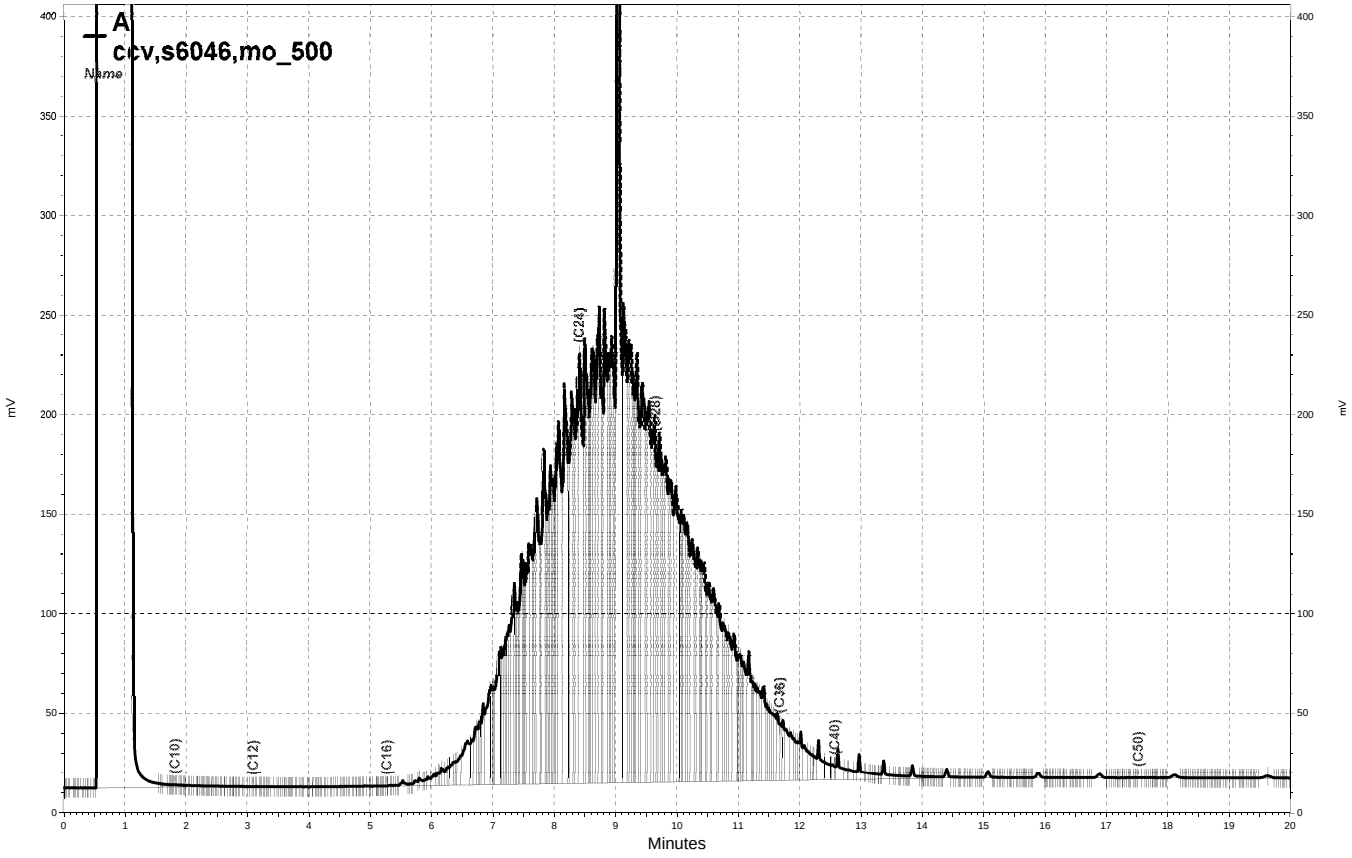

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Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-GGW	Batch#:	127450
Lab ID:	196103-006	Sampled:	07/19/07
Matrix:	Water	Received:	07/20/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-GGW	Batch#:	127450
Lab ID:	196103-006	Sampled:	07/19/07
Matrix:	Water	Received:	07/20/07
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127450
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397133

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	111.5	89	68-132
Isopropyl Ether (DIPE)	25.00	20.79	83	65-120
Ethyl tert-Butyl Ether (ETBE)	25.00	21.63	87	75-124
Methyl tert-Amyl Ether (TAME)	25.00	26.67	107	77-120
1,1-Dichloroethene	25.00	26.82	107	80-132
Benzene	25.00	26.46	106	80-120
Trichloroethene	25.00	27.39	110	80-120
Toluene	25.00	26.80	107	80-120
Chlorobenzene	25.00	27.51	110	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-123
1,2-Dichloroethane-d4	98	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC397134

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	105.8	85	68-132	5	20
Isopropyl Ether (DIPE)	25.00	18.51	74	65-120	12	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.88	80	75-124	8	20
Methyl tert-Amyl Ether (TAME)	25.00	23.79	95	77-120	11	20
1,1-Dichloroethene	25.00	23.61	94	80-132	13	20
Benzene	25.00	23.45	94	80-120	12	20
Trichloroethene	25.00	24.81	99	80-120	10	20
Toluene	25.00	24.80	99	80-120	8	20
Chlorobenzene	25.00	24.32	97	80-120	12	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC397135	Batch#:	127450
Matrix:	Water	Analyzed:	07/20/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397135	Batch#:	127450
Matrix:	Water	Analyzed:	07/20/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127450
Units:	ug/L	Analyzed:	07/20/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397190

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	982.8	98	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	103	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC397191

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	957.8	96	70-130	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-123
1,2-Dichloroethane-d4	98	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-40.5	Diln Fac:	0.9615
Lab ID:	196103-001	Batch#:	127494
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	99	78-126
1,2-Dichloroethane-d4	103	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-50.5	Diln Fac:	0.9259
Lab ID:	196103-002	Batch#:	127494
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	93
MTBE	ND	4.6
Isopropyl Ether (DIPE)	ND	4.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Methyl tert-Amyl Ether (TAME)	ND	4.6
Toluene	ND	4.6
1,2-Dibromoethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	99	78-126
1,2-Dichloroethane-d4	106	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	99	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-52.5	Diln Fac:	0.9434
Lab ID:	196103-003	Batch#:	127494
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
Toluene	ND	4.7
1,2-Dibromoethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	105	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	99	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(A)-60.5	Diln Fac:	0.8929
Lab ID:	196103-004	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	92	78-126
1,2-Dichloroethane-d4	112	76-135
Toluene-d8	106	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-5.5	Diln Fac:	0.9434
Lab ID:	196103-007	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
Toluene	ND	4.7
1,2-Dibromoethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	98	78-126
1,2-Dichloroethane-d4	114	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	98	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-10.5	Diln Fac:	0.9615
Lab ID:	196103-008	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-126
1,2-Dichloroethane-d4	113	76-135
Toluene-d8	103	80-120
Bromofluorobenzene	99	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-15.5	Diln Fac:	0.9615
Lab ID:	196103-009	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	99	78-126
1,2-Dichloroethane-d4	112	76-135
Toluene-d8	104	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-20.5	Diln Fac:	0.9259
Lab ID:	196103-010	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	93
MTBE	ND	4.6
Isopropyl Ether (DIPE)	ND	4.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Methyl tert-Amyl Ether (TAME)	ND	4.6
Toluene	ND	4.6
1,2-Dibromoethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	116	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-25.5	Diln Fac:	0.9615
Lab ID:	196103-011	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	116	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-30.5	Diln Fac:	0.8929
Lab ID:	196103-012	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	117	76-135
Toluene-d8	103	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-40	Diln Fac:	0.8929
Lab ID:	196103-013	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-126
1,2-Dichloroethane-d4	116	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-50	Diln Fac:	0.8929
Lab ID:	196103-014	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	118	76-135
Toluene-d8	103	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-60.5	Diln Fac:	0.9804
Lab ID:	196103-015	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	103	78-126
1,2-Dichloroethane-d4	115	76-135
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC397378	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	125.2	100	56-130
MTBE	25.00	23.94	96	66-120
Isopropyl Ether (DIPE)	25.00	22.73	91	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	21.67	87	68-120
1,2-Dichloroethane	25.00	25.72	103	73-120
Benzene	25.00	25.43	102	80-120
Methyl tert-Amyl Ether (TAME)	25.00	25.40	102	73-120
Toluene	25.00	25.49	102	80-120
1,2-Dibromoethane	25.00	25.09	100	80-120
Ethylbenzene	25.00	26.99	108	80-125
m,p-Xylenes	50.00	52.22	104	80-123
o-Xylene	25.00	26.38	106	80-122

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	106	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC397379	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-126
1,2-Dichloroethane-d4	107	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC397380	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-126
1,2-Dichloroethane-d4	93	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	93	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Dil'n Fac:	0.9804
MSS Lab ID:	196096-011	Batch#:	127494
Matrix:	Soil	Sampled:	07/17/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/23/07

Type: MS Lab ID: QC397381

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<3.013	245.1	162.3	66	45-123
MTBE	1.011	49.02	41.34	82	55-120
Isopropyl Ether (DIPE)	<0.1696	49.02	41.09	84	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.08887	49.02	39.85	81	58-120
1,2-Dichloroethane	<0.1943	49.02	42.15	86	56-120
Benzene	0.2064	49.02	47.19	96	61-122
Methyl tert-Amyl Ether (TAME)	<0.1769	49.02	43.93	90	60-120
Toluene	<0.5418	49.02	44.85	92	57-124
1,2-Dibromoethane	<0.2179	49.02	39.30	80	57-120
Ethylbenzene	<0.5715	49.02	42.87	87	55-129
m,p-Xylenes	<1.282	98.04	81.15	83	53-127
o-Xylene	<0.5054	49.02	41.21	84	54-127

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-126
1,2-Dichloroethane-d4	92	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-126

Type: MSD Lab ID: QC397382

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.1	140.9	57	45-123	14	32
MTBE	49.02	38.58	77	55-120	7	20
Isopropyl Ether (DIPE)	49.02	40.43	82	50-120	2	20
Ethyl tert-Butyl Ether (ETBE)	49.02	39.10	80	58-120	2	20
1,2-Dichloroethane	49.02	37.01	76	56-120	13	20
Benzene	49.02	46.77	95	61-122	1	20
Methyl tert-Amyl Ether (TAME)	49.02	44.24	90	60-120	1	20
Toluene	49.02	46.95	96	57-124	5	21
1,2-Dibromoethane	49.02	36.61	75	57-120	7	20
Ethylbenzene	49.02	47.19	96	55-129	10	23
m,p-Xylenes	98.04	92.06	94	53-127	13	23
o-Xylene	49.02	45.41	93	54-127	10	22

Surrogate	%REC	Limits
Dibromofluoromethane	92	78-126
1,2-Dichloroethane-d4	81	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC397429	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127505
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	154.9	124	56-130
MTBE	25.00	23.13	93	66-120
Isopropyl Ether (DIPE)	25.00	23.44	94	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	22.98	92	68-120
1,2-Dichloroethane	25.00	24.45	98	73-120
Benzene	25.00	26.28	105	80-120
Methyl tert-Amyl Ether (TAME)	25.00	26.60	106	73-120
Toluene	25.00	27.19	109	80-120
1,2-Dibromoethane	25.00	27.23	109	80-120
Ethylbenzene	25.00	26.85	107	80-125
m,p-Xylenes	50.00	51.96	104	80-123
o-Xylene	25.00	26.54	106	80-122

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-126
1,2-Dichloroethane-d4	100	76-135
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC397430	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127505
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-126
1,2-Dichloroethane-d4	103	76-135
Toluene-d8	103	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196103	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-60.5	Dil'n Fac:	0.9804
MSS Lab ID:	196103-015	Batch#:	127505
Matrix:	Soil	Sampled:	07/19/07
Units:	ug/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Type: MS Lab ID: QC397495

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<7.258	245.1	255.2	104	45-123
MTBE	<0.5953	49.02	42.00	86	55-120
Isopropyl Ether (DIPE)	<0.5554	49.02	45.63	93	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.6013	49.02	42.38	86	58-120
1,2-Dichloroethane	<0.8152	49.02	45.75	93	56-120
Benzene	<0.6947	49.02	46.34	95	61-122
Methyl tert-Amyl Ether (TAME)	<0.6889	49.02	48.02	98	60-120
Toluene	<0.5124	49.02	47.14	96	57-124
1,2-Dibromoethane	<0.6878	49.02	46.43	95	57-120
Ethylbenzene	<0.6598	49.02	43.25	88	55-129
m,p-Xylenes	<1.205	98.04	82.61	84	53-127
o-Xylene	<0.5031	49.02	43.24	88	54-127

Surrogate	%REC	Limits
Dibromofluoromethane	107	78-126
1,2-Dichloroethane-d4	112	76-135
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-126

Type: MSD Lab ID: QC397496

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.1	225.6	92	45-123	12	32
MTBE	49.02	39.01	80	55-120	7	20
Isopropyl Ether (DIPE)	49.02	42.29	86	50-120	8	20
Ethyl tert-Butyl Ether (ETBE)	49.02	39.72	81	58-120	6	20
1,2-Dichloroethane	49.02	41.13	84	56-120	11	20
Benzene	49.02	43.39	89	61-122	7	20
Methyl tert-Amyl Ether (TAME)	49.02	44.84	91	60-120	7	20
Toluene	49.02	44.18	90	57-124	6	21
1,2-Dibromoethane	49.02	42.57	87	57-120	9	20
Ethylbenzene	49.02	41.55	85	55-129	4	23
m,p-Xylenes	98.04	79.66	81	53-127	4	23
o-Xylene	49.02	41.95	86	54-127	3	22

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	105	76-135
Toluene-d8	103	80-120
Bromofluorobenzene	99	80-126

RPD= Relative Percent Difference

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

Laboratory Job Number 196141

LFR Levine Fricke	Project : 001-09567-01
1900 Powell Street	Location : Hanson Radum
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
SS-31(B)-5.5	196141-001
SS-31(B)-10.5	196141-002

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.

Signature: _____ Date: 07/31/2007
Project Manager

Signature: _____ Date: 07/31/2007
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196141**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/23/07**
Samples Received:	**07/20/07**

This hardcopy data package contains sample and QC results for two soil samples, requested for the above referenced project on 07/23/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/26/07.

Semivolatile Organics by GC/MS (EPA 8270C):
Matrix spikes were not reported for this analysis because the parent sample needed to be re-extracted. SS-31(B)-10.5 (lab # 196141-002) was diluted due to the viscous nature of the sample extract. No other analytical problems were encountered.

Pesticides (EPA 8081A):
No analytical problems were encountered.

Polychlorinated Biphenyls (PCBs) (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(B)-5.5	Batch#:	127543
Lab ID:	196141-001	Sampled:	07/19/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(B)-5.5	Batch#:	127543
Lab ID:	196141-001	Sampled:	07/19/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	76	28-120
Phenol-d5	78	30-120
2,4,6-Tribromophenol	96	20-120
Nitrobenzene-d5	72	39-120
2-Fluorobiphenyl	76	44-120
Terphenyl-d14	80	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(B)-10.5	Batch#:	127543
Lab ID:	196141-002	Sampled:	07/19/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	50.00		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	16,000
Phenol	ND	16,000
bis(2-Chloroethyl)ether	ND	16,000
2-Chlorophenol	ND	16,000
1,3-Dichlorobenzene	ND	16,000
1,4-Dichlorobenzene	ND	16,000
Benzyl alcohol	ND	16,000
1,2-Dichlorobenzene	ND	16,000
2-Methylphenol	ND	16,000
bis(2-Chloroisopropyl) ether	ND	16,000
4-Methylphenol	ND	16,000
N-Nitroso-di-n-propylamine	ND	16,000
Hexachloroethane	ND	16,000
Nitrobenzene	ND	16,000
Isophorone	ND	16,000
2-Nitrophenol	ND	33,000
2,4-Dimethylphenol	ND	16,000
Benzoic acid	ND	82,000
bis(2-Chloroethoxy)methane	ND	16,000
2,4-Dichlorophenol	ND	16,000
1,2,4-Trichlorobenzene	ND	16,000
Naphthalene	ND	3,300
4-Chloroaniline	ND	16,000
Hexachlorobutadiene	ND	16,000
4-Chloro-3-methylphenol	ND	16,000
2-Methylnaphthalene	ND	3,300
Hexachlorocyclopentadiene	ND	33,000
2,4,6-Trichlorophenol	ND	16,000
2,4,5-Trichlorophenol	ND	16,000
2-Chloronaphthalene	ND	16,000
2-Nitroaniline	ND	33,000
Dimethylphthalate	ND	16,000
Acenaphthylene	ND	3,300
2,6-Dinitrotoluene	ND	16,000
3-Nitroaniline	ND	33,000
Acenaphthene	ND	3,300
2,4-Dinitrophenol	ND	33,000
4-Nitrophenol	ND	33,000
Dibenzofuran	ND	16,000
2,4-Dinitrotoluene	ND	16,000
Diethylphthalate	ND	16,000
Fluorene	ND	3,300
4-Chlorophenyl-phenylether	ND	16,000
4-Nitroaniline	ND	33,000
4,6-Dinitro-2-methylphenol	ND	33,000
N-Nitrosodiphenylamine	ND	16,000
Azobenzene	ND	16,000
4-Bromophenyl-phenylether	ND	16,000
Hexachlorobenzene	ND	16,000
Pentachlorophenol	ND	33,000
Phenanthrene	ND	3,300
Anthracene	ND	3,300

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

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(B)-10.5	Batch#:	127543
Lab ID:	196141-002	Sampled:	07/19/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	50.00		

Analyte	Result	RL
Di-n-butylphthalate	ND	16,000
Fluoranthene	ND	3,300
Pyrene	ND	3,300
Butylbenzylphthalate	ND	16,000
3,3'-Dichlorobenzidine	ND	33,000
Benzo(a)anthracene	ND	3,300
Chrysene	ND	3,300
bis(2-Ethylhexyl)phthalate	ND	16,000
Di-n-octylphthalate	ND	16,000
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
2-Fluorophenol	DO	28-120
Phenol-d5	DO	30-120
2,4,6-Tribromophenol	DO	20-120
Nitrobenzene-d5	DO	39-120
2-Fluorobiphenyl	DO	44-120
Terphenyl-d14	DO	39-120

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

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC397616	Batch#:	127543
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/24/07
Basis:	as received		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397616	Batch#:	127543
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/24/07
Basis:	as received		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	70	28-120
Phenol-d5	69	30-120
2,4,6-Tribromophenol	88	20-120
Nitrobenzene-d5	69	39-120
2-Fluorobiphenyl	78	44-120
Terphenyl-d14	73	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397617	Batch#:	127543
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/24/07
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Phenol	2,655	1,849	70	40-120
2-Chlorophenol	2,655	1,833	69	40-120
1,4-Dichlorobenzene	1,328	1,047	79	45-120
N-Nitroso-di-n-propylamine	1,328	824.0	62	34-120
1,2,4-Trichlorobenzene	1,328	1,094	82	45-120
4-Chloro-3-methylphenol	2,655	2,184	82	45-120
Acenaphthene	1,328	1,020	77	42-120
4-Nitrophenol	2,655	1,856	70	31-120
2,4-Dinitrotoluene	1,328	1,196	90	41-120
Pentachlorophenol	2,655	2,245	85	21-120
Pyrene	1,328	1,094	82	41-120

Surrogate	%REC	Limits
2-Fluorophenol	66	28-120
Phenol-d5	68	30-120
2,4,6-Tribromophenol	102	20-120
Nitrobenzene-d5	68	39-120
2-Fluorobiphenyl	75	44-120
Terphenyl-d14	76	39-120

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	SS-31(B)-5.5	Batch#:	127544
Lab ID:	196141-001	Sampled:	07/19/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	97	50-120
Decachlorobiphenyl	93	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	SS-31(B)-10.5	Batch#:	127544
Lab ID:	196141-002	Sampled:	07/19/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	97	50-120
Decachlorobiphenyl	104	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397620	Batch#:	127544
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/25/07
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	59

Surrogate	%REC	Limits
TCMX	106	50-120
Decachlorobiphenyl	88	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	ZZZZZZZZZZ	Batch#:	127544
MSS Lab ID:	196123-001	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/31/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC397624

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.3348	13.35	13.03	98	45-120
Heptachlor	<0.4037	13.35	13.76	103	50-124
Aldrin	<0.2824	13.35	12.72 #	95	47-122
Dieldrin	<0.7589	26.70	26.48	99	47-122
Endrin	<1.077	26.70	27.03 #	101	46-127
4,4'-DDT	<0.7880	26.70	24.63	92	27-136

Surrogate	%REC	Limits
TCMX	110	50-120
Decachlorobiphenyl	116	54-133

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC397625

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.29	13.27	100	45-120	2	39
Heptachlor	13.29	14.11	106	50-124	3	37
Aldrin	13.29	12.40 #	93	47-122	2	35
Dieldrin	26.59	26.61	100	47-122	1	34
Endrin	26.59	27.36 #	103	46-127	2	37
4,4'-DDT	26.59	25.73	97	27-136	5	49

Surrogate	%REC	Limits
TCMX	115	50-120
Decachlorobiphenyl	120	54-133

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397626	Batch#:	127544
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/25/07
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.24	12.71	96	42-120
Heptachlor	13.24	14.08	106	44-130
Aldrin	13.24	12.26	93	47-120
Dieldrin	26.47	27.44	104	50-121
Endrin	26.47	27.39	103	39-130
4,4'-DDT	26.47	29.05	110	45-127

Surrogate	%REC	Limits
TCMX	100	50-120
Decachlorobiphenyl	85	54-133

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	127544
Units:	ug/Kg	Sampled:	07/19/07
Basis:	as received	Received:	07/20/07
Diln Fac:	1.000	Prepared:	07/24/07

Field ID: SS-31(B)-5.5 Lab ID: 196141-001
Type: SAMPLE Analyzed: 07/25/07

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	107	63-141
Decachlorobiphenyl	89	50-158

Field ID: SS-31(B)-10.5 Lab ID: 196141-002
Type: SAMPLE Analyzed: 07/25/07

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	124	63-141
Decachlorobiphenyl	117	50-158

Type: BLANK Analyzed: 07/24/07
Lab ID: QC397620

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	120	63-141
Decachlorobiphenyl	116	50-158

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397621	Batch#:	127544
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/24/07
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Aroclor-1232	166.2	185.4	112	68-138

Surrogate	%REC	Limits
TCMX	105	63-141
Decachlorobiphenyl	98	50-158

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	127544
MSS Lab ID:	196123-001	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: MS Lab ID: QC397622

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1232	<1.312	167.7	178.5	106	72-140

Surrogate	%REC	Limits
TCMX	106	63-141
Decachlorobiphenyl	84	50-158

Type: MSD Lab ID: QC397623

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1232	168.2	175.6	104	72-140	2	27

Surrogate	%REC	Limits
TCMX	101	63-141
Decachlorobiphenyl	78	50-158

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196141	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SS-31(B)-5.5	Basis:	as received
Lab ID:	196141-001	Diln Fac:	1.000
Matrix:	Soil	Sampled:	07/19/07
Units:	mg/Kg	Received:	07/20/07

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	1.6	0.50	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Arsenic	6.6	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Barium	180	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Beryllium	0.40	0.10	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Chromium	65	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Cobalt	16	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Copper	34	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Lead	11	0.15	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Mercury	0.072	0.020	127600	07/25/07	07/25/07	METHOD	EPA 7471A
Molybdenum	0.31	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Nickel	100	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Vanadium	34	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Zinc	63	1.0	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196141	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SS-31(B)-10.5	Basis:	as received
Lab ID:	196141-002	Diln Fac:	1.000
Matrix:	Soil	Sampled:	07/19/07
Units:	mg/Kg	Received:	07/20/07

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	1.8	0.50	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Arsenic	5.6	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Barium	150	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Beryllium	0.37	0.10	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Chromium	59	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Cobalt	12	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Copper	28	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Lead	8.2	0.15	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Mercury	0.052	0.020	127600	07/25/07	07/25/07	METHOD	EPA 7471A
Molybdenum	ND	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Nickel	90	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Vanadium	32	0.25	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B
Zinc	53	1.0	127538	07/23/07	07/24/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397594	Batch#:	127538
Matrix:	Soil	Prepared:	07/23/07
Units:	mg/Kg	Analyzed:	07/24/07
Basis:	as received		

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.25
Lead	ND	0.15
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 #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	127538
Units:	mg/Kg	Prepared:	07/23/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397595

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	96.62	97	80-120
Arsenic	50.00	48.33	97	80-120
Barium	100.0	96.91	97	80-120
Beryllium	2.500	2.475	99	80-120
Cadmium	10.00	9.911	99	80-120
Chromium	100.0	96.08	96	80-120
Cobalt	25.00	23.42	94	80-120
Copper	12.50	12.02	96	80-120
Lead	100.0	95.52	96	80-120
Molybdenum	20.00	20.59	103	80-120
Nickel	25.00	23.60	94	80-120
Selenium	50.00	48.48	97	80-120
Silver	10.00	9.566	96	80-120
Thallium	50.00	48.08	96	80-120
Vanadium	25.00	24.11	96	80-120
Zinc	25.00	24.39	98	80-120

Type: BSD Lab ID: QC397596

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	97.28	97	80-120	1	20
Arsenic	50.00	48.64	97	80-120	1	20
Barium	100.0	97.30	97	80-120	0	20
Beryllium	2.500	2.490	100	80-120	1	20
Cadmium	10.00	9.879	99	80-120	0	20
Chromium	100.0	96.36	96	80-120	0	20
Cobalt	25.00	23.60	94	80-120	1	20
Copper	12.50	12.42	99	80-120	3	20
Lead	100.0	96.12	96	80-120	1	20
Molybdenum	20.00	20.50	102	80-120	0	20
Nickel	25.00	23.68	95	80-120	0	20
Selenium	50.00	49.11	98	80-120	1	20
Silver	10.00	9.464	95	80-120	1	20
Thallium	50.00	48.76	98	80-120	1	20
Vanadium	25.00	24.19	97	80-120	0	20
Zinc	25.00	24.45	98	80-120	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	127538
MSS Lab ID:	196071-003	Sampled:	07/17/07
Matrix:	Soil	Received:	07/19/07
Units:	mg/Kg	Prepared:	07/23/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: MS Lab ID: QC397597

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.9685	90.09	26.49	28	1-129
Arsenic	2.564	45.05	45.21	95	72-120
Barium	131.7	90.09	221.9	100	49-138
Beryllium	0.3335	2.252	2.450	94	80-120
Cadmium	2,333	9.009	1,526 >LR	-8959 NM	72-120
Chromium	1,604	90.09	1,687 >LR	92 NM	63-122
Cobalt	8.121	22.52	26.35	81	61-120
Copper	1,423	11.26	1,257 >LR	-1472 NM	59-137
Lead	20.15	90.09	94.42	82	55-122
Molybdenum	1.377	18.02	18.08	93	66-120
Nickel	30.05	22.52	46.93	75	45-139
Selenium	<0.07345	45.05	42.21	94	73-120
Silver	0.1510	9.009	9.039	99	53-120
Thallium	0.04788	45.05	37.27	83	64-120
Vanadium	41.10	22.52	64.28	103	55-139
Zinc	369.5	22.52	347.9	-96 NM	49-140

Type: MSD Lab ID: QC397598

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	96.15	27.27	27	1-129	4	23
Arsenic	48.08	46.11	91	72-120	4	20
Barium	96.15	224.4	96	49-138	2	23
Beryllium	2.404	2.529	91	80-120	3	20
Cadmium	9.615	1,664 >LR	-6957 NM	72-120	NC	20
Chromium	96.15	1,650 >LR	48 NM	63-122	NC	20
Cobalt	24.04	27.10	79	61-120	2	23
Copper	12.02	1,351 >LR	-599 NM	59-137	NC	20
Lead	96.15	98.95	82	55-122	1	26
Molybdenum	19.23	18.74	90	66-120	2	20
Nickel	24.04	48.88	78	45-139	1	26
Selenium	48.08	43.73	91	73-120	3	20
Silver	9.615	9.354	96	53-120	3	22
Thallium	48.08	39.07	81	64-120	2	20
Vanadium	24.04	65.96	103	55-139	0	20
Zinc	24.04	394.1	102 NM	49-140	12	23

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 #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397831	Batch#:	127600
Matrix:	Soil	Prepared:	07/25/07
Units:	mg/Kg	Analyzed:	07/25/07

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127600
Units:	mg/Kg	Prepared:	07/25/07
Basis:	as received	Analyzed:	07/25/07

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC397832	0.5000	0.4540	91	80-120		
BSD	QC397833	0.5000	0.4240	85	80-120	7	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196141	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	127600
MSS Lab ID:	196123-001	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	mg/Kg	Prepared:	07/25/07
Basis:	as received	Analyzed:	07/25/07

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC397835	0.08440	0.4808	0.5990	107	67-143		
MSD	QC397836		0.4717	0.4774	83	67-143	21	23

RPD= Relative Percent Difference

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

Laboratory Job Number 196134

LFR Levine Fricke	Project : 001-09567-01
1900 Powell Street	Location : Hanson Radum
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
SS-31(B)-GGW	196134-001
SS-31(C)-GGW	196134-002
SS-31(C)-5.5	196134-003
SS-31(C)-10.5	196134-004
SS-31(C)-15.5	196134-005
SS-31(C)-19.5	196134-006
SS-31(C)-25.5	196134-007
SS-31(C)-30	196134-008
SS-31(C)-40	196134-009
SS-31(C)-51	196134-010
SS-31(C)-60.5	196134-011
SS-31(C)-67.5	196134-012
SS-31(D)-5.5	196134-013
SS-31(D)-10.5	196134-014
SS-31(D)-15	196134-015
SS-31(D)-19.5	196134-016

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.

Signature: _____ Date: 07/31/2007
Project Manager

Signature: _____ Date: 07/31/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196134**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/23/07**
Samples Received:	**07/23/07**

This hardcopy data package contains sample and QC results for thirteen soil samples and two water samples, requested for the above referenced project on 07/23/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/27/07.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

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

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

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Pesticides (EPA 8081A):
No analytical problems were encountered.

Polychlorinated Biphenyls (PCBs) (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127519
Units:	mg/Kg	Sampled:	07/20/07
Basis:	as received	Received:	07/23/07
Diln Fac:	1.000		

Field ID: SS-31(C)-5.5 Lab ID: 196134-003
Type: SAMPLE Analyzed: 07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	70-132
Bromofluorobenzene (FID)	107	66-138

Field ID: SS-31(C)-10.5 Lab ID: 196134-004
Type: SAMPLE Analyzed: 07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	70-132
Bromofluorobenzene (FID)	108	66-138

Field ID: SS-31(C)-15.5 Lab ID: 196134-005
Type: SAMPLE Analyzed: 07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	70-132
Bromofluorobenzene (FID)	110	66-138

Field ID: SS-31(C)-19.5 Lab ID: 196134-006
Type: SAMPLE Analyzed: 07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.97

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	70-132
Bromofluorobenzene (FID)	108	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127519
Units:	mg/Kg	Sampled:	07/20/07
Basis:	as received	Received:	07/23/07
Diln Fac:	1.000		

Field ID: SS-31(C)-25.5 Lab ID: 196134-007
Type: SAMPLE Analyzed: 07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	70-132
Bromofluorobenzene (FID)	107	66-138

Field ID: SS-31(C)-30 Lab ID: 196134-008
Type: SAMPLE Analyzed: 07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	70-132
Bromofluorobenzene (FID)	107	66-138

Field ID: SS-31(C)-40 Lab ID: 196134-009
Type: SAMPLE Analyzed: 07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	98	70-132
Bromofluorobenzene (FID)	106	66-138

Field ID: SS-31(C)-51 Lab ID: 196134-010
Type: SAMPLE Analyzed: 07/23/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	70-132
Bromofluorobenzene (FID)	107	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127519
Units:	mg/Kg	Sampled:	07/20/07
Basis:	as received	Received:	07/23/07
Diln Fac:	1.000		

Field ID: SS-31(C)-60.5 Lab ID: 196134-011
Type: SAMPLE Analyzed: 07/24/07

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	70-132
Bromofluorobenzene (FID)	106	66-138

Field ID: SS-31(D)-5.5 Lab ID: 196134-013
Type: SAMPLE Analyzed: 07/24/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.96

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	70-132
Bromofluorobenzene (FID)	109	66-138

Field ID: SS-31(D)-10.5 Lab ID: 196134-014
Type: SAMPLE Analyzed: 07/24/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.96

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	70-132
Bromofluorobenzene (FID)	108	66-138

Field ID: SS-31(D)-15 Lab ID: 196134-015
Type: SAMPLE Analyzed: 07/24/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	70-132
Bromofluorobenzene (FID)	110	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127519
Units:	mg/Kg	Sampled:	07/20/07
Basis:	as received	Received:	07/23/07
Diln Fac:	1.000		

Field ID:	SS-31(D)-19.5	Lab ID:	196134-016
Type:	SAMPLE	Analyzed:	07/24/07

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	70-132
Bromofluorobenzene (FID)	111	66-138

Type:	BLANK	Analyzed:	07/23/07
Lab ID:	QC397465		

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	70-132
Bromofluorobenzene (FID)	105	66-138

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC397466	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127519
Units:	mg/Kg	Analyzed:	07/23/07

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.041	90	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	70-132
Bromofluorobenzene (FID)	106	66-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	196123-001	Batch#:	127519
Matrix:	Soil	Sampled:	07/20/07
Units:	mg/Kg	Received:	07/20/07
Basis:	as received	Analyzed:	07/23/07

Type: MS Lab ID: QC397467

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.02104	1.859	1.816	97	36-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	70-132
Bromofluorobenzene (FID)	113	66-138

Type: MSD Lab ID: QC397468

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1.984	1.602	80	36-120	19	29

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	70-132
Bromofluorobenzene (FID)	105	66-138

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/20/07
Units:	ug/L	Received:	07/23/07
Diln Fac:	1.000	Prepared:	07/21/07
Batch#:	127485		

Field ID:	SS-31(B)-GGW	Analyzed:	07/23/07
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	196134-001		

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

Surrogate	%REC	Limits
Hexacosane	101	61-134

Field ID:	SS-31(C)-GGW	Analyzed:	07/23/07
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	196134-002		

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

Surrogate	%REC	Limits
Hexacosane	113	61-134

Type:	BLANK	Analyzed:	07/24/07
Lab ID:	QC397298	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	86	61-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397299	Batch#:	127485
Matrix:	Water	Prepared:	07/21/07
Units:	ug/L	Analyzed:	07/22/07

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,989	80	58-130

Surrogate	%REC	Limits
Hexacosane	94	61-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127485
MSS Lab ID:	196070-002	Sampled:	07/17/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Prepared:	07/21/07
Diln Fac:	1.000	Analyzed:	07/23/07

Type: MS Lab ID: QC397300

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	97.25	2,500	2,808	108	57-134

Surrogate	%REC	Limits
Hexacosane	122	61-134

Type: MSD Lab ID: QC397301

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,587	100	57-134	8	32

Surrogate	%REC	Limits
Hexacosane	112	61-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127485
MSS Lab ID:	196093-002	Sampled:	07/18/07
Matrix:	Water	Received:	07/19/07
Units:	ug/L	Prepared:	07/21/07
Diln Fac:	1.000	Analyzed:	07/23/07

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC397302

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<17.01	2,500	2,118	85	57-134

Surrogate	%REC	Limits
Hexacosane	101	61-134

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC397303

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,825	73	57-134	15	32

Surrogate	%REC	Limits
Hexacosane	88	61-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/20/07
Units:	mg/Kg	Received:	07/23/07
Basis:	as received	Prepared:	07/23/07
Diln Fac:	1.000		

Field ID:	SS-31(C)-5.5	Batch#:	127535
Type:	SAMPLE	Analyzed:	07/25/07
Lab ID:	196134-003	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.0 H Y Z	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	77	40-127

Field ID:	SS-31(C)-10.5	Batch#:	127535
Type:	SAMPLE	Analyzed:	07/25/07
Lab ID:	196134-004	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	93	40-127

Field ID:	SS-31(C)-15.5	Batch#:	127535
Type:	SAMPLE	Analyzed:	07/25/07
Lab ID:	196134-005	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	59	40-127

Field ID:	SS-31(C)-19.5	Batch#:	127535
Type:	SAMPLE	Analyzed:	07/24/07
Lab ID:	196134-006	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.3 Y Z	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	76	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/20/07
Units:	mg/Kg	Received:	07/23/07
Basis:	as received	Prepared:	07/23/07
Diln Fac:	1.000		

Field ID: SS-31(C)-25.5
Type: SAMPLE
Lab ID: 196134-007
Batch#: 127535
Analyzed: 07/24/07
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	70	40-127

Field ID: SS-31(C)-30
Type: SAMPLE
Lab ID: 196134-008
Batch#: 127534
Analyzed: 07/25/07
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	104	40-127

Field ID: SS-31(C)-40
Type: SAMPLE
Lab ID: 196134-009
Batch#: 127534
Analyzed: 07/25/07
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	103	40-127

Field ID: SS-31(C)-51
Type: SAMPLE
Lab ID: 196134-010
Batch#: 127534
Analyzed: 07/25/07
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	94	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/20/07
Units:	mg/Kg	Received:	07/23/07
Basis:	as received	Prepared:	07/23/07
Diln Fac:	1.000		

Field ID: SS-31(C)-60.5 | Batch#: 127534
Type: SAMPLE | Analyzed: 07/25/07
Lab ID: 196134-011 | Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	5.7 Y Z	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	97	40-127

Field ID: SS-31(D)-5.5 | Batch#: 127534
Type: SAMPLE | Analyzed: 07/25/07
Lab ID: 196134-013 | Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	77	40-127

Field ID: SS-31(D)-10.5 | Batch#: 127534
Type: SAMPLE | Analyzed: 07/25/07
Lab ID: 196134-014 | Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.7 H Y Z	0.99
Motor Oil C24-C36	9.4 H L	5.0

Surrogate	%REC	Limits
Hexacosane	79	40-127

Field ID: SS-31(D)-15 | Batch#: 127534
Type: SAMPLE | Analyzed: 07/25/07
Lab ID: 196134-015 | Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	3.2 Y Z	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	74	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/20/07
Units:	mg/Kg	Received:	07/23/07
Basis:	as received	Prepared:	07/23/07
Diln Fac:	1.000		

Field ID:	SS-31(D)-19.5	Batch#:	127534
Type:	SAMPLE	Analyzed:	07/25/07
Lab ID:	196134-016	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	98	40-127

Type:	BLANK	Analyzed:	07/24/07
Lab ID:	QC397574	Cleanup Method:	EPA 3630C
Batch#:	127534		

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

Surrogate	%REC	Limits
Hexacosane	66	40-127

Type:	BLANK	Analyzed:	07/24/07
Lab ID:	QC397580	Cleanup Method:	EPA 3630C
Batch#:	127535		

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

Surrogate	%REC	Limits
Hexacosane	72	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
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 Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397575	Batch#:	127534
Matrix:	Soil	Prepared:	07/23/07
Units:	mg/Kg	Analyzed:	07/24/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.90	40.08	80	58-127

Surrogate	%REC	Limits
Hexacosane	85	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127534
MSS Lab ID:	196123-001	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	mg/Kg	Prepared:	07/23/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC397576

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	44.24	49.93	99.61	111	29-147

Surrogate	%REC	Limits
Hexacosane	83	40-127

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC397577

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.95	110.8	133	29-147	11	46

Surrogate	%REC	Limits
Hexacosane	90	40-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397581	Batch#:	127535
Matrix:	Soil	Prepared:	07/23/07
Units:	mg/Kg	Analyzed:	07/24/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.84	36.64	74	58-127

Surrogate	%REC	Limits
Hexacosane	78	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127535
MSS Lab ID:	196124-006	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	mg/Kg	Prepared:	07/23/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC397582

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	2.332	49.92	30.59	57	29-147

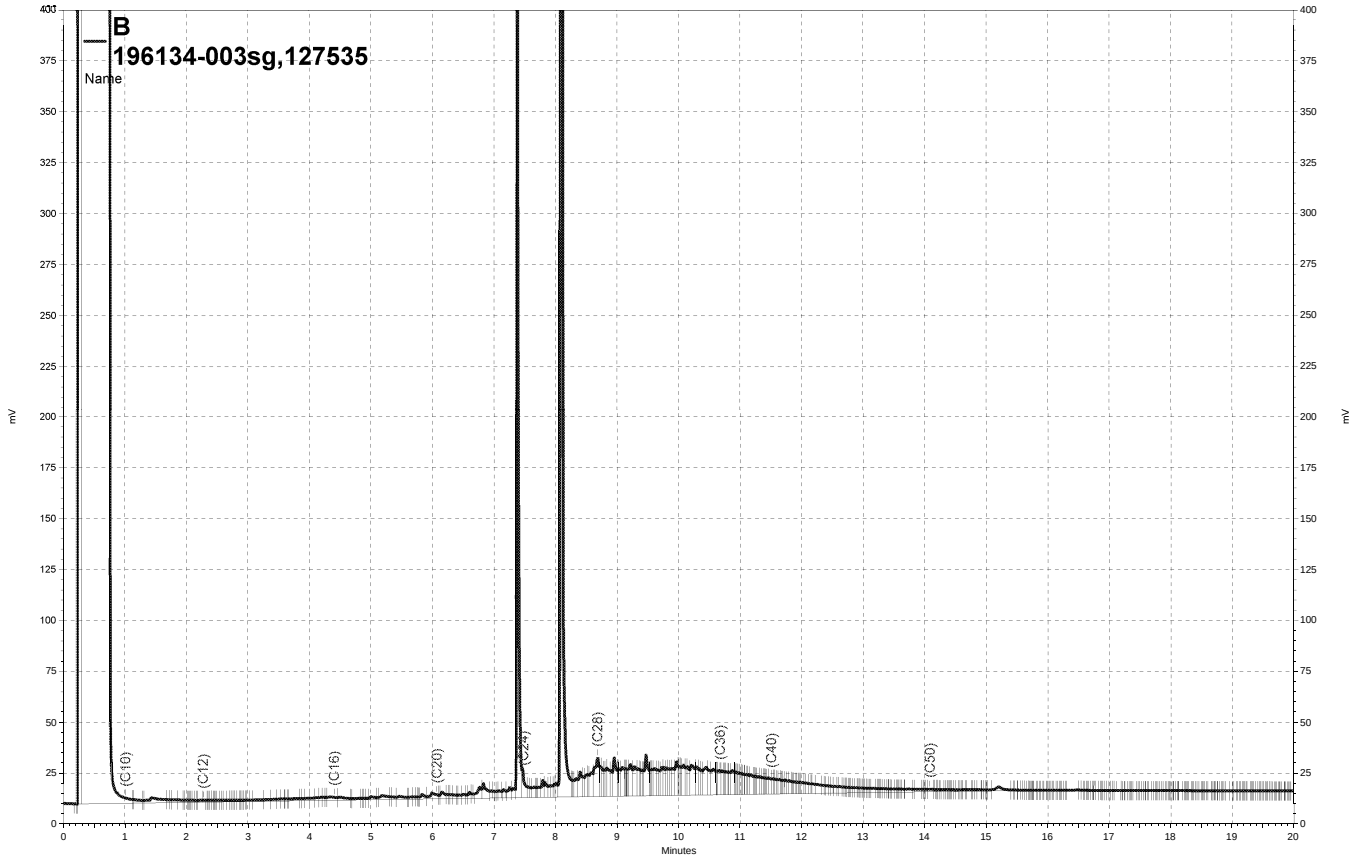
Surrogate	%REC	Limits
Hexacosane	57	40-127

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC397583

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.88	40.57	77	29-147	28	46

Surrogate	%REC	Limits
Hexacosane	79	40-127

RPD= Relative Percent Difference



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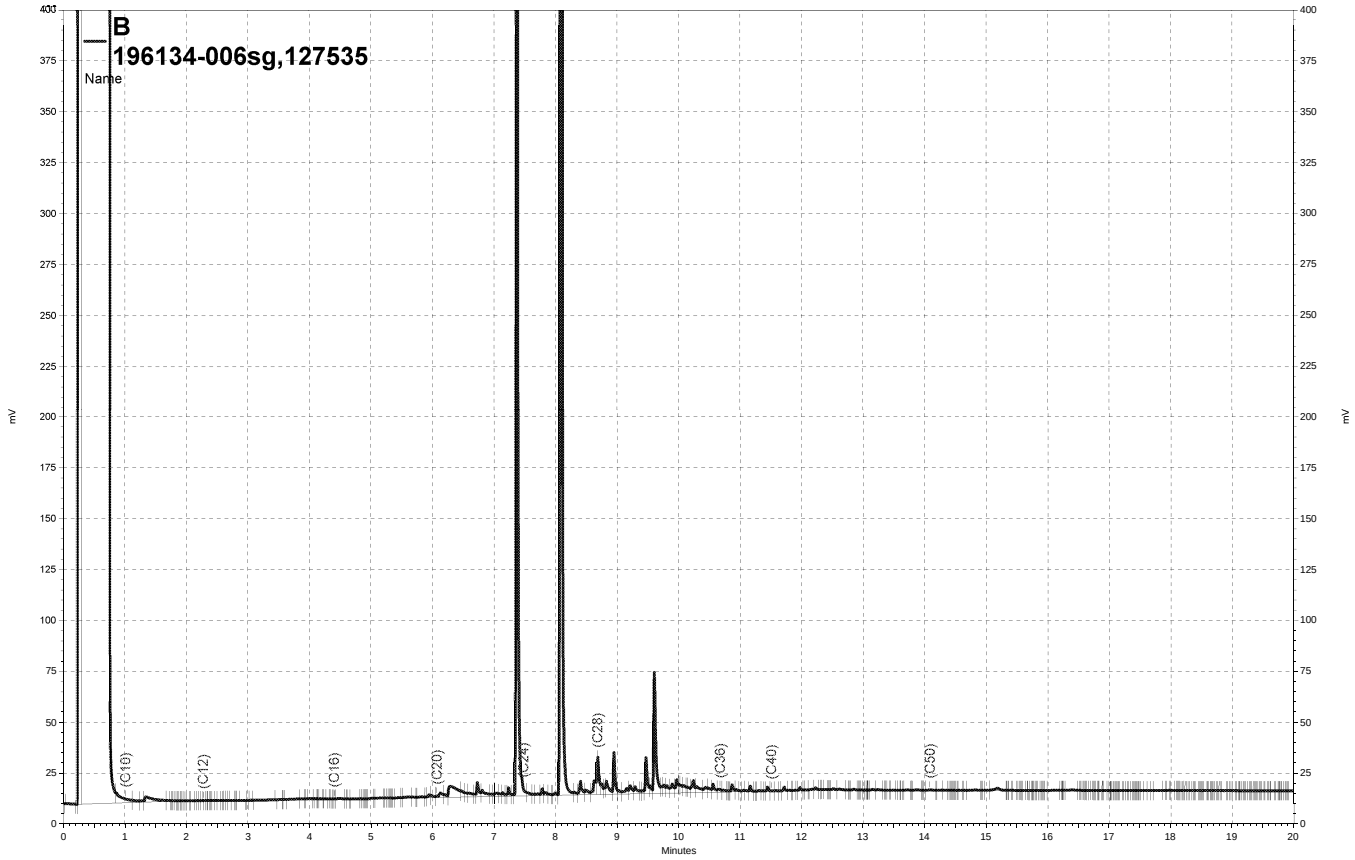

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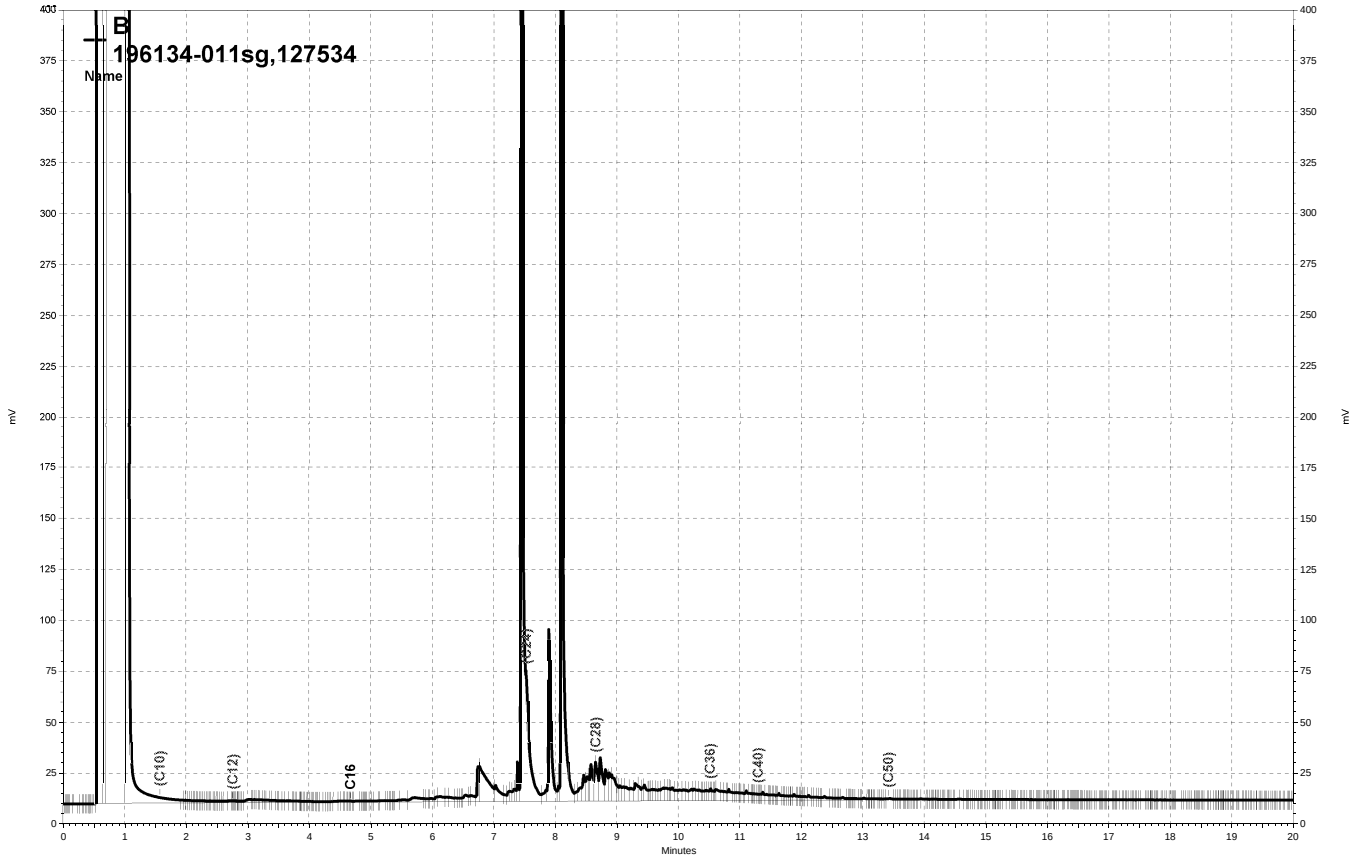

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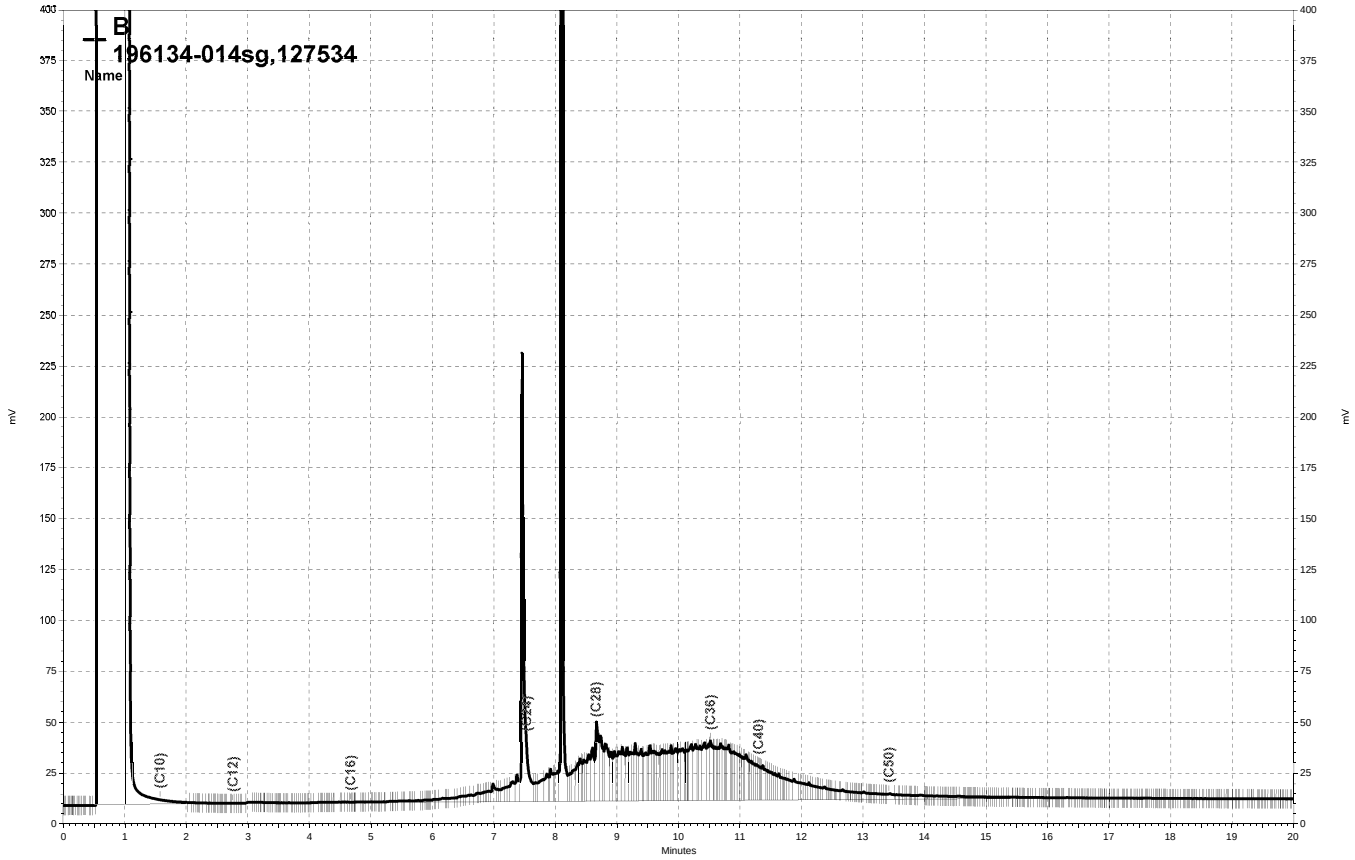

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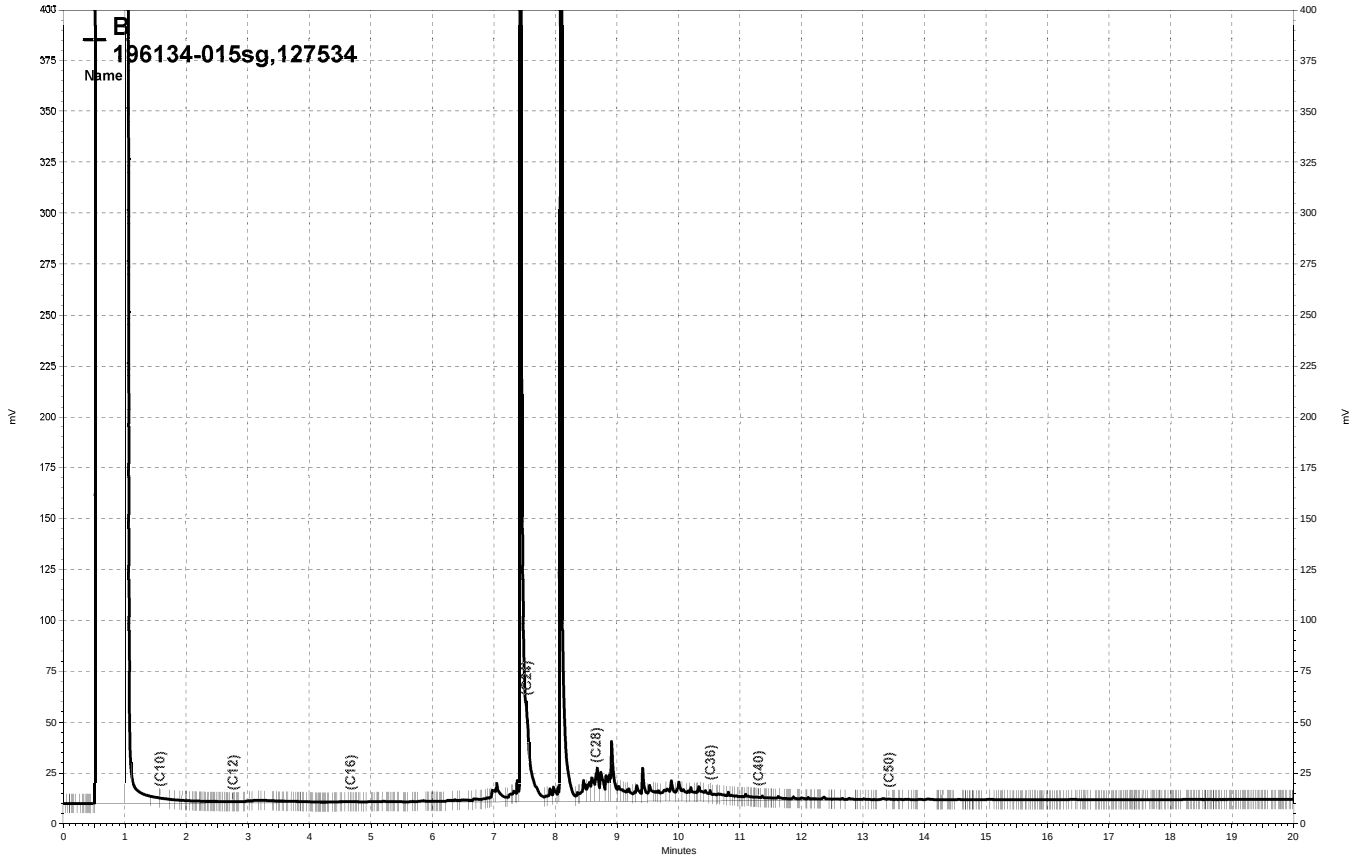

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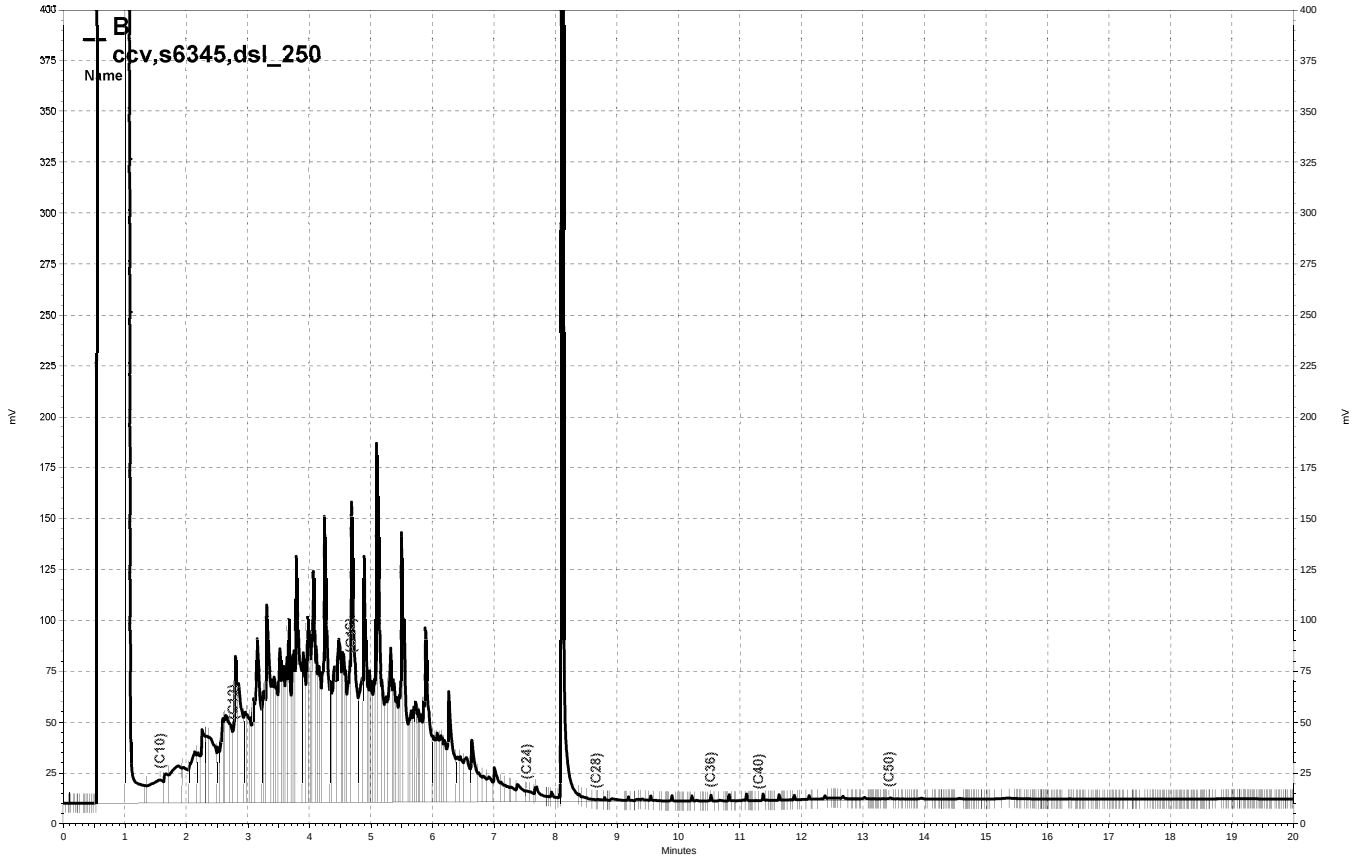

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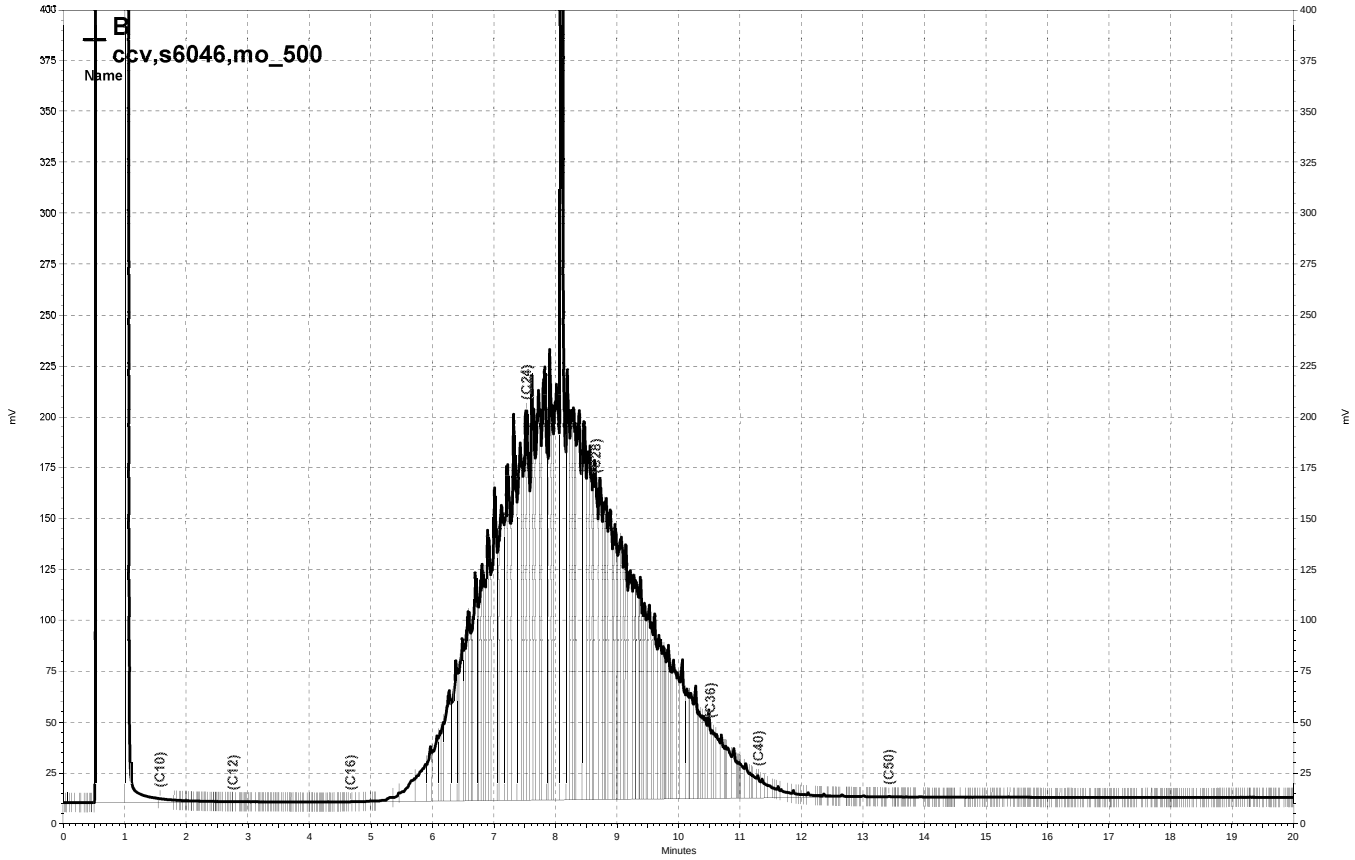

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Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-GGW	Batch#:	127501
Lab ID:	196134-001	Sampled:	07/20/07
Matrix:	Water	Received:	07/23/07
Units:	ug/L	Analyzed:	07/23/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(B)-GGW	Batch#:	127501
Lab ID:	196134-001	Sampled:	07/20/07
Matrix:	Water	Received:	07/23/07
Units:	ug/L	Analyzed:	07/23/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	104	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-GGW	Batch#:	127501
Lab ID:	196134-002	Sampled:	07/20/07
Matrix:	Water	Received:	07/23/07
Units:	ug/L	Analyzed:	07/23/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-GGW	Batch#:	127501
Lab ID:	196134-002	Sampled:	07/20/07
Matrix:	Water	Received:	07/23/07
Units:	ug/L	Analyzed:	07/23/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	104	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127501
Units:	ug/L	Analyzed:	07/23/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397407

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	108.0	86	68-132
Isopropyl Ether (DIPE)	25.00	20.34	81	65-120
Ethyl tert-Butyl Ether (ETBE)	25.00	20.65	83	75-124
Methyl tert-Amyl Ether (TAME)	25.00	24.78	99	77-120
1,1-Dichloroethene	25.00	23.47	94	80-132
Benzene	25.00	24.91	100	80-120
Trichloroethene	25.00	25.58	102	80-120
Toluene	25.00	26.08	104	80-120
Chlorobenzene	25.00	25.85	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	98	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-122

Type: BSD Lab ID: QC397408

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	110.6	88	68-132	2	20
Isopropyl Ether (DIPE)	25.00	19.69	79	65-120	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	20.60	82	75-124	0	20
Methyl tert-Amyl Ether (TAME)	25.00	24.17	97	77-120	2	20
1,1-Dichloroethene	25.00	22.86	91	80-132	3	20
Benzene	25.00	23.60	94	80-120	5	20
Trichloroethene	25.00	24.33	97	80-120	5	20
Toluene	25.00	24.22	97	80-120	7	20
Chlorobenzene	25.00	24.80	99	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127501
Units:	ug/L	Analyzed:	07/23/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397409

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	934.9	93	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	99	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC397410

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	902.7	90	70-130	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-123
1,2-Dichloroethane-d4	97	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397411	Batch#:	127501
Matrix:	Water	Analyzed:	07/23/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397411	Batch#:	127501
Matrix:	Water	Analyzed:	07/23/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-123
1,2-Dichloroethane-d4	103	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-5.5	Diln Fac:	1.000
Lab ID:	196134-003	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	109	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-10.5	Diln Fac:	0.9091
Lab ID:	196134-004	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	110	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-15.5	Diln Fac:	0.9091
Lab ID:	196134-005	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	113	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-19.5	Diln Fac:	0.9804
Lab ID:	196134-006	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	106	78-126
1,2-Dichloroethane-d4	116	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-25.5	Diln Fac:	0.9804
Lab ID:	196134-007	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	103	78-126
1,2-Dichloroethane-d4	116	76-135
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-30	Diln Fac:	0.9615
Lab ID:	196134-008	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	119	76-135
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-40	Diln Fac:	0.9804
Lab ID:	196134-009	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	106	78-126
1,2-Dichloroethane-d4	120	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-51	Diln Fac:	1.000
Lab ID:	196134-010	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	107	78-126
1,2-Dichloroethane-d4	119	76-135
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(C)-60.5	Diln Fac:	0.9804
Lab ID:	196134-011	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	107	78-126
1,2-Dichloroethane-d4	121	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-5.5	Diln Fac:	0.9615
Lab ID:	196134-013	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	108	78-126
1,2-Dichloroethane-d4	123	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	105	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-10.5	Diln Fac:	0.9434
Lab ID:	196134-014	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
Toluene	ND	4.7
1,2-Dibromoethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	109	78-126
1,2-Dichloroethane-d4	126	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-15	Diln Fac:	0.9091
Lab ID:	196134-015	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	78-126
1,2-Dichloroethane-d4	126	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	104	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-19.5	Diln Fac:	0.9259
Lab ID:	196134-016	Batch#:	127494
Matrix:	Soil	Sampled:	07/20/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	93
MTBE	ND	4.6
Isopropyl Ether (DIPE)	ND	4.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Methyl tert-Amyl Ether (TAME)	ND	4.6
Toluene	ND	4.6
1,2-Dibromoethane	ND	4.6
Ethylbenzene	ND	4.6
m,p-Xylenes	ND	4.6
o-Xylene	ND	4.6

Surrogate	%REC	Limits
Dibromofluoromethane	108	78-126
1,2-Dichloroethane-d4	124	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	103	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC397378	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	125.2	100	56-130
MTBE	25.00	23.94	96	66-120
Isopropyl Ether (DIPE)	25.00	22.73	91	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	21.67	87	68-120
1,2-Dichloroethane	25.00	25.72	103	73-120
Benzene	25.00	25.43	102	80-120
Methyl tert-Amyl Ether (TAME)	25.00	25.40	102	73-120
Toluene	25.00	25.49	102	80-120
1,2-Dibromoethane	25.00	25.09	100	80-120
Ethylbenzene	25.00	26.99	108	80-125
m,p-Xylenes	50.00	52.22	104	80-123
o-Xylene	25.00	26.38	106	80-122

Surrogate	%REC	Limits
Dibromofluoromethane	101	78-126
1,2-Dichloroethane-d4	106	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC397379	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	78-126
1,2-Dichloroethane-d4	107	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC397380	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127494
Units:	ug/Kg	Analyzed:	07/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	93	78-126
1,2-Dichloroethane-d4	93	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	93	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Dil'n Fac:	0.9804
MSS Lab ID:	196096-011	Batch#:	127494
Matrix:	Soil	Sampled:	07/17/07
Units:	ug/Kg	Received:	07/19/07
Basis:	as received	Analyzed:	07/23/07

Type: MS Lab ID: QC397381

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<3.013	245.1	162.3	66	45-123
MTBE	1.011	49.02	41.34	82	55-120
Isopropyl Ether (DIPE)	<0.1696	49.02	41.09	84	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.08887	49.02	39.85	81	58-120
1,2-Dichloroethane	<0.1943	49.02	42.15	86	56-120
Benzene	0.2064	49.02	47.19	96	61-122
Methyl tert-Amyl Ether (TAME)	<0.1769	49.02	43.93	90	60-120
Toluene	<0.5418	49.02	44.85	92	57-124
1,2-Dibromoethane	<0.2179	49.02	39.30	80	57-120
Ethylbenzene	<0.5715	49.02	42.87	87	55-129
m,p-Xylenes	<1.282	98.04	81.15	83	53-127
o-Xylene	<0.5054	49.02	41.21	84	54-127

Surrogate	%REC	Limits
Dibromofluoromethane	100	78-126
1,2-Dichloroethane-d4	92	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-126

Type: MSD Lab ID: QC397382

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.1	140.9	57	45-123	14	32
MTBE	49.02	38.58	77	55-120	7	20
Isopropyl Ether (DIPE)	49.02	40.43	82	50-120	2	20
Ethyl tert-Butyl Ether (ETBE)	49.02	39.10	80	58-120	2	20
1,2-Dichloroethane	49.02	37.01	76	56-120	13	20
Benzene	49.02	46.77	95	61-122	1	20
Methyl tert-Amyl Ether (TAME)	49.02	44.24	90	60-120	1	20
Toluene	49.02	46.95	96	57-124	5	21
1,2-Dibromoethane	49.02	36.61	75	57-120	7	20
Ethylbenzene	49.02	47.19	96	55-129	10	23
m,p-Xylenes	98.04	92.06	94	53-127	13	23
o-Xylene	49.02	45.41	93	54-127	10	22

Surrogate	%REC	Limits
Dibromofluoromethane	92	78-126
1,2-Dichloroethane-d4	81	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(C)-5.5	Batch#:	127543
Lab ID:	196134-003	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(C)-5.5	Batch#:	127543
Lab ID:	196134-003	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	50	28-120
Phenol-d5	57	30-120
2,4,6-Tribromophenol	73	20-120
Nitrobenzene-d5	52	39-120
2-Fluorobiphenyl	61	44-120
Terphenyl-d14	64	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(C)-10.5	Batch#:	127543
Lab ID:	196134-004	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(C)-10.5	Batch#:	127543
Lab ID:	196134-004	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	59	28-120
Phenol-d5	60	30-120
2,4,6-Tribromophenol	79	20-120
Nitrobenzene-d5	59	39-120
2-Fluorobiphenyl	60	44-120
Terphenyl-d14	67	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(D)-5.5	Batch#:	127543
Lab ID:	196134-013	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(D)-5.5	Batch#:	127543
Lab ID:	196134-013	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	55	28-120
Phenol-d5	58	30-120
2,4,6-Tribromophenol	72	20-120
Nitrobenzene-d5	54	39-120
2-Fluorobiphenyl	60	44-120
Terphenyl-d14	65	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(D)-10.5	Batch#:	127666
Lab ID:	196134-014	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/26/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	670
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	67
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	67
Hexachlorocyclopentadiene	ND	670
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	670
Dimethylphthalate	ND	330
Acenaphthylene	ND	67
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	670
Acenaphthene	ND	67
2,4-Dinitrophenol	ND	670
4-Nitrophenol	ND	670
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	67
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	670
4,6-Dinitro-2-methylphenol	ND	670
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	670
Phenanthrene	ND	67
Anthracene	ND	67
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	SS-31(D)-10.5	Batch#:	127666
Lab ID:	196134-014	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/26/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Analyte	Result	RL
Fluoranthene	ND	67
Pyrene	ND	67
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	670
Benzo(a)anthracene	ND	67
Chrysene	ND	67
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
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
2-Fluorophenol	74	28-120
Phenol-d5	75	30-120
2,4,6-Tribromophenol	82	20-120
Nitrobenzene-d5	73	39-120
2-Fluorobiphenyl	72	44-120
Terphenyl-d14	68	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397616	Batch#:	127543
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/24/07
Basis:	as received		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,700
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397616	Batch#:	127543
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/24/07
Basis:	as received		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	70	28-120
Phenol-d5	69	30-120
2,4,6-Tribromophenol	88	20-120
Nitrobenzene-d5	69	39-120
2-Fluorobiphenyl	78	44-120
Terphenyl-d14	73	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397617	Batch#:	127543
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/24/07
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Phenol	2,655	1,849	70	40-120
2-Chlorophenol	2,655	1,833	69	40-120
1,4-Dichlorobenzene	1,328	1,047	79	45-120
N-Nitroso-di-n-propylamine	1,328	824.0	62	34-120
1,2,4-Trichlorobenzene	1,328	1,094	82	45-120
4-Chloro-3-methylphenol	2,655	2,184	82	45-120
Acenaphthene	1,328	1,020	77	42-120
4-Nitrophenol	2,655	1,856	70	31-120
2,4-Dinitrotoluene	1,328	1,196	90	41-120
Pentachlorophenol	2,655	2,245	85	21-120
Pyrene	1,328	1,094	82	41-120

Surrogate	%REC	Limits
2-Fluorophenol	66	28-120
Phenol-d5	68	30-120
2,4,6-Tribromophenol	102	20-120
Nitrobenzene-d5	68	39-120
2-Fluorobiphenyl	75	44-120
Terphenyl-d14	76	39-120

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC398143	Batch#:	127666
Matrix:	Soil	Prepared:	07/26/07
Units:	ug/Kg	Analyzed:	07/26/07
Basis:	as received		

Analyte	Result	RL
N-Nitrosodimethylamine	ND	330
Phenol	ND	330
bis(2-Chloroethyl)ether	ND	330
2-Chlorophenol	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
Benzyl alcohol	ND	330
1,2-Dichlorobenzene	ND	330
2-Methylphenol	ND	330
bis(2-Chloroisopropyl) ether	ND	330
4-Methylphenol	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
2-Nitrophenol	ND	660
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1,600
bis(2-Chloroethoxy)methane	ND	330
2,4-Dichlorophenol	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	66
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
4-Chloro-3-methylphenol	ND	330
2-Methylnaphthalene	ND	66
Hexachlorocyclopentadiene	ND	660
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	660
Dimethylphthalate	ND	330
Acenaphthylene	ND	66
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	660
Acenaphthene	ND	66
2,4-Dinitrophenol	ND	660
4-Nitrophenol	ND	660
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
Fluorene	ND	66
4-Chlorophenyl-phenylether	ND	330
4-Nitroaniline	ND	660
4,6-Dinitro-2-methylphenol	ND	660
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Di-n-butylphthalate	ND	330

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC398143	Batch#:	127666
Matrix:	Soil	Prepared:	07/26/07
Units:	ug/Kg	Analyzed:	07/26/07
Basis:	as received		

Analyte	Result	RL
Fluoranthene	ND	66
Pyrene	ND	66
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	660
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	75	28-120
Phenol-d5	79	30-120
2,4,6-Tribromophenol	85	20-120
Nitrobenzene-d5	75	39-120
2-Fluorobiphenyl	79	44-120
Terphenyl-d14	73	39-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC398144	Batch#:	127666
Matrix:	Soil	Prepared:	07/26/07
Units:	ug/Kg	Analyzed:	07/26/07
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Phenol	2,644	1,927	73	40-120
2-Chlorophenol	2,644	1,921	73	40-120
1,4-Dichlorobenzene	1,322	1,044	79	45-120
N-Nitroso-di-n-propylamine	1,322	922.2	70	34-120
1,2,4-Trichlorobenzene	1,322	1,078	82	45-120
4-Chloro-3-methylphenol	2,644	2,099	79	45-120
Acenaphthene	1,322	996.4	75	42-120
4-Nitrophenol	2,644	1,885	71	31-120
2,4-Dinitrotoluene	1,322	1,111	84	41-120
Pentachlorophenol	2,644	1,824	69	21-120
Pyrene	1,322	1,004	76	41-120

Surrogate	%REC	Limits
2-Fluorophenol	69	28-120
Phenol-d5	73	30-120
2,4,6-Tribromophenol	99	20-120
Nitrobenzene-d5	71	39-120
2-Fluorobiphenyl	74	44-120
Terphenyl-d14	71	39-120

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	ZZZZZZZZZZ	Batch#:	127666
MSS Lab ID:	196124-006	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/26/07
Basis:	as received	Analyzed:	07/27/07
Diln Fac:	1.000		

Type: MS Lab ID: QC398145

Analyte	MSS Result	Spiked	Result	%REC	Limits
Phenol	<68.23	2,659	1,835	69	38-120
2-Chlorophenol	<71.02	2,659	1,856	70	38-120
1,4-Dichlorobenzene	<16.96	1,329	1,049	79	49-120
N-Nitroso-di-n-propylamine	<14.03	1,329	841.8	63	43-120
1,2,4-Trichlorobenzene	<15.15	1,329	1,107	83	47-120
4-Chloro-3-methylphenol	<70.29	2,659	2,005	75	44-120
Acenaphthene	<14.95	1,329	954.3	72	48-120
4-Nitrophenol	<84.28	2,659	1,630	61	30-120
2,4-Dinitrotoluene	<15.28	1,329	1,051	79	41-120
Pentachlorophenol	<66.87	2,659	1,193	45	13-120
Pyrene	<14.94	1,329	948.4	71	42-120

Surrogate	%REC	Limits
2-Fluorophenol	69	28-120
Phenol-d5	70	30-120
2,4,6-Tribromophenol	99	20-120
Nitrobenzene-d5	69	39-120
2-Fluorobiphenyl	75	44-120
Terphenyl-d14	70	39-120

Type: MSD Lab ID: QC398146

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	2,659	1,893	71	38-120	3	26
2-Chlorophenol	2,659	1,879	71	38-120	1	28
1,4-Dichlorobenzene	1,329	1,001	75	49-120	5	27
N-Nitroso-di-n-propylamine	1,329	906.8	68	43-120	7	28
1,2,4-Trichlorobenzene	1,329	1,093	82	47-120	1	26
4-Chloro-3-methylphenol	2,659	2,159	81	44-120	7	28
Acenaphthene	1,329	1,015	76	48-120	6	29
4-Nitrophenol	2,659	1,858	70	30-120	13	38
2,4-Dinitrotoluene	1,329	1,129	85	41-120	7	26
Pentachlorophenol	2,659	1,279	48	13-120	7	55
Pyrene	1,329	1,038	78	42-120	9	30

Surrogate	%REC	Limits
2-Fluorophenol	69	28-120
Phenol-d5	73	30-120
2,4,6-Tribromophenol	103	20-120
Nitrobenzene-d5	72	39-120
2-Fluorobiphenyl	77	44-120
Terphenyl-d14	76	39-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	ZZZZZZZZZZ	Batch#:	127666
MSS Lab ID:	196215-012	Sampled:	07/24/07
Matrix:	Soil	Received:	07/25/07
Units:	ug/Kg	Prepared:	07/26/07
Basis:	as received	Analyzed:	07/27/07
Diln Fac:	1.000		

Type: MS Lab ID: QC398147

Analyte	MSS Result	Spiked	Result	%REC	Limits
Phenol	<67.94	2,665	2,098	79	38-120
2-Chlorophenol	<70.72	2,665	2,076	78	38-120
1,4-Dichlorobenzene	<16.89	1,332	1,150	86	49-120
N-Nitroso-di-n-propylamine	<13.97	1,332	1,017	76	43-120
1,2,4-Trichlorobenzene	<15.09	1,332	1,169	88	47-120
4-Chloro-3-methylphenol	<69.99	2,665	2,229	84	44-120
Acenaphthene	<14.89	1,332	1,051	79	48-120
4-Nitrophenol	<83.91	2,665	2,029	76	30-120
2,4-Dinitrotoluene	<15.22	1,332	1,131	85	41-120
Pentachlorophenol	<66.58	2,665	1,888	71	13-120
Pyrene	<14.88	1,332	1,059	79	42-120

Surrogate	%REC	Limits
2-Fluorophenol	77	28-120
Phenol-d5	80	30-120
2,4,6-Tribromophenol	103	20-120
Nitrobenzene-d5	79	39-120
2-Fluorobiphenyl	79	44-120
Terphenyl-d14	75	39-120

Type: MSD Lab ID: QC398148

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	2,658	1,857	70	38-120	12	26
2-Chlorophenol	2,658	1,879	71	38-120	10	28
1,4-Dichlorobenzene	1,329	1,039	78	49-120	10	27
N-Nitroso-di-n-propylamine	1,329	881.9	66	43-120	14	28
1,2,4-Trichlorobenzene	1,329	1,084	82	47-120	7	26
4-Chloro-3-methylphenol	2,658	2,056	77	44-120	8	28
Acenaphthene	1,329	970.9	73	48-120	8	29
4-Nitrophenol	2,658	1,807	68	30-120	11	38
2,4-Dinitrotoluene	1,329	1,054	79	41-120	7	26
Pentachlorophenol	2,658	1,838	69	13-120	2	55
Pyrene	1,329	954.3	72	42-120	10	30

Surrogate	%REC	Limits
2-Fluorophenol	69	28-120
Phenol-d5	71	30-120
2,4,6-Tribromophenol	98	20-120
Nitrobenzene-d5	69	39-120
2-Fluorobiphenyl	73	44-120
Terphenyl-d14	68	39-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	SS-31(C)-5.5	Batch#:	127545
Lab ID:	196134-003	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	77	50-120
Decachlorobiphenyl	85	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	SS-31(C)-10.5	Batch#:	127545
Lab ID:	196134-004	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	92	50-120
Decachlorobiphenyl	100	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	SS-31(D)-5.5	Batch#:	127545
Lab ID:	196134-013	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	102	50-120
Decachlorobiphenyl	113	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	SS-31(D)-10.5	Batch#:	127545
Lab ID:	196134-014	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	98	50-120
Decachlorobiphenyl	107	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397627	Batch#:	127545
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/25/07
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
alpha-Chlordane	ND	1.7
gamma-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	59

Surrogate	%REC	Limits
TCMX	107	50-120
Decachlorobiphenyl	117	54-133

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397631	Batch#:	127545
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/25/07
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.20	8.652	66	42-120
Heptachlor	13.20	9.825	74	44-130
Aldrin	13.20	9.239	70	47-120
Dieldrin	26.40	22.53	85	50-121
Endrin	26.40	12.50	47	39-130
4,4'-DDT	26.40	24.31	92	45-127

Surrogate	%REC	Limits
TCMX	62	50-120
Decachlorobiphenyl	94	54-133

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8081A
Field ID:	ZZZZZZZZZZ	Batch#:	127545
MSS Lab ID:	196124-006	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/31/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC397632

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.3685	13.26	9.911	75	45-120
Heptachlor	<0.4792	13.26	10.79	81	50-124
Aldrin	<0.3149	13.26	10.52 #	79	47-122
Dieldrin	<0.9902	26.52	22.46	85	47-122
Endrin	<1.174	26.52	22.14 #	83	46-127
4,4'-DDT	<1.265	26.52	23.60	89	27-136

Surrogate	%REC	Limits
TCMX	87	50-120
Decachlorobiphenyl	128	54-133

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC397633

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.32	11.74	88	45-120	16	39
Heptachlor	13.32	12.61	95	50-124	15	37
Aldrin	13.32	12.18 #	91	47-122	14	35
Dieldrin	26.64	24.43	92	47-122	8	34
Endrin	26.64	28.32 #	106	46-127	24	37
4,4'-DDT	26.64	23.80	89	27-136	0	49

Surrogate	%REC	Limits
TCMX	92	50-120
Decachlorobiphenyl	104	54-133

#= CCV drift outside limits; average CCV drift within limits per method requirements
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	127545
Units:	ug/Kg	Sampled:	07/20/07
Basis:	as received	Received:	07/23/07
Diln Fac:	1.000	Prepared:	07/24/07

Field ID: SS-31(C)-5.5
Type: SAMPLE
Lab ID: 196134-003
Analyzed: 07/25/07
Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	107	63-141
Decachlorobiphenyl	106	50-158

Field ID: SS-31(C)-10.5
Type: SAMPLE
Lab ID: 196134-004
Analyzed: 07/25/07
Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	115	63-141
Decachlorobiphenyl	121	50-158

Field ID: SS-31(D)-5.5
Type: SAMPLE
Lab ID: 196134-013
Analyzed: 07/25/07
Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	119	63-141
Decachlorobiphenyl	117	50-158

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	127545
Units:	ug/Kg	Sampled:	07/20/07
Basis:	as received	Received:	07/23/07
Diln Fac:	1.000	Prepared:	07/24/07

Field ID: SS-31(D)-10.5
Type: SAMPLE
Lab ID: 196134-014

Analyzed: 07/25/07
Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	116	63-141
Decachlorobiphenyl	124	50-158

Type: BLANK
Lab ID: QC397627

Analyzed: 07/24/07
Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	119	63-141
Decachlorobiphenyl	128	50-158

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397628	Batch#:	127545
Matrix:	Soil	Prepared:	07/24/07
Units:	ug/Kg	Analyzed:	07/24/07
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1232	164.3	188.8	115	68-138

Surrogate	%REC	Limits
TCMX	119	63-141
Decachlorobiphenyl	122	50-158

Curtis & Tompkins, Ltd.

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3550B
Project#:	001-09567-01	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	127545
MSS Lab ID:	196124-006	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	ug/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3665A
Lab ID: QC397629

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1232	<2.400	164.6	166.8	101	72-140

Surrogate	%REC	Limits
TCMX	109	63-141
Decachlorobiphenyl	108	50-158

Type: MSD Cleanup Method: EPA 3665A
Lab ID: QC397630

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1232	166.6	179.9	108	72-140	6	27

Surrogate	%REC	Limits
TCMX	113	63-141
Decachlorobiphenyl	116	50-158

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196134	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SS-31(C)-5.5	Diln Fac:	1.000
Lab ID:	196134-003	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	mg/Kg	Analyzed:	07/25/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Arsenic	7.3	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Barium	260	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Beryllium	0.41	0.10	127580	07/24/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Chromium	22	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Cobalt	8.2	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Copper	18	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Lead	5.2	0.15	127580	07/24/07	EPA 3050B	EPA 6010B
Mercury	0.089	0.020	127600	07/25/07	METHOD	EPA 7471A
Molybdenum	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Nickel	28	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Vanadium	35	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Zinc	38	1.0	127580	07/24/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196134	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SS-31(C)-10.5	Diln Fac:	1.000
Lab ID:	196134-004	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	mg/Kg	Analyzed:	07/25/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Arsenic	6.3	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Barium	270	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Beryllium	0.42	0.10	127580	07/24/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Chromium	44	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Cobalt	12	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Copper	25	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Lead	6.4	0.15	127580	07/24/07	EPA 3050B	EPA 6010B
Mercury	0.091	0.020	127600	07/25/07	METHOD	EPA 7471A
Molybdenum	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Nickel	71	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Vanadium	36	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Zinc	45	1.0	127580	07/24/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196134	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SS-31(D)-5.5	Diln Fac:	1.000
Lab ID:	196134-013	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	mg/Kg	Analyzed:	07/25/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Arsenic	5.0	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Barium	270	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Beryllium	0.39	0.10	127580	07/24/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Chromium	39	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Cobalt	9.7	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Copper	22	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Lead	4.6	0.15	127580	07/24/07	EPA 3050B	EPA 6010B
Mercury	0.058	0.020	127600	07/25/07	METHOD	EPA 7471A
Molybdenum	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Nickel	63	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Vanadium	30	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Zinc	38	1.0	127580	07/24/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 26 Metals

Lab #:	196134	Project#:	001-09567-01
Client:	LFR Levine Fricke	Location:	Hanson Radum
Field ID:	SS-31(D)-10.5	Diln Fac:	1.000
Lab ID:	196134-014	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	mg/Kg	Analyzed:	07/25/07
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Arsenic	6.0	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Barium	330	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Beryllium	0.44	0.10	127580	07/24/07	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Chromium	38	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Cobalt	11	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Copper	25	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Lead	6.6	0.15	127580	07/24/07	EPA 3050B	EPA 6010B
Mercury	0.087	0.020	127600	07/25/07	METHOD	EPA 7471A
Molybdenum	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Nickel	57	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Selenium	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Silver	ND	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Thallium	ND	0.50	127580	07/24/07	EPA 3050B	EPA 6010B
Vanadium	36	0.25	127580	07/24/07	EPA 3050B	EPA 6010B
Zinc	45	1.0	127580	07/24/07	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397759	Batch#:	127580
Matrix:	Soil	Prepared:	07/24/07
Units:	mg/Kg	Analyzed:	07/25/07
Basis:	as received		

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.25
Lead	ND	0.15
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 #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	127580
Units:	mg/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397760

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	97.85	98	80-120
Arsenic	50.00	48.81	98	80-120
Barium	100.0	98.96	99	80-120
Beryllium	2.500	2.394	96	80-120
Cadmium	10.00	10.08	101	80-120
Chromium	100.0	96.09	96	80-120
Cobalt	25.00	23.47	94	80-120
Copper	12.50	11.79	94	80-120
Lead	100.0	95.17	95	80-120
Molybdenum	20.00	20.34	102	80-120
Nickel	25.00	23.56	94	80-120
Selenium	50.00	48.95	98	80-120
Silver	10.00	9.538	95	80-120
Thallium	50.00	47.17	94	80-120
Vanadium	25.00	24.24	97	80-120
Zinc	25.00	24.42	98	80-120

Type: BSD Lab ID: QC397761

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	98.74	99	80-120	1	20
Arsenic	50.00	48.42	97	80-120	1	20
Barium	100.0	100.1	100	80-120	1	20
Beryllium	2.500	2.424	97	80-120	1	20
Cadmium	10.00	10.16	102	80-120	1	20
Chromium	100.0	97.18	97	80-120	1	20
Cobalt	25.00	23.76	95	80-120	1	20
Copper	12.50	11.91	95	80-120	1	20
Lead	100.0	96.75	97	80-120	2	20
Molybdenum	20.00	20.77	104	80-120	2	20
Nickel	25.00	23.85	95	80-120	1	20
Selenium	50.00	50.20	100	80-120	3	20
Silver	10.00	9.695	97	80-120	2	20
Thallium	50.00	47.65	95	80-120	1	20
Vanadium	25.00	24.51	98	80-120	1	20
Zinc	25.00	24.47	98	80-120	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3050B
Project#:	001-09567-01	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	127580
MSS Lab ID:	196147-001	Sampled:	07/20/07
Matrix:	Soil	Received:	07/23/07
Units:	mg/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: MS Lab ID: QC397762

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.1763	93.46	45.95	49	1-129
Arsenic	1.998	46.73	47.18	97	72-120
Barium	65.70	93.46	159.8	101	49-138
Beryllium	0.3264	2.336	2.535	95	80-120
Cadmium	<0.02395	9.346	8.852	95	72-120
Chromium	7.338	93.46	93.65	92	63-122
Cobalt	3.009	23.36	24.04	90	61-120
Copper	5.529	11.68	16.58	95	59-137
Lead	2.300	93.46	85.55	89	55-122
Molybdenum	0.1733	18.69	17.88	95	66-120
Nickel	2.666	23.36	23.53	89	45-139
Selenium	<0.04713	46.73	44.67	96	73-120
Silver	<0.05716	9.346	8.830	94	53-120
Thallium	<0.08561	46.73	40.58	87	64-120
Vanadium	33.31	23.36	55.69	96	55-139
Zinc	17.77	23.36	40.34	97	49-140

Type: MSD Lab ID: QC397763

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	93.46	45.87	49	1-129	0	23
Arsenic	46.73	49.36	101	72-120	5	20
Barium	93.46	168.8	110	49-138	6	23
Beryllium	2.336	2.627	98	80-120	4	20
Cadmium	9.346	9.195	98	72-120	4	20
Chromium	93.46	96.55	95	63-122	3	20
Cobalt	23.36	25.17	95	61-120	5	23
Copper	11.68	17.61	103	59-137	6	20
Lead	93.46	89.51	93	55-122	5	26
Molybdenum	18.69	18.60	99	66-120	4	20
Nickel	23.36	24.95	95	45-139	6	26
Selenium	46.73	43.31	93	73-120	3	20
Silver	9.346	9.048	97	53-120	2	22
Thallium	46.73	41.92	90	64-120	3	20
Vanadium	23.36	58.60	108	55-139	5	20
Zinc	23.36	43.34	109	49-140	7	23

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397831	Batch#:	127600
Matrix:	Soil	Prepared:	07/25/07
Units:	mg/Kg	Analyzed:	07/25/07

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127600
Units:	mg/Kg	Prepared:	07/25/07
Basis:	as received	Analyzed:	07/25/07

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC397832	0.5000	0.4540	91	80-120		
BSD	QC397833	0.5000	0.4240	85	80-120	7	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 26 Metals

Lab #:	196134	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	127600
MSS Lab ID:	196123-001	Sampled:	07/20/07
Matrix:	Soil	Received:	07/20/07
Units:	mg/Kg	Prepared:	07/25/07
Basis:	as received	Analyzed:	07/25/07

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC397835	0.08440	0.4808	0.5990	107	67-143		
MSD	QC397836		0.4717	0.4774	83	67-143	21	23

RPD= Relative Percent Difference

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

Laboratory Job Number 196163

LFR Levine Fricke	Project : 001-09567-01
1900 Powell Street	Location : Hanson Radum
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
SS-31(D)-GGW	196163-001
SS-123(F1)-GGW	196163-002
SS-31(D)-25	196163-003
SS-31(D)-30	196163-004
SS-31(D)-40	196163-005
SS-31(D)-50.5	196163-006
SS-31(D)-60.5	196163-007
SS-123(F1)-5.5	196163-008
SS-123(F1)-15.5	196163-009
SS-123(F2)-6	196163-010
SS-123(F2)-11.5	196163-011
SS-123(F2)-16.5	196163-012

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.

Signature: _____ Date: 07/30/2007
Project Manager

Signature: _____ Date: 07/30/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196163**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/23/07**
Samples Received:	**07/23/07**

This hardcopy data package contains sample and QC results for nine soil samples and two water samples, requested for the above referenced project on 07/23/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/26/07.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

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

TPH-Extractables by GC (EPA 8015B) Soil:
High RPD was observed for diesel C10-C24 in the MS/MSD of SS-31(D)-50.5 (lab # 196163-006). No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

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Total Volatile Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127568
Units:	mg/Kg	Sampled:	07/23/07
Basis:	as received	Received:	07/23/07
Diln Fac:	1.000	Analyzed:	07/24/07

Field ID: SS-31(D)-25 Lab ID: 196163-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	93	70-132
Bromofluorobenzene (FID)	102	66-138

Field ID: SS-31(D)-30 Lab ID: 196163-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.99

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	70-132
Bromofluorobenzene (FID)	107	66-138

Field ID: SS-31(D)-40 Lab ID: 196163-005
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	70-132
Bromofluorobenzene (FID)	114	66-138

ND= Not Detected
RL= Reporting Limit

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Total Volatile Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127568
Units:	mg/Kg	Sampled:	07/23/07
Basis:	as received	Received:	07/23/07
Diln Fac:	1.000	Analyzed:	07/24/07

Field ID: SS-31(D)-50.5 Lab ID: 196163-006
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	0.95

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	70-132
Bromofluorobenzene (FID)	104	66-138

Field ID: SS-31(D)-60.5 Lab ID: 196163-007
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	70-132
Bromofluorobenzene (FID)	104	66-138

Type: BLANK Lab ID: QC397711

Analyte	Result	RL
Gasoline C7-C12	ND	0.20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	70-132
Bromofluorobenzene (FID)	101	66-138

ND= Not Detected
RL= Reporting Limit

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Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC397712	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127568
Units:	mg/Kg	Analyzed:	07/24/07

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.959	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	70-132
Bromofluorobenzene (FID)	101	66-138

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	SS-31(D)-25	Diln Fac:	1.000
MSS Lab ID:	196163-003	Batch#:	127568
Matrix:	Soil	Sampled:	07/23/07
Units:	mg/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/24/07

Type: MS Lab ID: QC397713

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.09166	9.901	9.881	99	36-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	70-132
Bromofluorobenzene (FID)	112	66-138

Type: MSD Lab ID: QC397714

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.20	10.22	99	36-120	0	29

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	70-132
Bromofluorobenzene (FID)	107	66-138

RPD= Relative Percent Difference

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Total Extractable Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/23/07
Units:	ug/L	Received:	07/23/07
Diln Fac:	1.000	Prepared:	07/24/07
Batch#:	127571	Analyzed:	07/25/07

Field ID: SS-31(D)-GGW
Type: SAMPLE
Lab ID: 196163-001
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	89	61-134

Field ID: SS-123(F1)-GGW
Type: SAMPLE
Lab ID: 196163-002
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	101	61-134

Type: BLANK
Lab ID: QC397725
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	94	61-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	127571
Units:	ug/L	Prepared:	07/24/07
Diln Fac:	1.000	Analyzed:	07/25/07

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC397726

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,330	93	58-130

Surrogate	%REC	Limits
Hexacosane	99	61-134

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC397727

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,389	96	58-130	3	27

Surrogate	%REC	Limits
Hexacosane	100	61-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/23/07
Units:	mg/Kg	Received:	07/23/07
Basis:	as received	Prepared:	07/24/07
Batch#:	127577	Analyzed:	07/25/07

Field ID: SS-31(D)-25
Type: SAMPLE
Lab ID: 196163-003
Diln Fac: 1.000
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	85	40-127

Field ID: SS-31(D)-30
Type: SAMPLE
Lab ID: 196163-004
Diln Fac: 1.000
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	74	40-127

Field ID: SS-31(D)-40
Type: SAMPLE
Lab ID: 196163-005
Diln Fac: 1.000
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	77	40-127

Field ID: SS-31(D)-50.5
Type: SAMPLE
Lab ID: 196163-006
Diln Fac: 1.000
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	77	40-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/23/07
Units:	mg/Kg	Received:	07/23/07
Basis:	as received	Prepared:	07/24/07
Batch#:	127577	Analyzed:	07/25/07

Field ID: SS-31(D)-60.5
Type: SAMPLE
Lab ID: 196163-007
Diln Fac: 1.000
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	92	40-127

Field ID: SS-123(F1)-5.5
Type: SAMPLE
Lab ID: 196163-008
Diln Fac: 1.000
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	14 H Y	1.0
Motor Oil C24-C36	46 H L	5.0

Surrogate	%REC	Limits
Hexacosane	79	40-127

Field ID: SS-123(F1)-15.5
Type: SAMPLE
Lab ID: 196163-009
Diln Fac: 1.000
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	20 H Y	0.99
Motor Oil C24-C36	110 H L	5.0

Surrogate	%REC	Limits
Hexacosane	95	40-127

Field ID: SS-123(F2)-6
Type: SAMPLE
Lab ID: 196163-010
Diln Fac: 10.00
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	54 H Y	9.9
Motor Oil C24-C36	430 H L	50

Surrogate	%REC	Limits
Hexacosane	DO	40-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	07/23/07
Units:	mg/Kg	Received:	07/23/07
Basis:	as received	Prepared:	07/24/07
Batch#:	127577	Analyzed:	07/25/07

Field ID:	SS-123(F2)-11.5	Diln Fac:	5.000
Type:	SAMPLE	Cleanup Method:	EPA 3630C
Lab ID:	196163-011		

Analyte	Result	RL
Diesel C10-C24	35 H Y	5.0
Motor Oil C24-C36	290 H L	25

Surrogate	%REC	Limits
Hexacosane	82	40-127

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397747	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	73	40-127

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397748	Batch#:	127577
Matrix:	Soil	Prepared:	07/24/07
Units:	mg/Kg	Analyzed:	07/25/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.82	36.61	73	58-127

Surrogate	%REC	Limits
Hexacosane	72	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	SS-31(D)-50.5	Batch#:	127577
MSS Lab ID:	196163-006	Sampled:	07/23/07
Matrix:	Soil	Received:	07/23/07
Units:	mg/Kg	Prepared:	07/24/07
Basis:	as received	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC397749

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<0.1859	50.04	23.34	47	29-147

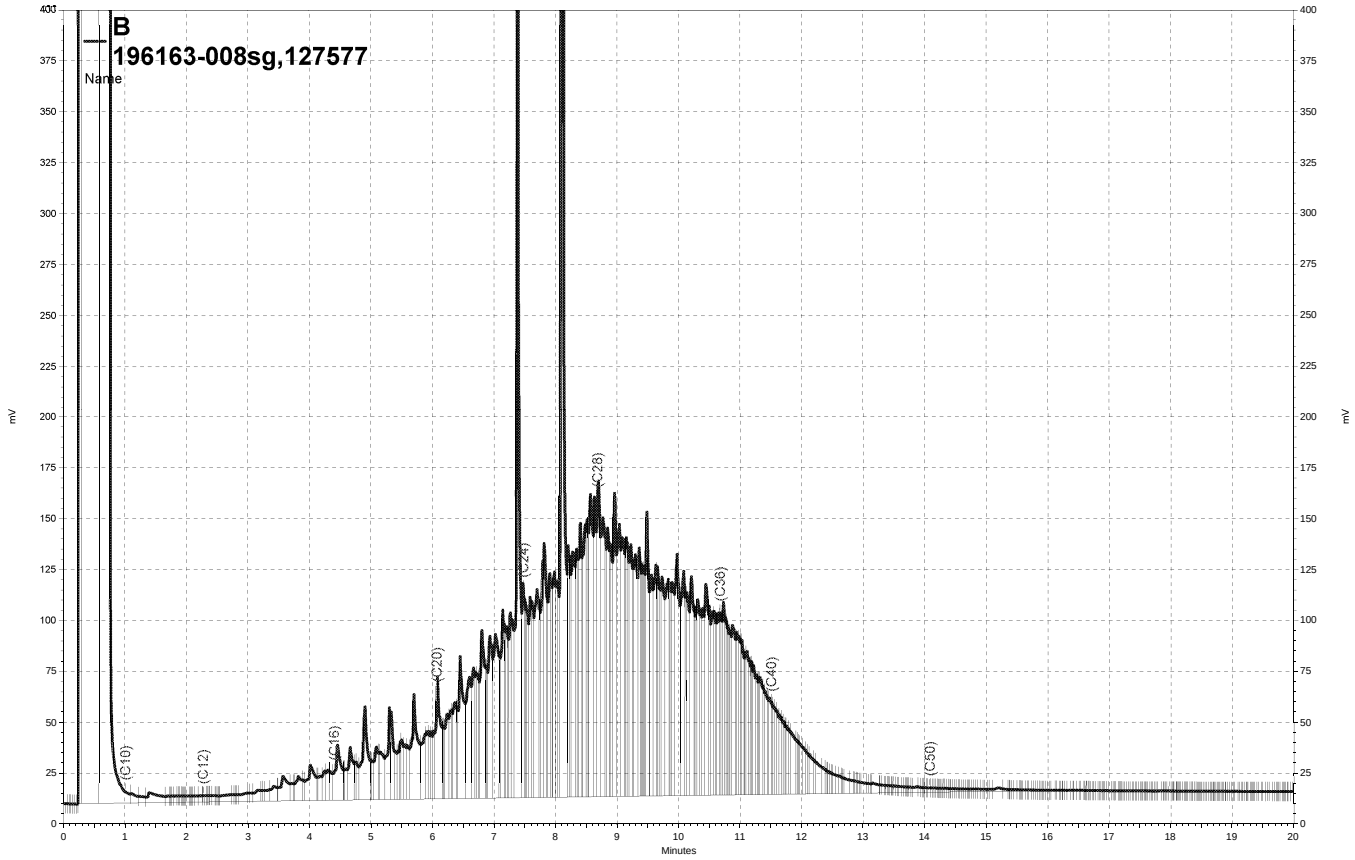
Surrogate	%REC	Limits
Hexacosane	47	40-127

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC397750

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.41	39.44	78	29-147	51 *	46

Surrogate	%REC	Limits
Hexacosane	78	40-127

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



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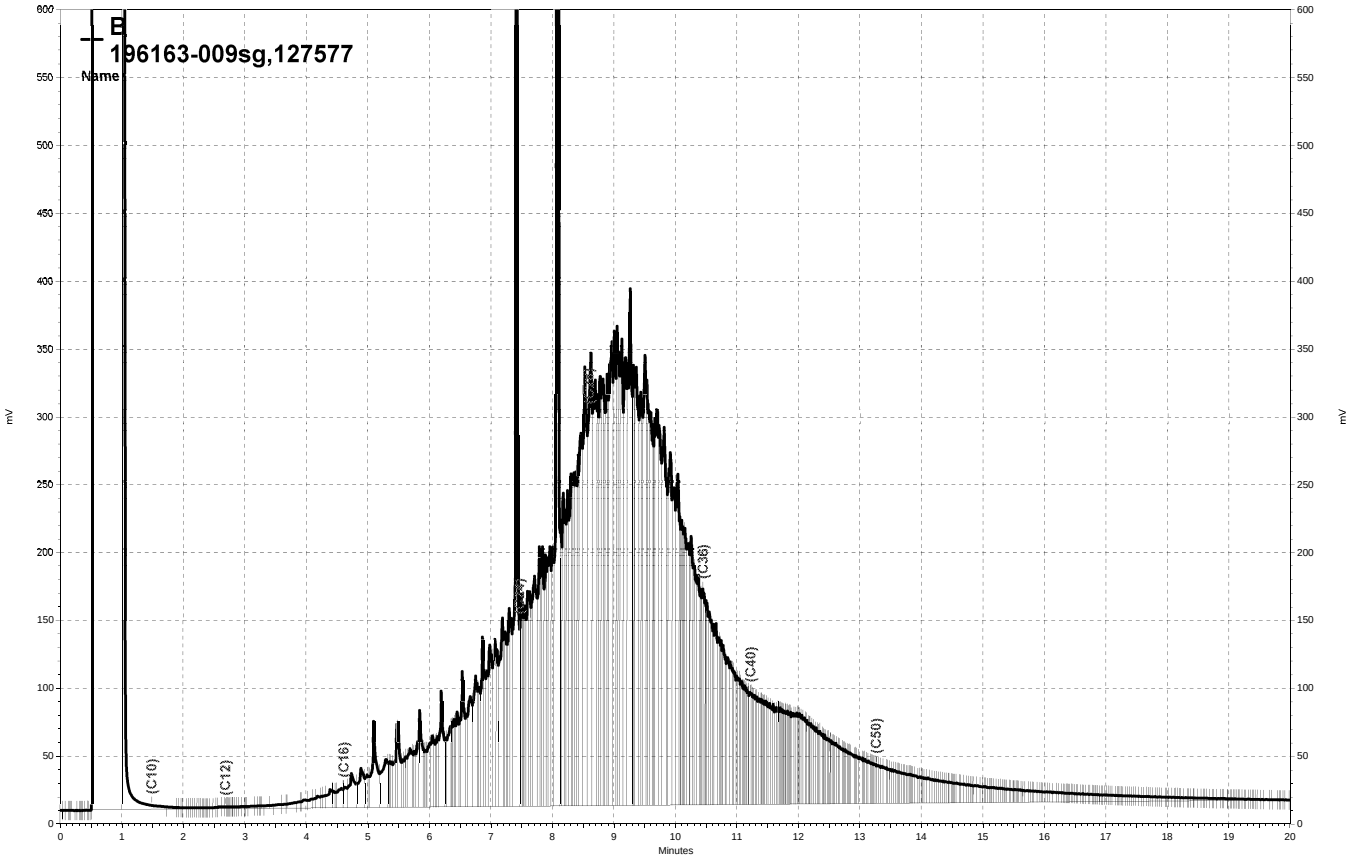

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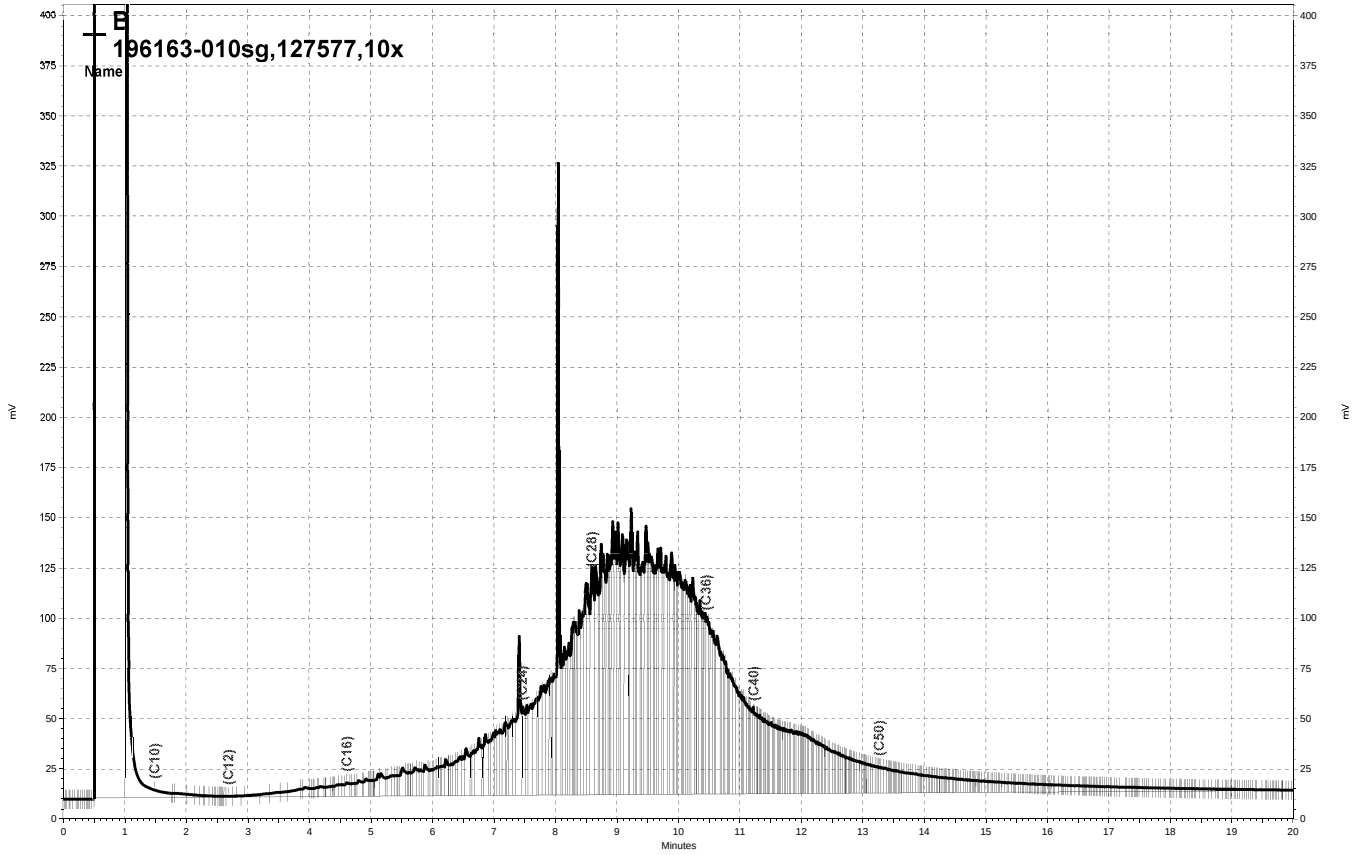

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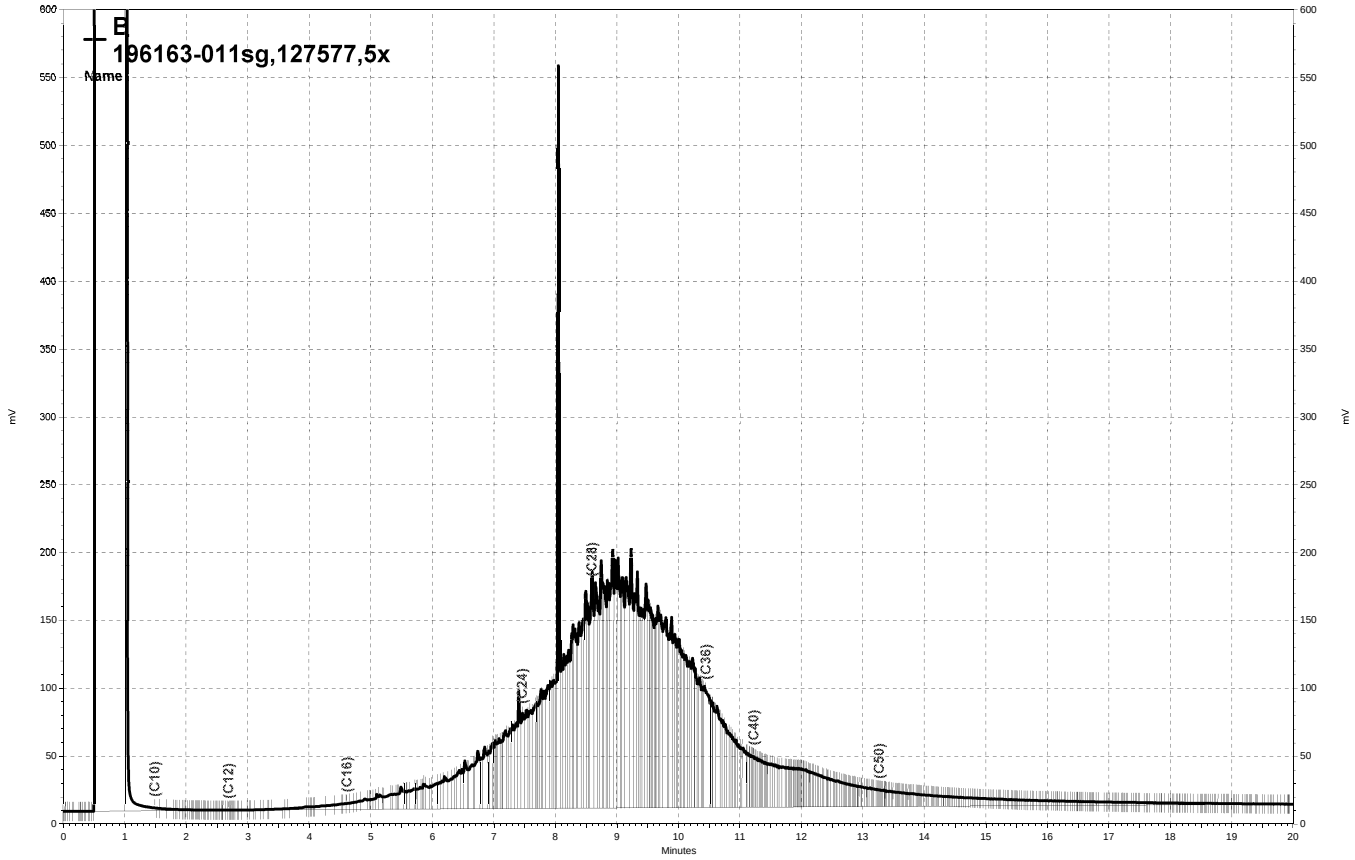

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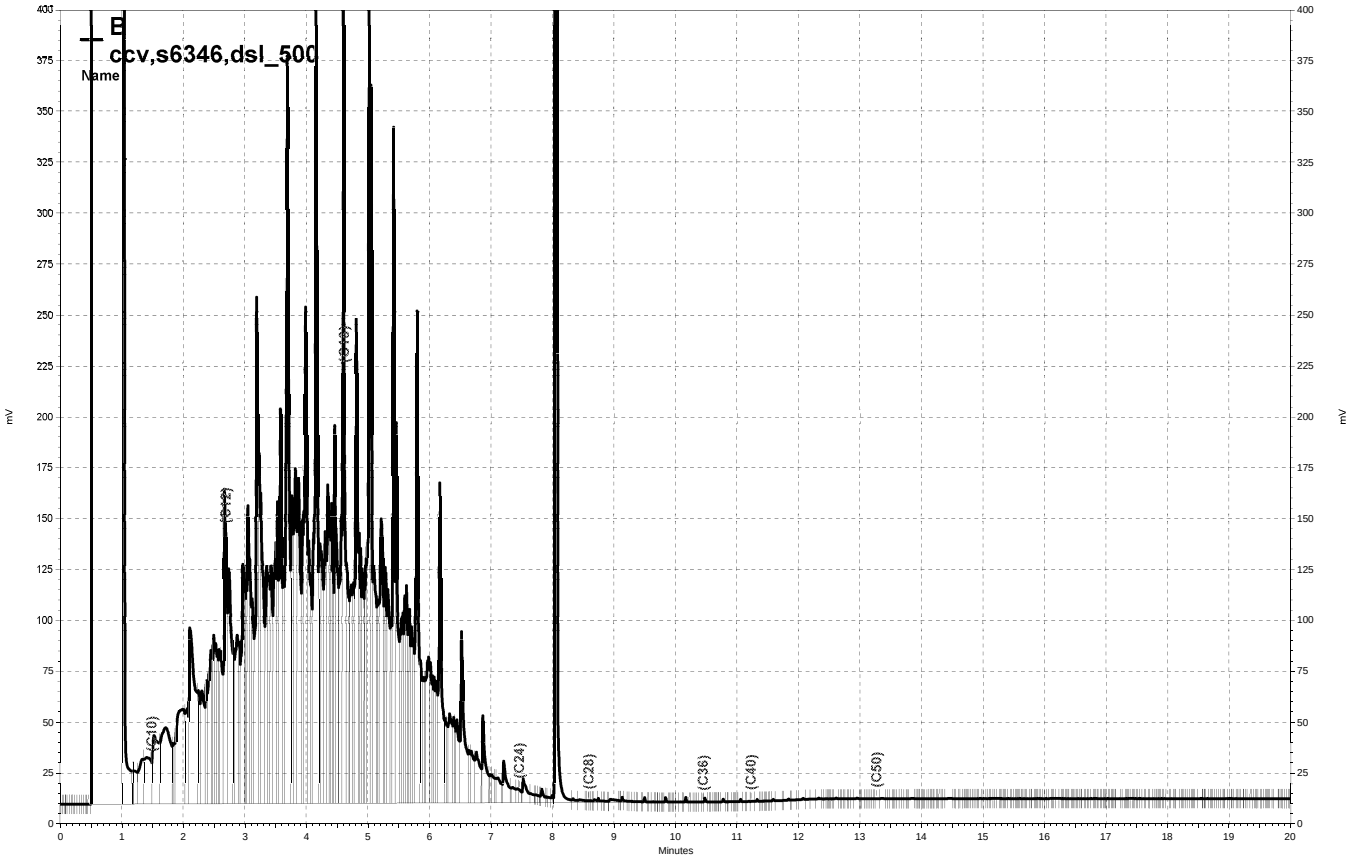

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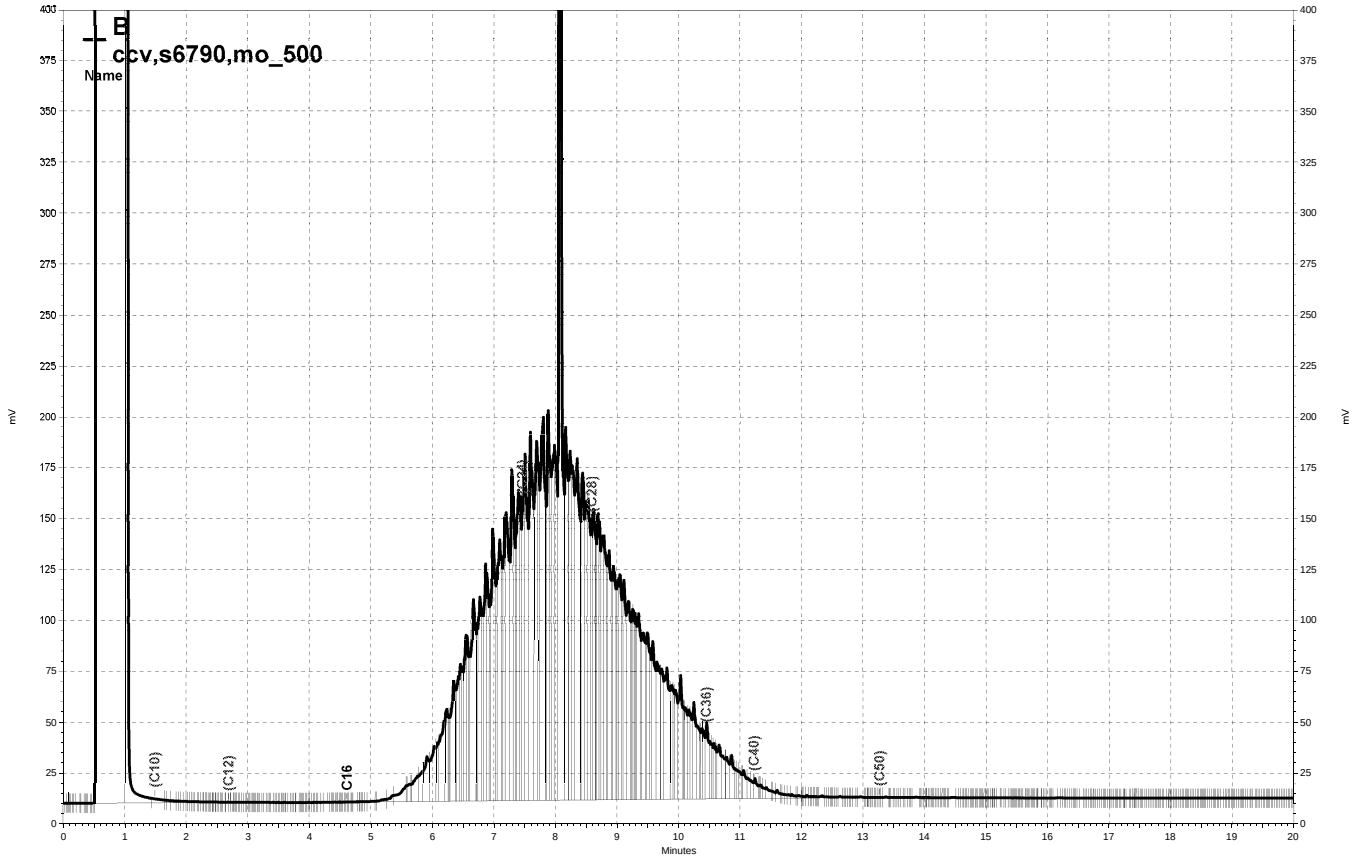

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Gasoline by GC/MS

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-GGW	Batch#:	127548
Lab ID:	196163-001	Sampled:	07/23/07
Matrix:	Water	Received:	07/23/07
Units:	ug/L	Analyzed:	07/24/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-GGW	Batch#:	127548
Lab ID:	196163-001	Sampled:	07/23/07
Matrix:	Water	Received:	07/23/07
Units:	ug/L	Analyzed:	07/24/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	104	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-123(F1)-GGW	Batch#:	127548
Lab ID:	196163-002	Sampled:	07/23/07
Matrix:	Water	Received:	07/23/07
Units:	ug/L	Analyzed:	07/24/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-123(F1)-GGW	Batch#:	127548
Lab ID:	196163-002	Sampled:	07/23/07
Matrix:	Water	Received:	07/23/07
Units:	ug/L	Analyzed:	07/24/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-123
1,2-Dichloroethane-d4	104	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	107	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127548
Units:	ug/L	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397639

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	113.4	91	68-132
Isopropyl Ether (DIPE)	25.00	21.18	85	65-120
Ethyl tert-Butyl Ether (ETBE)	25.00	21.52	86	75-124
Methyl tert-Amyl Ether (TAME)	25.00	26.02	104	77-120
1,1-Dichloroethene	25.00	26.02	104	80-132
Benzene	25.00	25.63	103	80-120
Trichloroethene	25.00	27.10	108	80-120
Toluene	25.00	26.95	108	80-120
Chlorobenzene	25.00	26.34	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	101	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC397640

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	112.6	90	68-132	1	20
Isopropyl Ether (DIPE)	25.00	19.99	80	65-120	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	20.37	81	75-124	5	20
Methyl tert-Amyl Ether (TAME)	25.00	24.22	97	77-120	7	20
1,1-Dichloroethene	25.00	24.08	96	80-132	8	20
Benzene	25.00	24.78	99	80-120	3	20
Trichloroethene	25.00	26.17	105	80-120	3	20
Toluene	25.00	25.93	104	80-120	4	20
Chlorobenzene	25.00	24.84	99	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	101	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127548
Units:	ug/L	Analyzed:	07/24/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397641

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,500	1,511	101	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-123
1,2-Dichloroethane-d4	103	79-134
Toluene-d8	102	80-120
Bromofluorobenzene	95	80-122

Type: BSD Lab ID: QC397642

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,500	1,440	96	70-130	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-123
1,2-Dichloroethane-d4	99	79-134
Toluene-d8	96	80-120
Bromofluorobenzene	97	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397643	Batch#:	127548
Matrix:	Water	Analyzed:	07/24/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397643	Batch#:	127548
Matrix:	Water	Analyzed:	07/24/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	90	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-25	Diln Fac:	1.000
Lab ID:	196163-003	Batch#:	127547
Matrix:	Soil	Sampled:	07/23/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-126
1,2-Dichloroethane-d4	98	76-135
Toluene-d8	96	80-120
Bromofluorobenzene	91	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-30	Diln Fac:	0.9434
Lab ID:	196163-004	Batch#:	127547
Matrix:	Soil	Sampled:	07/23/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	94
MTBE	ND	4.7
Isopropyl Ether (DIPE)	ND	4.7
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Methyl tert-Amyl Ether (TAME)	ND	4.7
Toluene	ND	4.7
1,2-Dibromoethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	94	78-126
1,2-Dichloroethane-d4	97	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	91	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-40	Diln Fac:	0.9804
Lab ID:	196163-005	Batch#:	127547
Matrix:	Soil	Sampled:	07/23/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	98
MTBE	ND	4.9
Isopropyl Ether (DIPE)	ND	4.9
Ethyl tert-Butyl Ether (ETBE)	ND	4.9
1,2-Dichloroethane	ND	4.9
Benzene	ND	4.9
Methyl tert-Amyl Ether (TAME)	ND	4.9
Toluene	ND	4.9
1,2-Dibromoethane	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-126
1,2-Dichloroethane-d4	97	76-135
Toluene-d8	96	80-120
Bromofluorobenzene	93	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-50.5	Diln Fac:	0.9091
Lab ID:	196163-006	Batch#:	127547
Matrix:	Soil	Sampled:	07/23/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	78-126
1,2-Dichloroethane-d4	97	76-135
Toluene-d8	96	80-120
Bromofluorobenzene	93	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-60.5	Diln Fac:	1.000
Lab ID:	196163-007	Batch#:	127547
Matrix:	Soil	Sampled:	07/23/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-126
1,2-Dichloroethane-d4	101	76-135
Toluene-d8	96	80-120
Bromofluorobenzene	95	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC397637	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127547
Units:	ug/Kg	Analyzed:	07/24/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	154.6	124	56-130
MTBE	25.00	25.73	103	66-120
Isopropyl Ether (DIPE)	25.00	23.17	93	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	23.59	94	68-120
1,2-Dichloroethane	25.00	29.08	116	73-120
Benzene	25.00	25.86	103	80-120
Methyl tert-Amyl Ether (TAME)	25.00	26.65	107	73-120
Toluene	25.00	26.60	106	80-120
1,2-Dibromoethane	25.00	26.38	106	80-120
Ethylbenzene	25.00	27.96	112	80-125
m,p-Xylenes	50.00	52.61	105	80-123
o-Xylene	25.00	26.12	104	80-122

Surrogate	%REC	Limits
Dibromofluoromethane	107	78-126
1,2-Dichloroethane-d4	118	76-135
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC397638	Diln Fac:	1.000
Matrix:	Soil	Batch#:	127547
Units:	ug/Kg	Analyzed:	07/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	78-126
1,2-Dichloroethane-d4	119	76-135
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	196163	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	SS-31(D)-40	Dil'n Fac:	0.9804
MSS Lab ID:	196163-005	Batch#:	127547
Matrix:	Soil	Sampled:	07/23/07
Units:	ug/Kg	Received:	07/23/07
Basis:	as received	Analyzed:	07/25/07

Type: MS Lab ID: QC397671

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<3.013	245.1	183.1	75	45-123
MTBE	<0.1879	49.02	37.58	77	55-120
Isopropyl Ether (DIPE)	<0.1696	49.02	36.34	74	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.08887	49.02	36.27	74	58-120
1,2-Dichloroethane	<0.1943	49.02	39.97	82	56-120
Benzene	<0.1351	49.02	42.71	87	61-122
Methyl tert-Amyl Ether (TAME)	<0.1769	49.02	42.18	86	60-120
Toluene	<0.5418	49.02	44.05	90	57-124
1,2-Dibromoethane	<0.2179	49.02	41.39	84	57-120
Ethylbenzene	<0.5715	49.02	45.63	93	55-129
m,p-Xylenes	<1.282	98.04	87.89	90	53-127
o-Xylene	<0.5054	49.02	44.61	91	54-127

Surrogate	%REC	Limits
Dibromofluoromethane	99	78-126
1,2-Dichloroethane-d4	99	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-126

Type: MSD Lab ID: QC397672

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	245.1	202.4	83	45-123	10	32
MTBE	49.02	36.76	75	55-120	2	20
Isopropyl Ether (DIPE)	49.02	34.44	70	50-120	5	20
Ethyl tert-Butyl Ether (ETBE)	49.02	34.41	70	58-120	5	20
1,2-Dichloroethane	49.02	37.09	76	56-120	7	20
Benzene	49.02	42.02	86	61-122	2	20
Methyl tert-Amyl Ether (TAME)	49.02	41.48	85	60-120	2	20
Toluene	49.02	43.66	89	57-124	1	21
1,2-Dibromoethane	49.02	39.26	80	57-120	5	20
Ethylbenzene	49.02	46.03	94	55-129	1	23
m,p-Xylenes	98.04	89.61	91	53-127	2	23
o-Xylene	49.02	44.18	90	54-127	1	22

Surrogate	%REC	Limits
Dibromofluoromethane	95	78-126
1,2-Dichloroethane-d4	96	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-126

RPD= Relative Percent Difference

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

Laboratory Job Number 196188

LFR Levine Fricke
1900 Powell Street
Emeryville, CA 94608

Project : 001-09567-02
Location : Hanson Radum
Level : II

Sample ID	Lab ID
SS-123(F2)-16.5	196188-001
SS-123(F2)-21	196188-002
SS-123(F2)-GGW	196188-003
SS-123(AA)-GGW	196188-004
SS-123(F3)-5.5	196188-005
SS-123(F3)-10.5	196188-006
SS-123(F3)-15.5	196188-007
SS-123(F3)-20.5	196188-008
SS-123(F3)-25.5	196188-009
SS-123(F3)-GGW	196188-010
SS-123(AA)-5.5	196188-011
SS-123(AA)-7.5	196188-012
SS-123(AA)-10.5	196188-013
SS-123(AA)-15.5	196188-014
SS-123(AA)-18	196188-015

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.

Signature: _____ Date: 07/30/2007
Project Manager

Signature: _____ Date: 07/31/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196188**
Client:	**LFR Levine Fricke**
Project:	**001-09567-02**
Location:	**Hanson Radum**
Request Date:	**07/24/07**
Samples Received:	**07/24/07**

This hardcopy data package contains sample and QC results for twelve soil samples and three water samples, requested for the above referenced project on 07/24/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/26/07.

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

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

Volatile Organics by GC/MS (EPA 8260B):
SS-123(F2)-GGW (lab # 196188-003) and SS-123(AA)-GGW (lab # 196188-004) had pH greater than 2. No other analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-02	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/24/07
Units:	ug/L	Received:	07/24/07
Diln Fac:	1.000	Prepared:	07/25/07
Batch#:	127596	Analyzed:	07/26/07

Field ID: SS-123(F2)-GGW
Type: SAMPLE
Lab ID: 196188-003
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	990 H Y	50
Motor Oil C24-C36	4,000 H L	300

Surrogate	%REC	Limits
Hexacosane	90	61-134

Field ID: SS-123(AA)-GGW
Type: SAMPLE
Lab ID: 196188-004
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	340 H Y	50
Motor Oil C24-C36	2,400 H L	300

Surrogate	%REC	Limits
Hexacosane	110	61-134

Field ID: SS-123(F3)-GGW
Type: SAMPLE
Lab ID: 196188-010
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	108	61-134

Type: BLANK
Lab ID: QC397819
Cleanup Method: EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	110	61-134

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-02	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	127596
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC397820

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,461	98	58-130

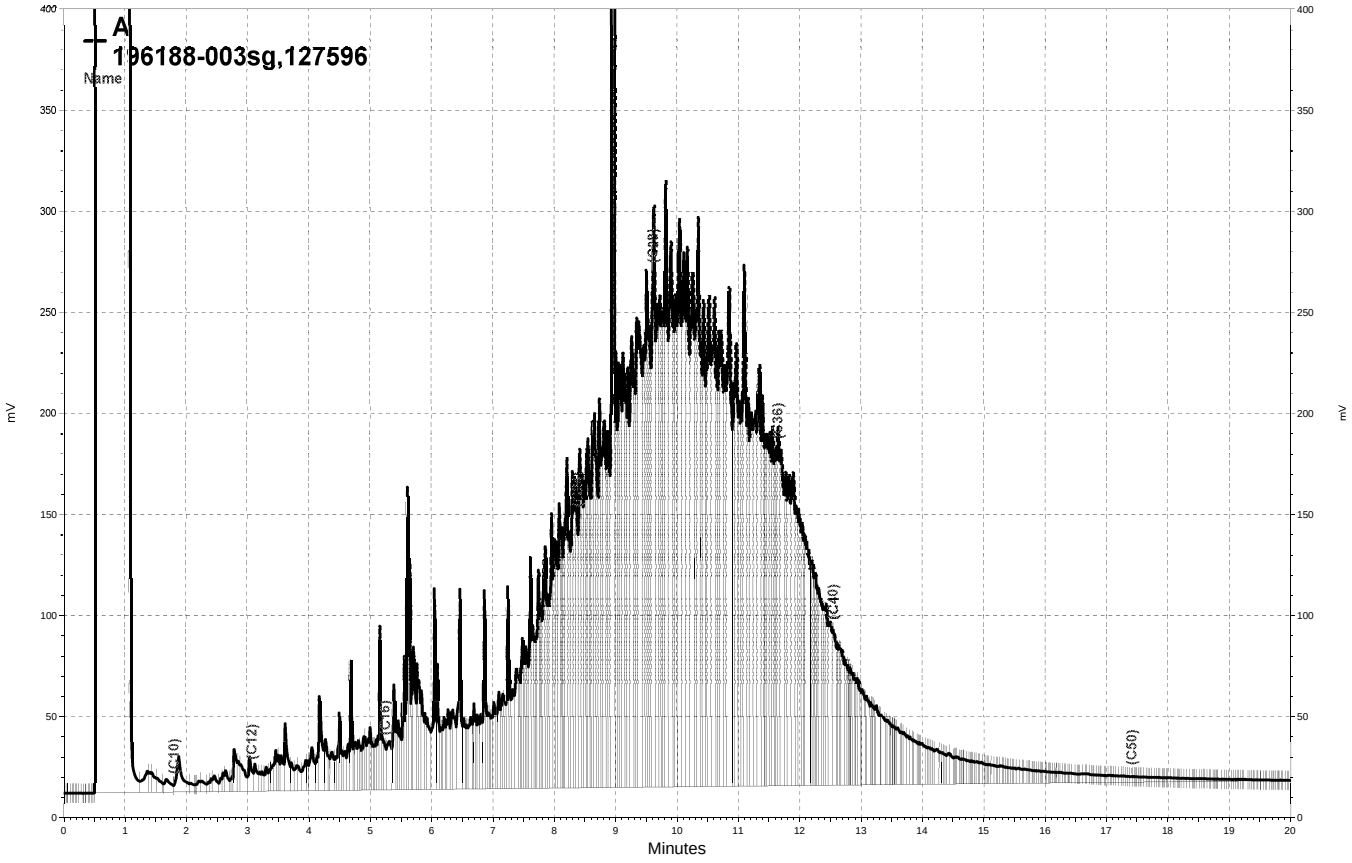
Surrogate	%REC	Limits
Hexacosane	115	61-134

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC397821

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,634	105	58-130	7	27

Surrogate	%REC	Limits
Hexacosane	124	61-134

RPD= Relative Percent Difference



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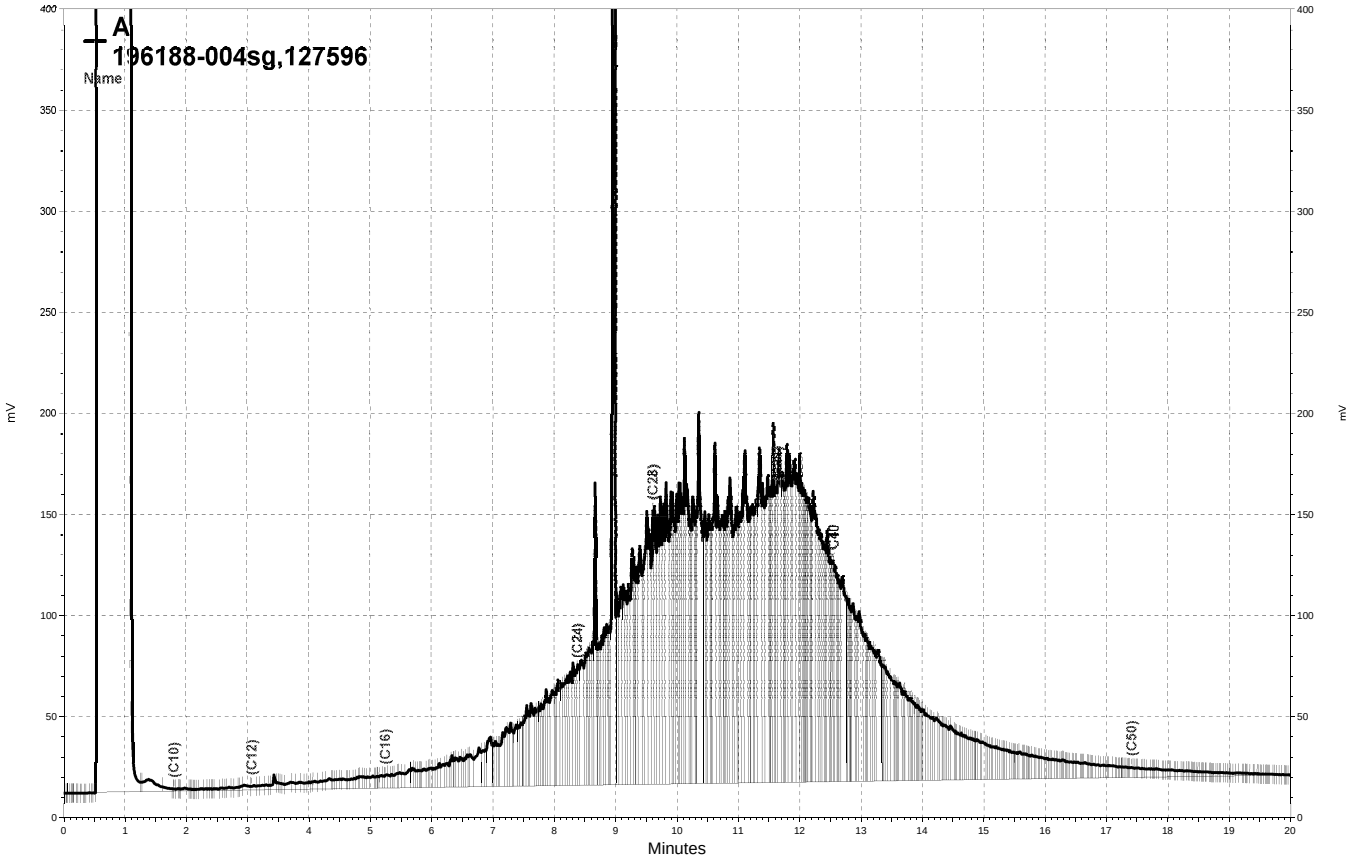

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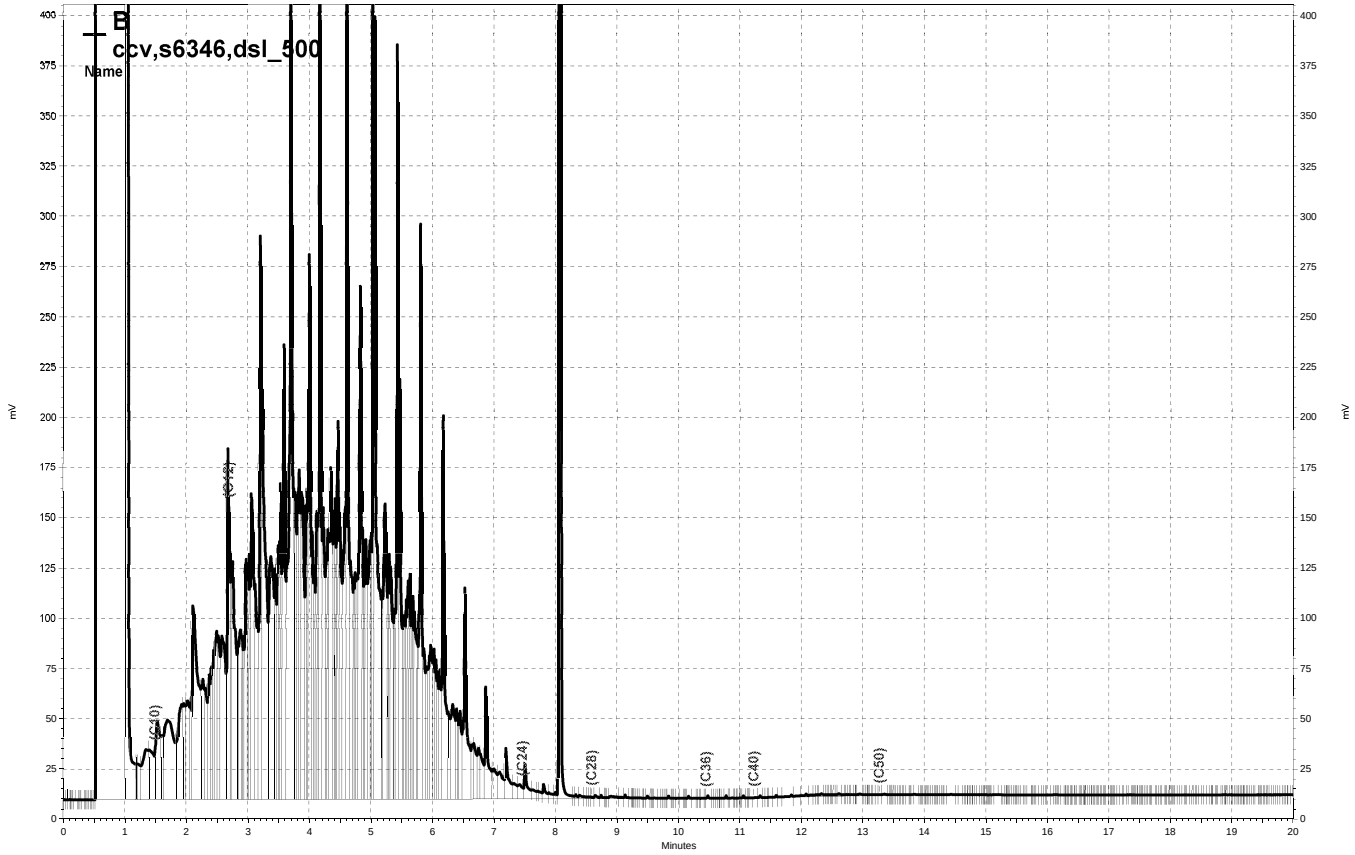

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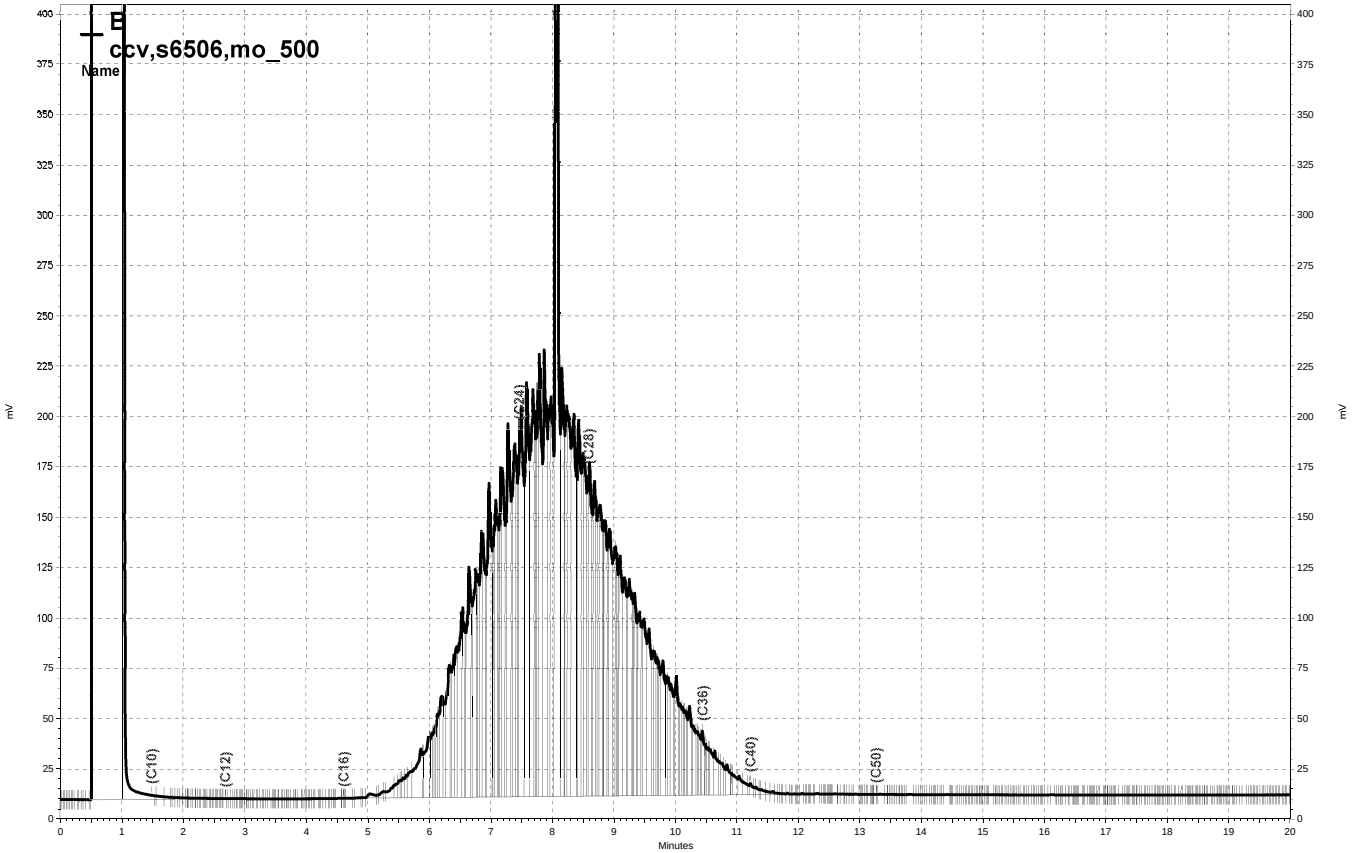

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Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-02	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127616
Units:	mg/Kg	Received:	07/24/07
Basis:	as received	Prepared:	07/25/07

Field ID:	SS-123(F2)-16.5	Sampled:	07/23/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-001	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	27 H Y	0.99
Motor Oil C24-C36	120 H L	5.0

Surrogate	%REC	Limits
Hexacosane	93	40-127

Field ID:	SS-123(F2)-21	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-002	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	10 H Y	0.99
Motor Oil C24-C36	29 H L	5.0

Surrogate	%REC	Limits
Hexacosane	87	40-127

Field ID:	SS-123(F3)-5.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-005	Cleanup Method:	EPA 3630C
Diln Fac:	20.00		

Analyte	Result	RL
Diesel C10-C24	83 H Y	20
Motor Oil C24-C36	970 H	100

Surrogate	%REC	Limits
Hexacosane	DO	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-02	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127616
Units:	mg/Kg	Received:	07/24/07
Basis:	as received	Prepared:	07/25/07

Field ID:	SS-123(F3)-10.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-006	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	3.3 H Y	1.0
Motor Oil C24-C36	39 H	5.0

Surrogate	%REC	Limits
Hexacosane	95	40-127

Field ID:	SS-123(F3)-15.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-007	Cleanup Method:	EPA 3630C
Diln Fac:	10.00		

Analyte	Result	RL
Diesel C10-C24	19 H Y	10
Motor Oil C24-C36	270 H	50

Surrogate	%REC	Limits
Hexacosane	DO	40-127

Field ID:	SS-123(F3)-20.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-008	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	82	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-02	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127616
Units:	mg/Kg	Received:	07/24/07
Basis:	as received	Prepared:	07/25/07

Field ID:	SS-123(F3)-25.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-009	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	1.5 H Y Z	1.0
Motor Oil C24-C36	8.2 H	5.0

Surrogate	%REC	Limits
Hexacosane	82	40-127

Field ID:	SS-123(AA)-5.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-011	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	1.6 H Y	1.0
Motor Oil C24-C36	15 H	5.0

Surrogate	%REC	Limits
Hexacosane	78	40-127

Field ID:	SS-123(AA)-7.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/25/07
Lab ID:	196188-012	Cleanup Method:	EPA 3630C
Diln Fac:	20.00		

Analyte	Result	RL
Diesel C10-C24	89 H Y	20
Motor Oil C24-C36	810 H	99

Surrogate	%REC	Limits
Hexacosane	DO	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-02	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127616
Units:	mg/Kg	Received:	07/24/07
Basis:	as received	Prepared:	07/25/07

Field ID:	SS-123(AA)-10.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/26/07
Lab ID:	196188-013	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	1.9 H Y Z	1.0
Motor Oil C24-C36	11 H	5.0

Surrogate	%REC	Limits
Hexacosane	75	40-127

Field ID:	SS-123(AA)-15.5	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/25/07
Lab ID:	196188-014	Cleanup Method:	EPA 3630C
Diln Fac:	10.00		

Analyte	Result	RL
Diesel C10-C24	39 H Y	10
Motor Oil C24-C36	450 H	50

Surrogate	%REC	Limits
Hexacosane	DO	40-127

Field ID:	SS-123(AA)-18	Sampled:	07/24/07
Type:	SAMPLE	Analyzed:	07/25/07
Lab ID:	196188-015	Cleanup Method:	EPA 3630C
Diln Fac:	50.00		

Analyte	Result	RL
Diesel C10-C24	170 H Y	50
Motor Oil C24-C36	1,500 H	250

Surrogate	%REC	Limits
Hexacosane	DO	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-02	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	127616
Units:	mg/Kg	Received:	07/24/07
Basis:	as received	Prepared:	07/25/07

Type:	BLANK	Analyzed:	07/25/07
Lab ID:	QC397896	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	66	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-02	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC397897	Batch#:	127616
Matrix:	Soil	Prepared:	07/25/07
Units:	mg/Kg	Analyzed:	07/25/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.85	38.76	78	58-127

Surrogate	%REC	Limits
Hexacosane	80	40-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	SHAKER TABLE
Project#:	001-09567-02	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127616
MSS Lab ID:	196197-007	Sampled:	07/24/07
Matrix:	Soil	Received:	07/25/07
Units:	mg/Kg	Prepared:	07/25/07
Basis:	as received	Analyzed:	07/26/07
Diln Fac:	1.000		

Type: MS Lab ID: QC397898

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	6.942	49.91	48.64	84	29-147

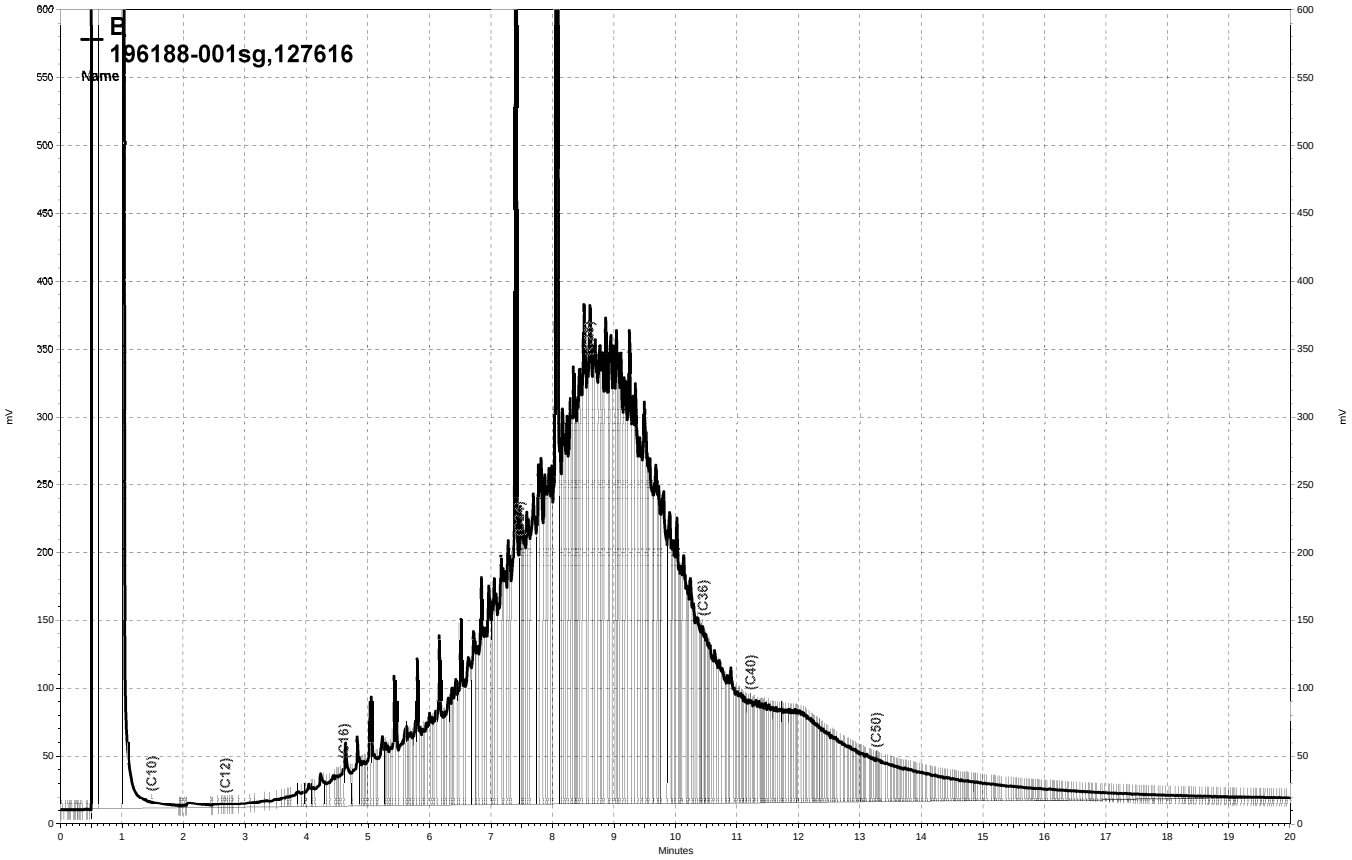
Surrogate	%REC	Limits
Hexacosane	98	40-127

Type: MSD Lab ID: QC397899

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.88	54.94	96	29-147	12	46

Surrogate	%REC	Limits
Hexacosane	107	40-127

RPD= Relative Percent Difference



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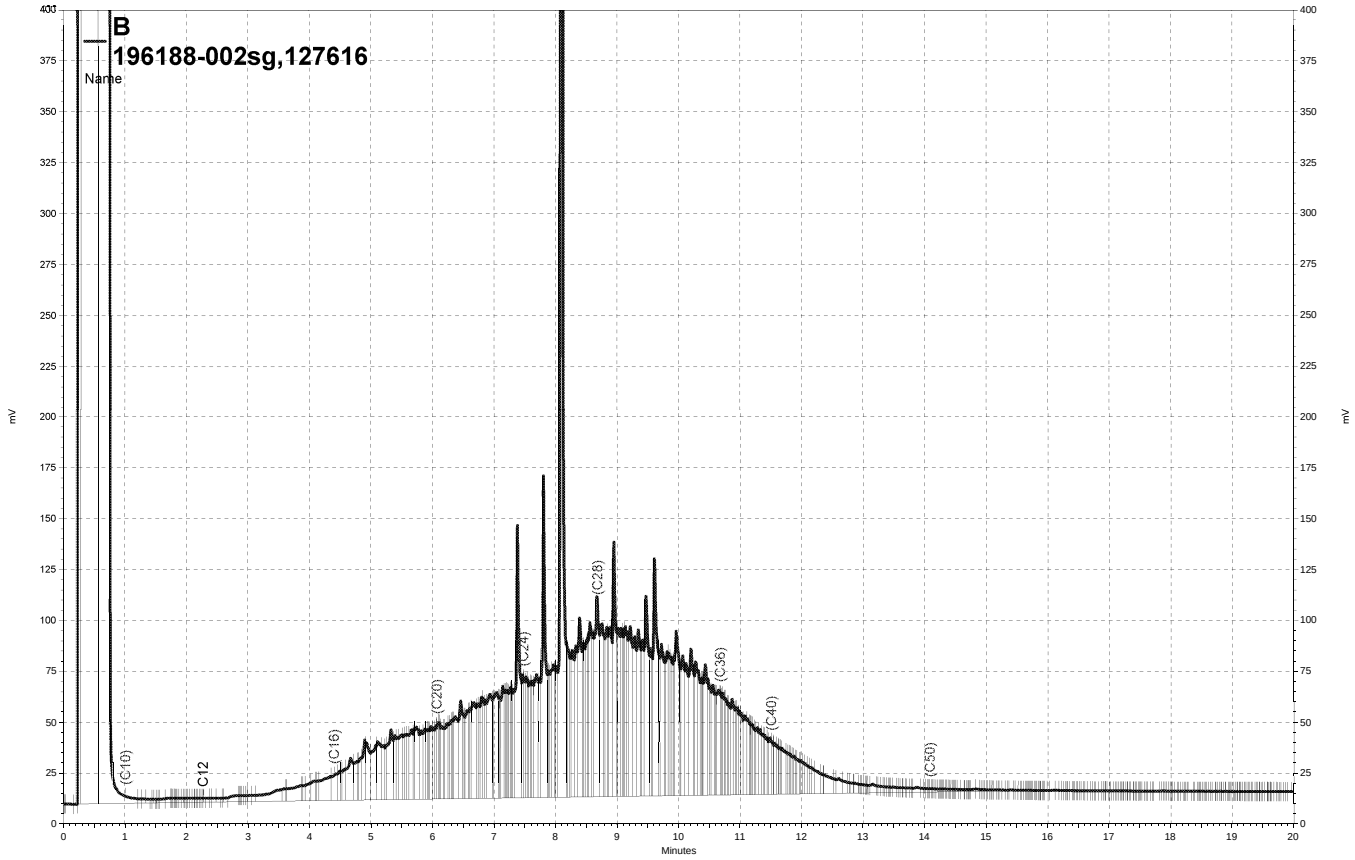

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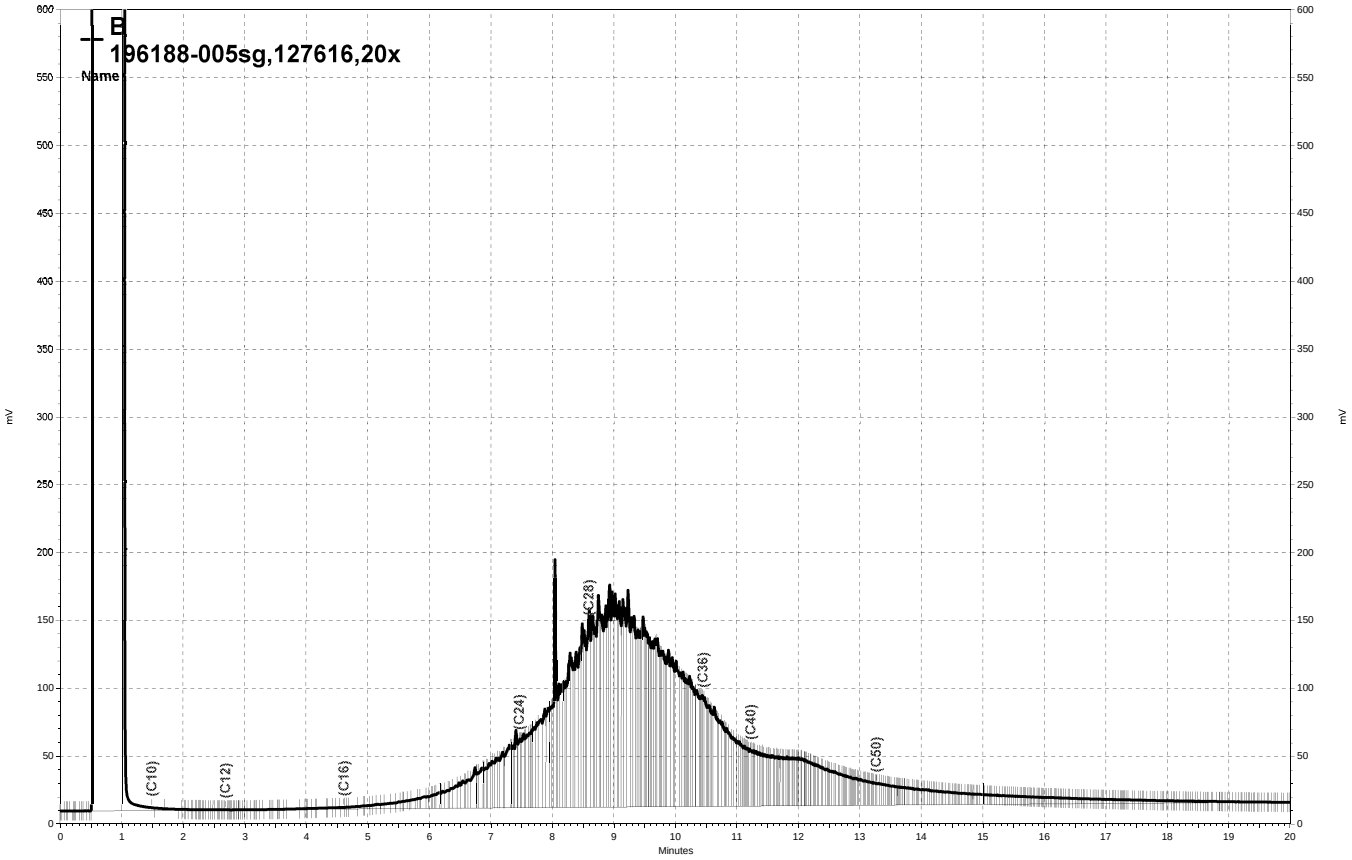

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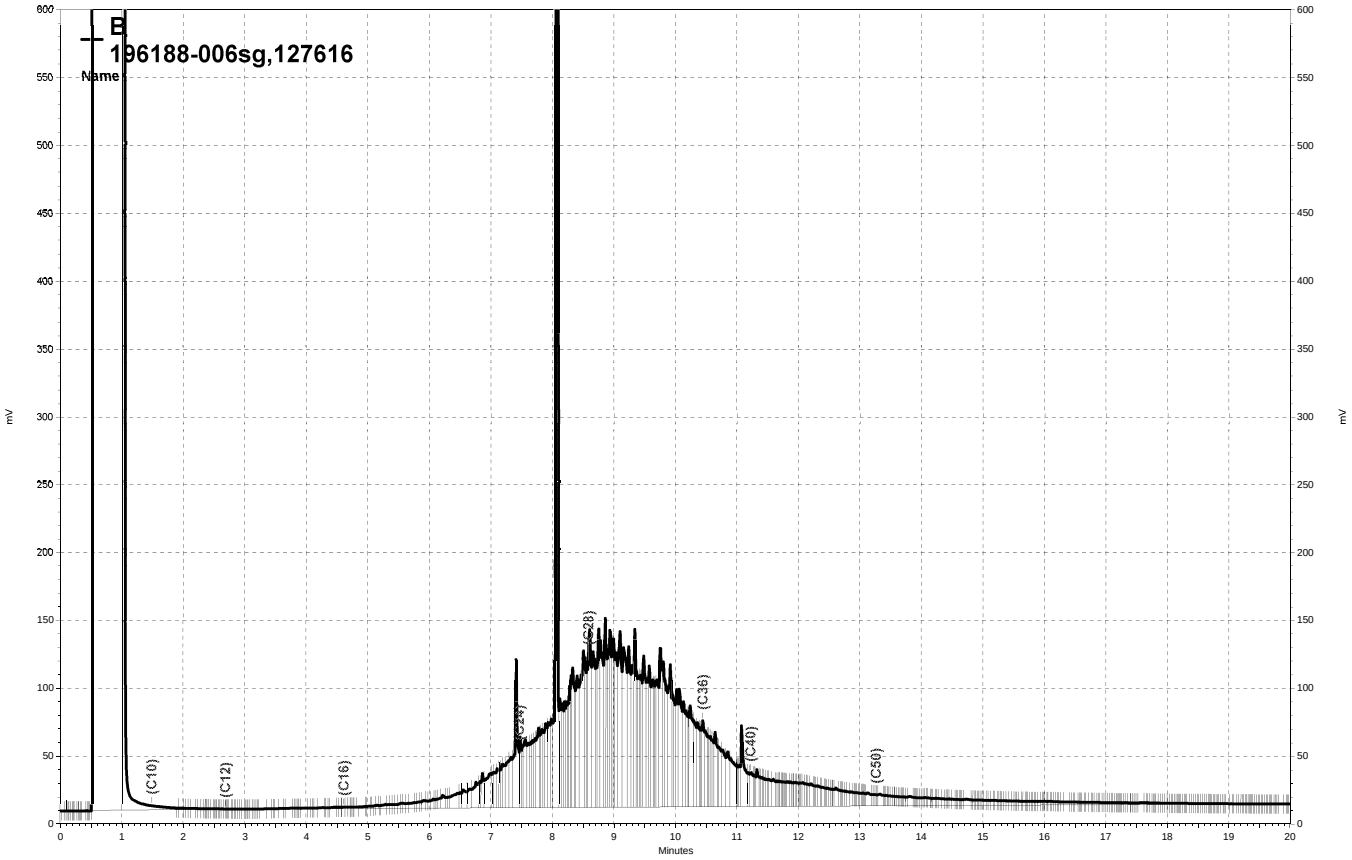

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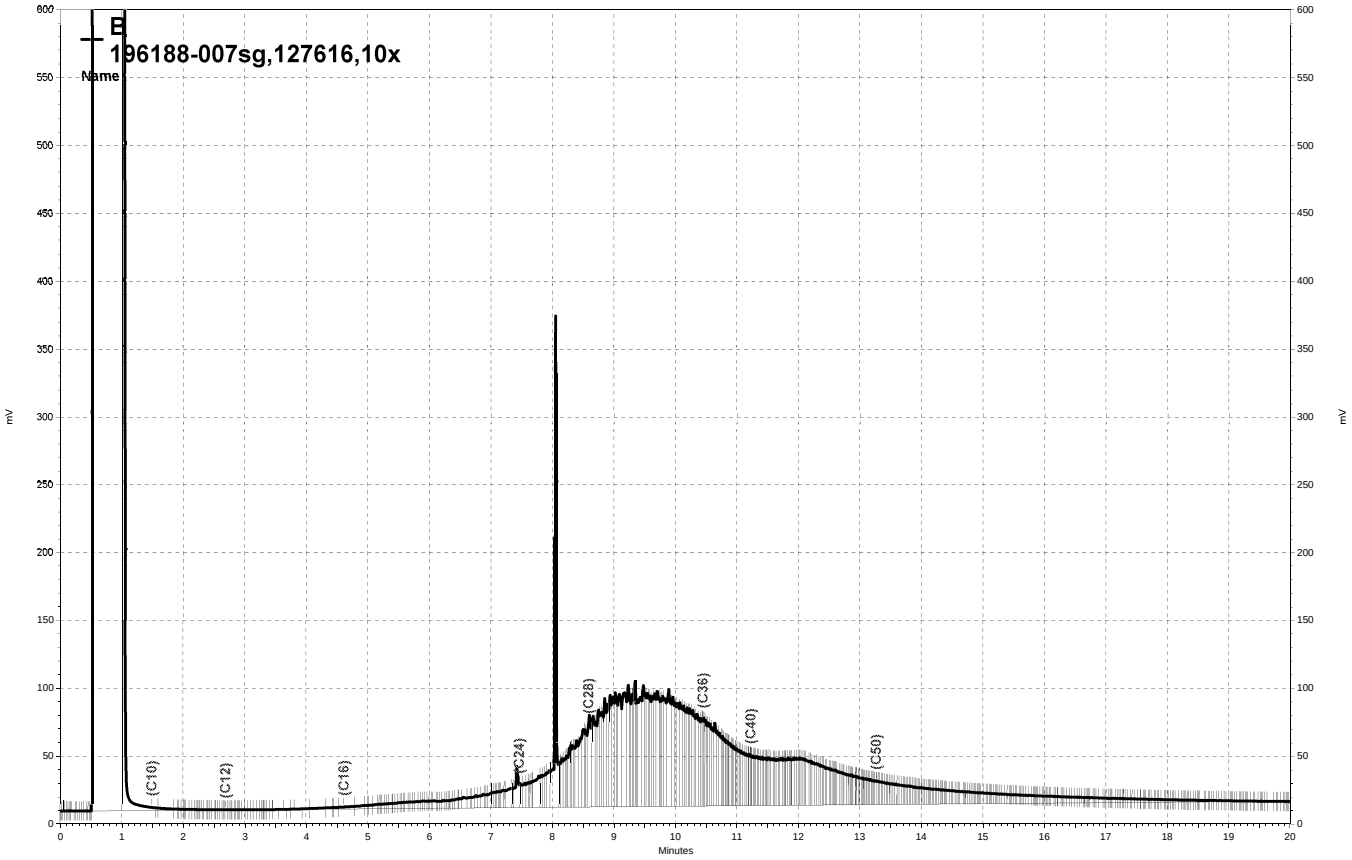

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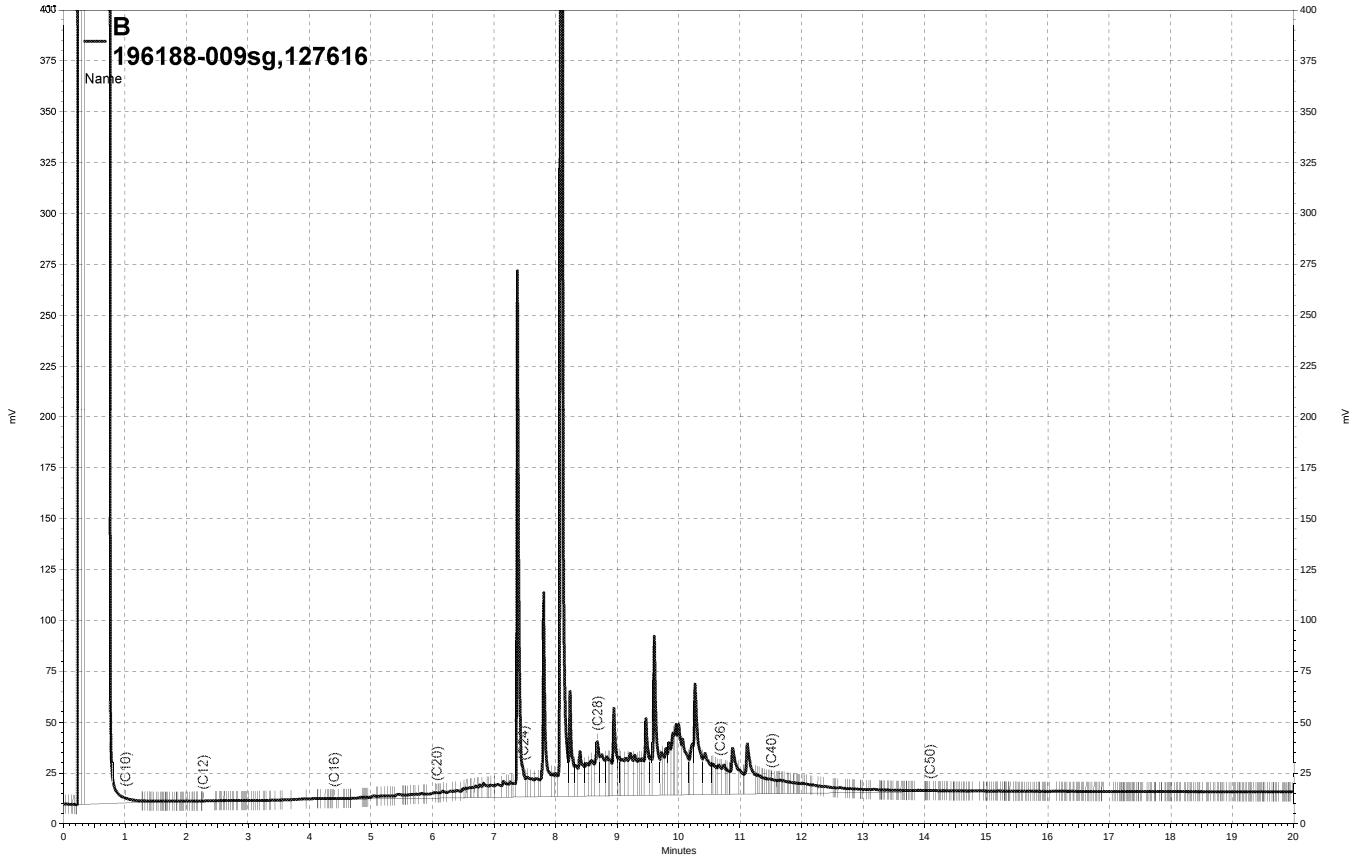

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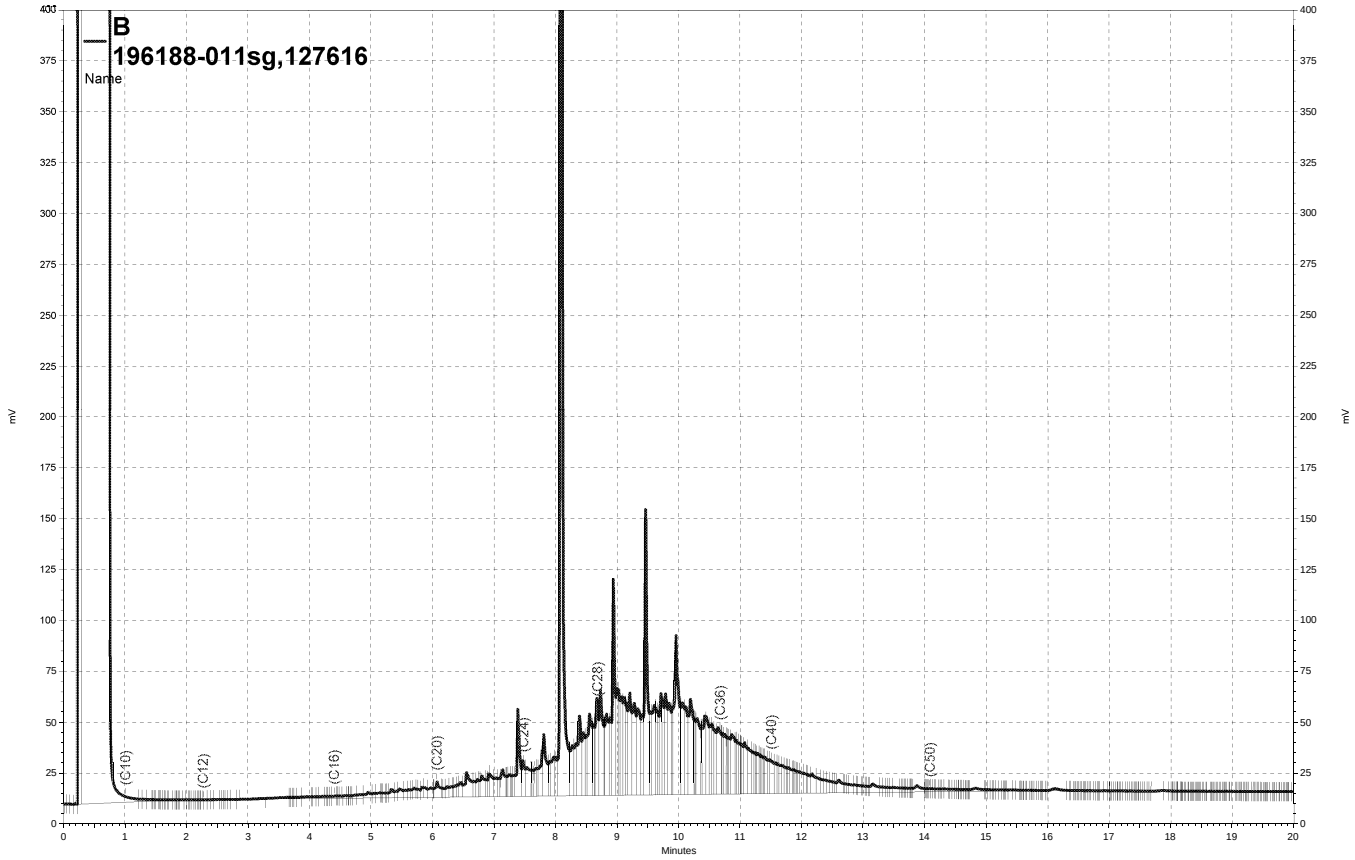

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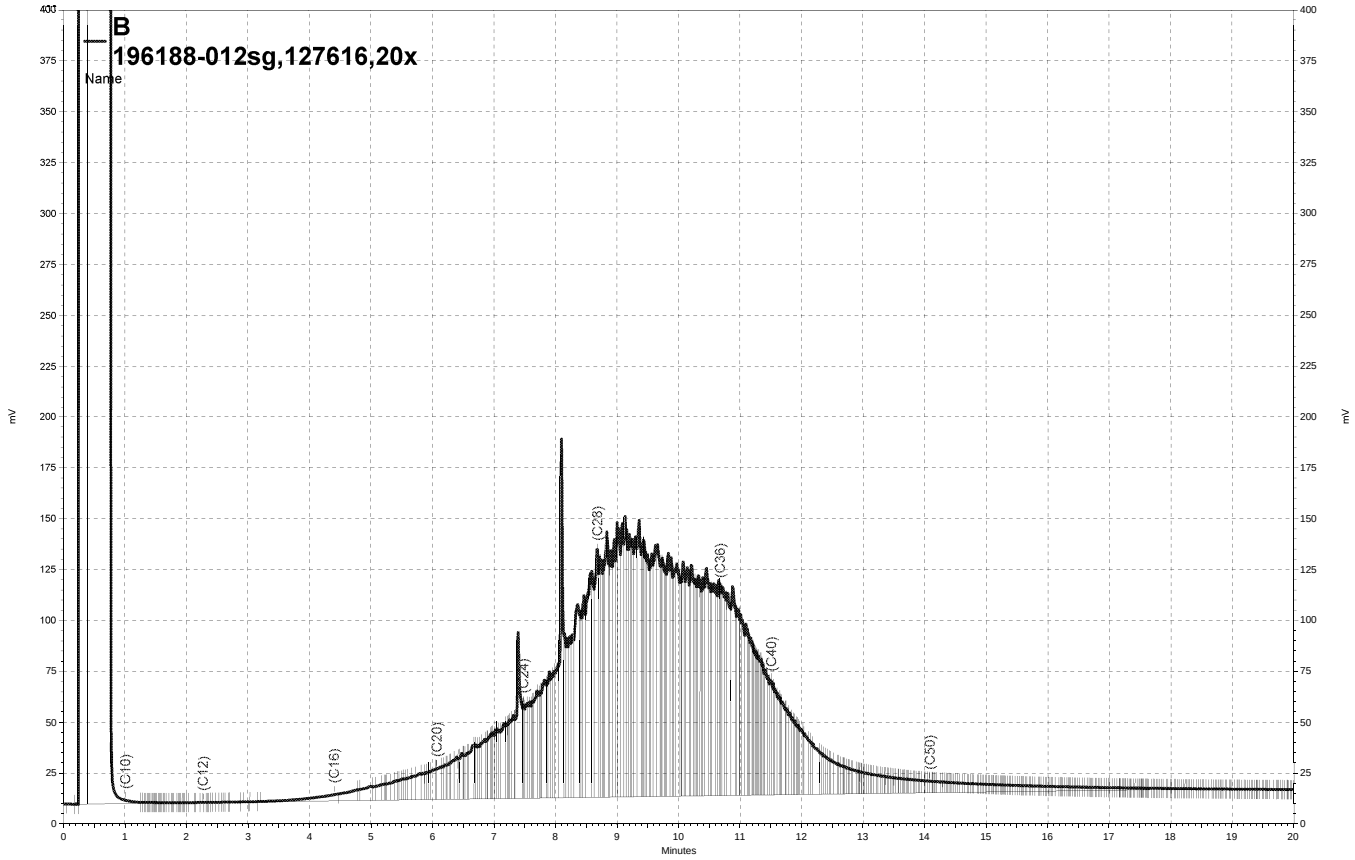

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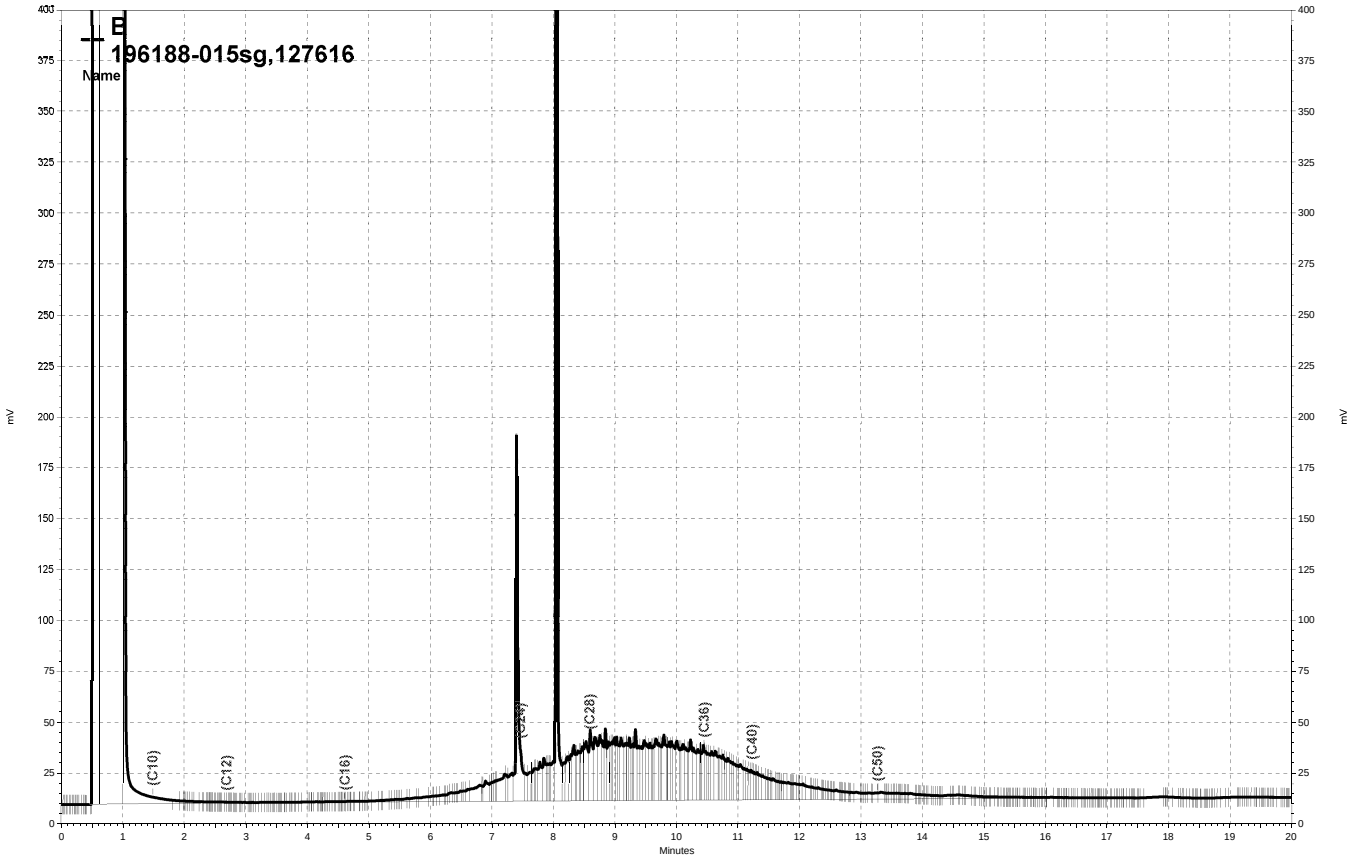

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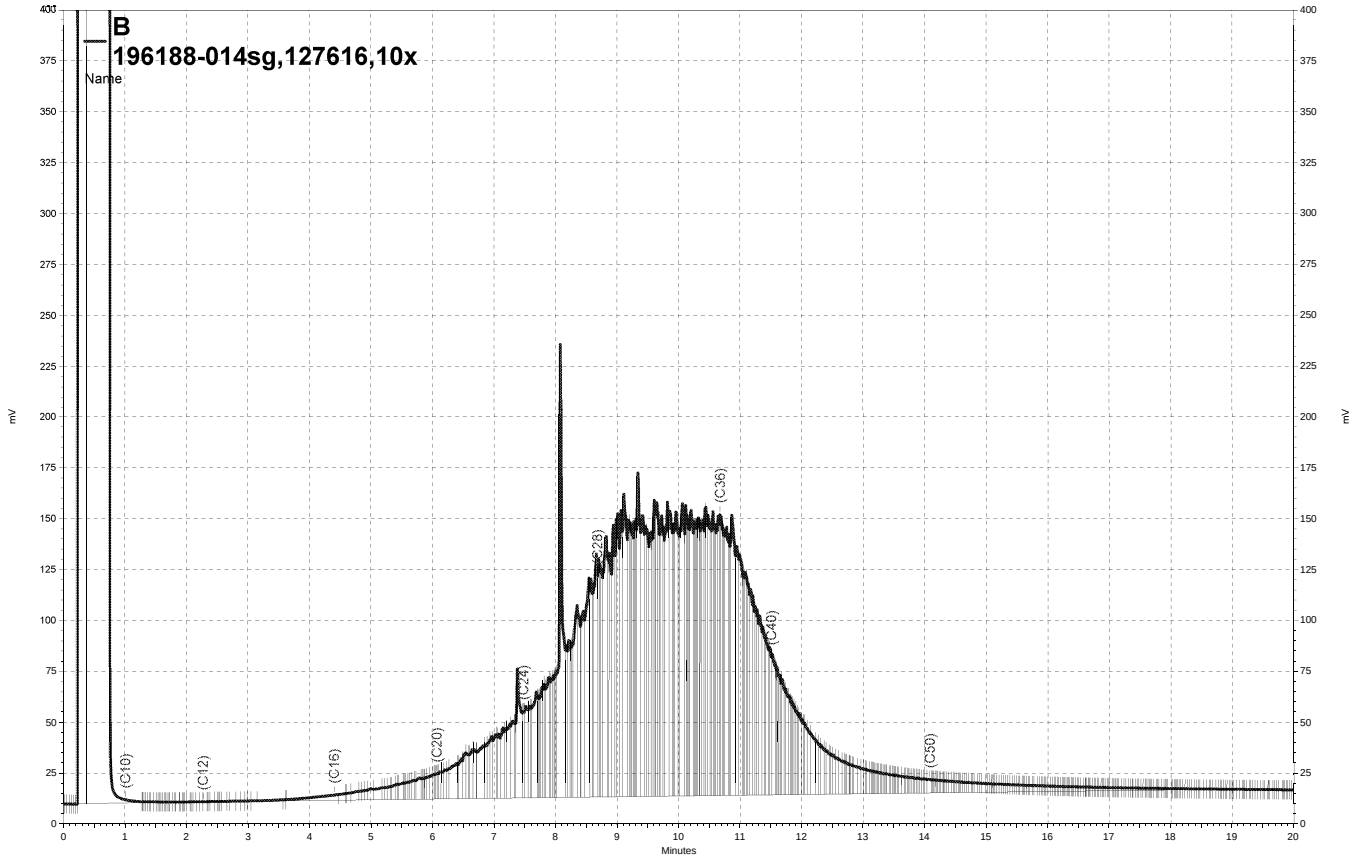

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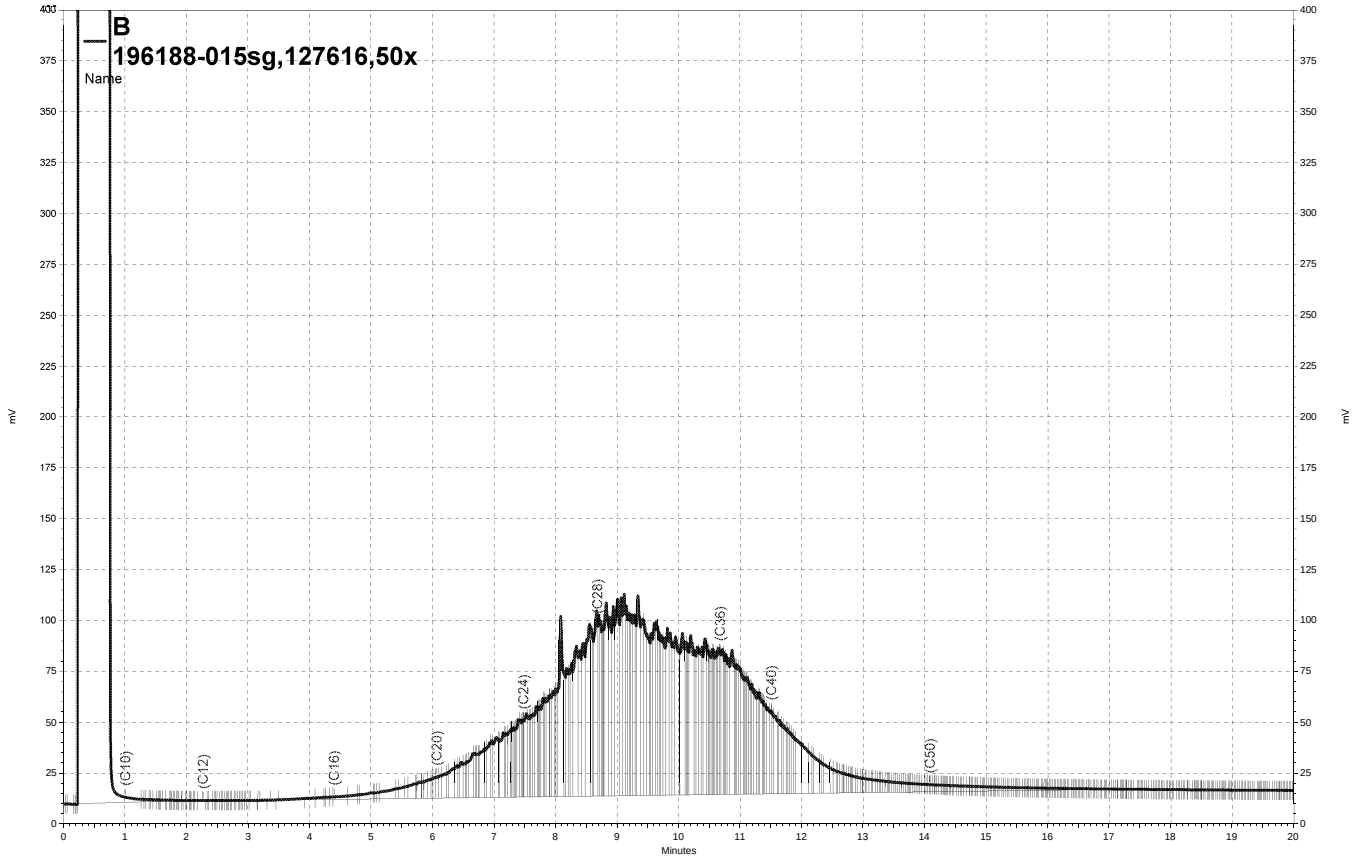

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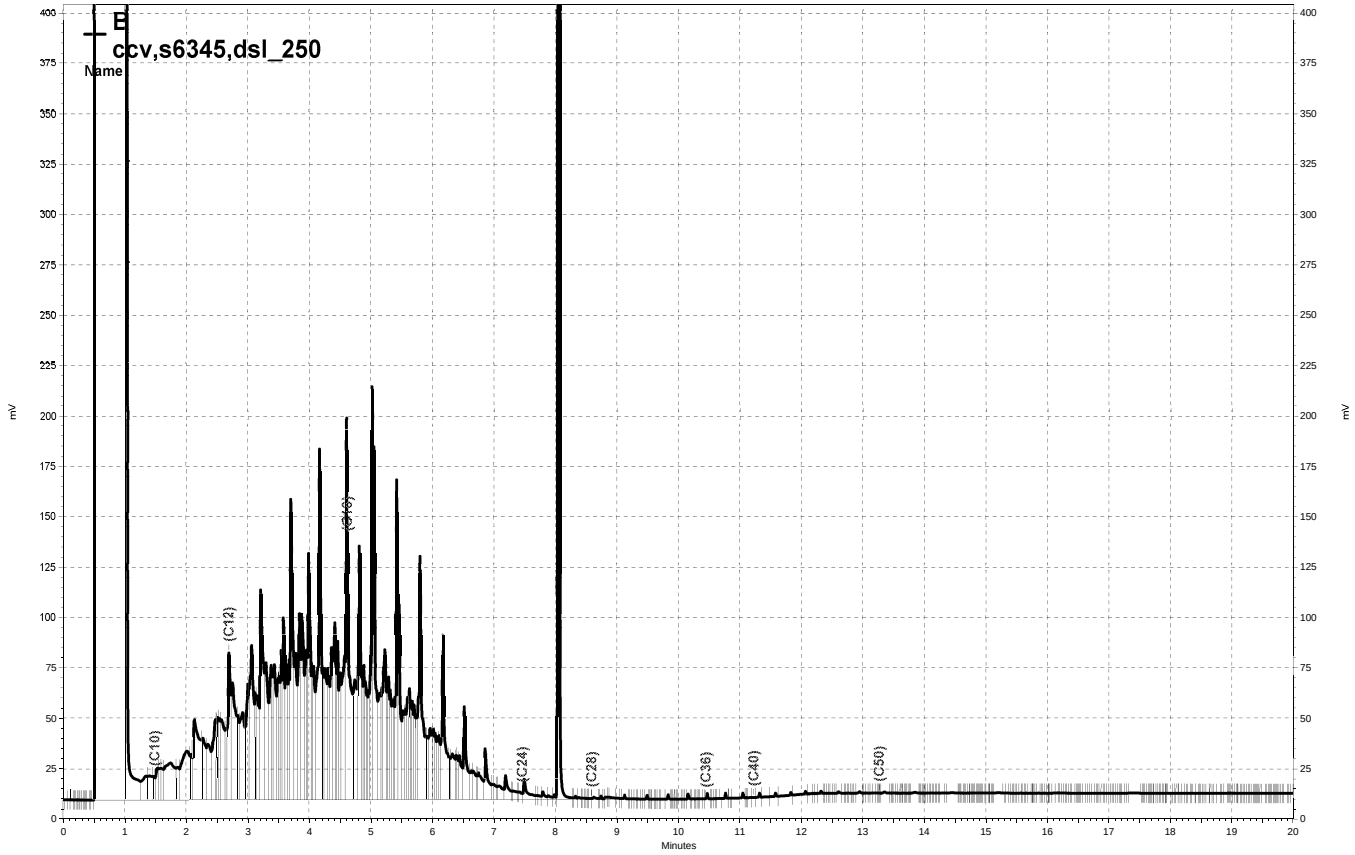

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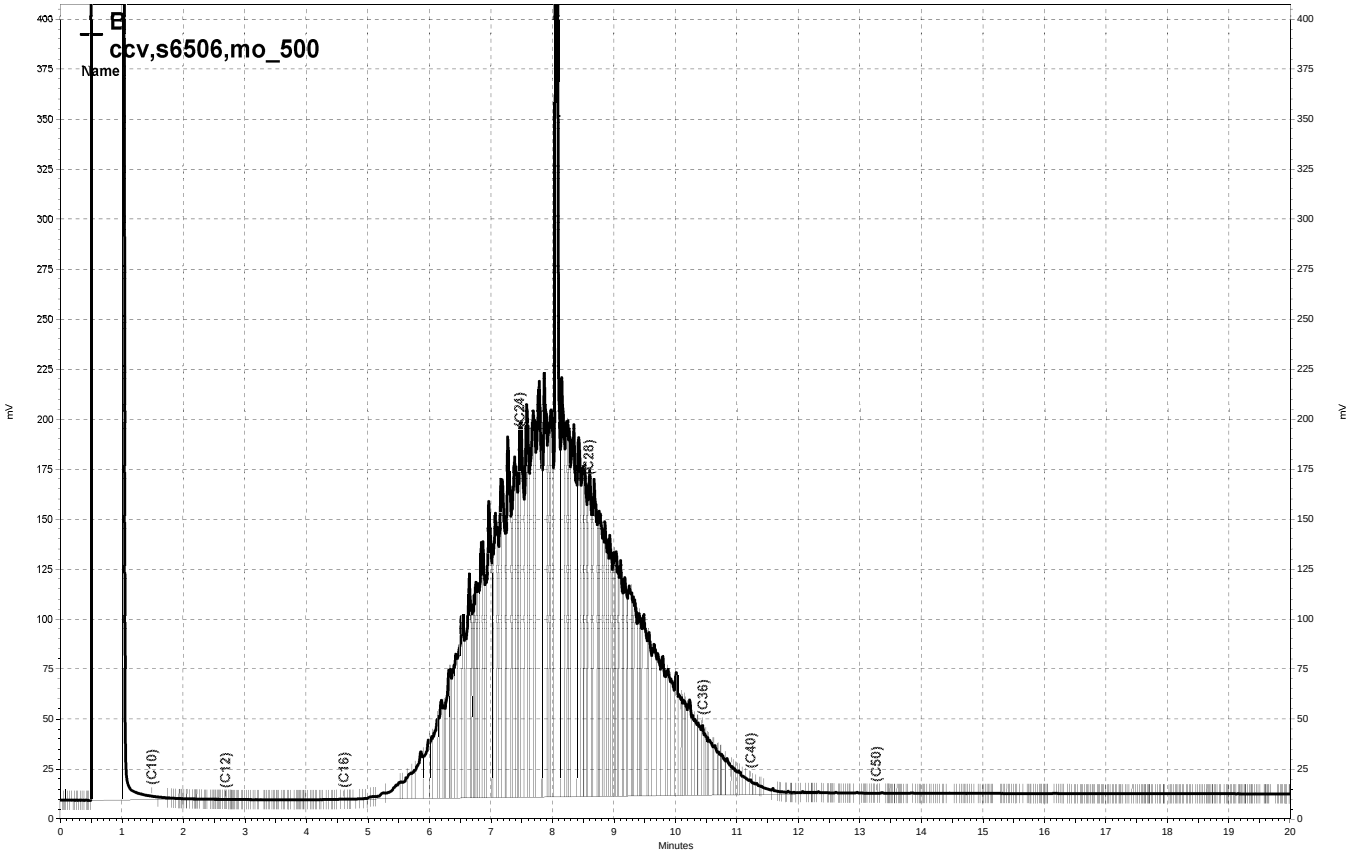

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Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Field ID:	SS-123(F2)-GGW	Batch#:	127594
Lab ID:	196188-003	Sampled:	07/24/07
Matrix:	Water	Received:	07/24/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	0.5	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	2.2	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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Field ID:	SS-123(F2)-GGW	Batch#:	127594
Lab ID:	196188-003	Sampled:	07/24/07
Matrix:	Water	Received:	07/24/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.7	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	0.7	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	0.5
Naphthalene	4.6	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	103	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Field ID:	SS-123(AA)-GGW	Batch#:	127594
Lab ID:	196188-004	Sampled:	07/24/07
Matrix:	Water	Received:	07/24/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Field ID:	SS-123(AA)-GGW	Batch#:	127594
Lab ID:	196188-004	Sampled:	07/24/07
Matrix:	Water	Received:	07/24/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	105	79-134
Toluene-d8	96	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Field ID:	SS-123(F3)-GGW	Batch#:	127594
Lab ID:	196188-010	Sampled:	07/24/07
Matrix:	Water	Received:	07/24/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Field ID:	SS-123(F3)-GGW	Batch#:	127594
Lab ID:	196188-010	Sampled:	07/24/07
Matrix:	Water	Received:	07/24/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	105	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127594
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397811

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	112.2	90	68-132
Isopropyl Ether (DIPE)	25.00	19.99	80	65-120
Ethyl tert-Butyl Ether (ETBE)	25.00	20.71	83	75-124
Methyl tert-Amyl Ether (TAME)	25.00	24.56	98	77-120
1,1-Dichloroethene	25.00	24.16	97	80-132
Benzene	25.00	25.20	101	80-120
Trichloroethene	25.00	25.59	102	80-120
Toluene	25.00	27.12	108	80-120
Chlorobenzene	25.00	25.47	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	103	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC397812

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	106.4	85	68-132	5	20
Isopropyl Ether (DIPE)	25.00	18.91	76	65-120	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.08	76	75-124	8	20
Methyl tert-Amyl Ether (TAME)	25.00	23.58	94	77-120	4	20
1,1-Dichloroethene	25.00	22.44	90	80-132	7	20
Benzene	25.00	23.09	92	80-120	9	20
Trichloroethene	25.00	23.50	94	80-120	9	20
Toluene	25.00	25.12	100	80-120	8	20
Chlorobenzene	25.00	24.03	96	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127594
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397813

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	943.9	94	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-122

Type: BSD Lab ID: QC397814

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	831.4	83	70-130	13	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC397815	Batch#:	127594
Matrix:	Water	Analyzed:	07/25/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196188	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-02	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397815	Batch#:	127594
Matrix:	Water	Analyzed:	07/25/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	99	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

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

Laboratory Job Number 195957

LFR Levine Fricke	Project : 001-09567-01
1900 Powell Street	Location : Hanson Radum
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
TW-5	195957-001

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.

Signature: _____ Date: 07/25/2007
Project Manager

Signature: _____ Date: 07/25/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**195957**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/12/07**
Samples Received:	**07/12/07**

This hardcopy data package contains sample and QC results for one water sample, requested for the above referenced project on 07/12/07. The sample was received cold and intact. All data were e-mailed to Katrin Schliewen on 07/23/07.

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

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	195957	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	TW-5	Sampled:	07/12/07
Matrix:	Water	Received:	07/12/07
Units:	ug/L	Prepared:	07/13/07
Diln Fac:	1.000	Analyzed:	07/20/07
Batch#:	127244		

Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 195957-001

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

Surrogate	%REC	Limits
Hexacosane	113	61-134

Type: BLANK Cleanup Method: EPA 3630C
Lab ID: QC396220

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

Surrogate	%REC	Limits
Hexacosane	114	61-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	195957	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC396221	Batch#:	127244
Matrix:	Water	Prepared:	07/13/07
Units:	ug/L	Analyzed:	07/20/07

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,697	108	58-130

Surrogate	%REC	Limits
Hexacosane	129	61-134

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	195957	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	127244
MSS Lab ID:	195929-004	Sampled:	07/11/07
Matrix:	Water	Received:	07/12/07
Units:	ug/L	Prepared:	07/13/07
Diln Fac:	1.000	Analyzed:	07/17/07

Type: MS Lab ID: QC396222

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	25.03	2,500	2,571	102	57-134

Surrogate	%REC	Limits
Hexacosane	105	61-134

Type: MSD Lab ID: QC396223

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,577	102	57-134	0	32

Surrogate	%REC	Limits
Hexacosane	106	61-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	195957	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	TW-5	Batch#:	127216
Lab ID:	195957-001	Sampled:	07/12/07
Matrix:	Water	Received:	07/12/07
Units:	ug/L	Analyzed:	07/13/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	195957	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	STANDARD		
Field ID:	TW-5	Batch#:	127216
Lab ID:	195957-001	Sampled:	07/12/07
Matrix:	Water	Received:	07/12/07
Units:	ug/L	Analyzed:	07/13/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	195957	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	STANDARD		
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC396077	Batch#:	127216
Matrix:	Water	Analyzed:	07/13/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	195957	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396077	Batch#:	127216
Matrix:	Water	Analyzed:	07/13/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	95	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	195957	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	STANDARD		
Matrix:	Water	Batch#:	127216
Units:	ug/L	Analyzed:	07/13/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396078

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	150.0	157.5	105	68-132
Isopropyl Ether (DIPE)	30.00	25.77	86	65-120
Ethyl tert-Butyl Ether (ETBE)	30.00	29.99	100	75-124
Methyl tert-Amyl Ether (TAME)	30.00	32.54	108	77-120
1,1-Dichloroethene	30.00	32.29	108	80-132
Benzene	30.00	30.15	100	80-120
Trichloroethene	30.00	28.88	96	80-120
Toluene	30.00	31.17	104	80-120
Chlorobenzene	30.00	30.69	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	95	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-122

Type: BSD Lab ID: QC396079

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	150.0	167.4	112	68-132	6	20
Isopropyl Ether (DIPE)	30.00	27.39	91	65-120	6	20
Ethyl tert-Butyl Ether (ETBE)	30.00	30.87	103	75-124	3	20
Methyl tert-Amyl Ether (TAME)	30.00	33.64	112	77-120	3	20
1,1-Dichloroethene	30.00	34.57	115	80-132	7	20
Benzene	30.00	31.40	105	80-120	4	20
Trichloroethene	30.00	29.60	99	80-120	2	20
Toluene	30.00	32.85	110	80-120	5	20
Chlorobenzene	30.00	31.73	106	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	195957	Prep:	EPA 5030B
Client:	LFR Levine Fricke	Analysis:	EPA 8260B
Project#:	STANDARD		
Matrix:	Water	Batch#:	127216
Units:	ug/L	Analyzed:	07/13/07
Diln Fac:	1.000		

Type: BS Lab ID: QC396080

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,500	1,352	90	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	95	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC396081

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,500	1,320	88	70-130	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	94	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	195957	Prep:	EPA 3520C
Client:	LFR Levine Fricke	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	TW-5	Batch#:	127305
Lab ID:	195957-001	Sampled:	07/12/07
Matrix:	Water	Received:	07/12/07
Units:	ug/L	Prepared:	07/16/07
Diln Fac:	1.000	Analyzed:	07/17/07

Analyte	Result	RL
N-Nitrosodimethylamine	ND	9.4
Phenol	ND	9.4
bis(2-Chloroethyl)ether	ND	9.4
2-Chlorophenol	ND	9.4
1,3-Dichlorobenzene	ND	9.4
1,4-Dichlorobenzene	ND	9.4
Benzyl alcohol	ND	9.4
1,2-Dichlorobenzene	ND	9.4
2-Methylphenol	ND	9.4
bis(2-Chloroisopropyl) ether	ND	9.4
4-Methylphenol	ND	9.4
N-Nitroso-di-n-propylamine	ND	9.4
Hexachloroethane	ND	9.4
Nitrobenzene	ND	9.4
Isophorone	ND	9.4
2-Nitrophenol	ND	19
2,4-Dimethylphenol	ND	9.4
Benzoic acid	ND	47
bis(2-Chloroethoxy)methane	ND	9.4
2,4-Dichlorophenol	ND	9.4
1,2,4-Trichlorobenzene	ND	9.4
Naphthalene	ND	9.4
4-Chloroaniline	ND	9.4
Hexachlorobutadiene	ND	9.4
4-Chloro-3-methylphenol	ND	9.4
2-Methylnaphthalene	ND	9.4
Hexachlorocyclopentadiene	ND	19
2,4,6-Trichlorophenol	ND	9.4
2,4,5-Trichlorophenol	ND	9.4
2-Chloronaphthalene	ND	9.4
2-Nitroaniline	ND	19
Dimethylphthalate	ND	9.4
Acenaphthylene	ND	9.4
2,6-Dinitrotoluene	ND	9.4
3-Nitroaniline	ND	19
Acenaphthene	ND	9.4
2,4-Dinitrophenol	ND	19
4-Nitrophenol	ND	19
Dibenzofuran	ND	9.4
2,4-Dinitrotoluene	ND	9.4
Diethylphthalate	ND	9.4
Fluorene	ND	9.4
4-Chlorophenyl-phenylether	ND	9.4
4-Nitroaniline	ND	19
4,6-Dinitro-2-methylphenol	ND	19
N-Nitrosodiphenylamine	ND	9.4
Azobenzene	ND	9.4
4-Bromophenyl-phenylether	ND	9.4
Hexachlorobenzene	ND	9.4
Pentachlorophenol	ND	19
Phenanthrene	ND	9.4
Anthracene	ND	9.4
Di-n-butylphthalate	ND	9.4
Fluoranthene	ND	9.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	195957	Prep:	EPA 3520C
Client:	LFR Levine Fricke	Analysis:	EPA 8270C
Project#:	STANDARD		
Field ID:	TW-5	Batch#:	127305
Lab ID:	195957-001	Sampled:	07/12/07
Matrix:	Water	Received:	07/12/07
Units:	ug/L	Prepared:	07/16/07
Diln Fac:	1.000	Analyzed:	07/17/07

Analyte	Result	RL
Pyrene	ND	9.4
Butylbenzylphthalate	ND	9.4
3,3'-Dichlorobenzidine	ND	19
Benzo(a)anthracene	ND	9.4
Chrysene	ND	9.4
bis(2-Ethylhexyl)phthalate	ND	9.4
Di-n-octylphthalate	ND	9.4
Benzo(b)fluoranthene	ND	9.4
Benzo(k)fluoranthene	ND	9.4
Benzo(a)pyrene	ND	9.4
Indeno(1,2,3-cd)pyrene	ND	9.4
Dibenz(a,h)anthracene	ND	9.4
Benzo(g,h,i)perylene	ND	9.4

Surrogate	%REC	Limits
2-Fluorophenol	68	40-120
Phenol-d5	71	38-120
2,4,6-Tribromophenol	99	40-120
Nitrobenzene-d5	78	48-120
2-Fluorobiphenyl	77	50-120
Terphenyl-d14	72	23-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	195957	Prep:	EPA 3520C
Client:	LFR Levine Fricke	Analysis:	EPA 8270C
Project#:	STANDARD		
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC396535	Batch#:	127305
Matrix:	Water	Prepared:	07/16/07
Units:	ug/L	Analyzed:	07/17/07

Analyte	Result	RL
N-Nitrosodimethylamine	ND	10
Phenol	ND	10
bis(2-Chloroethyl)ether	ND	10
2-Chlorophenol	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
Benzyl alcohol	ND	10
1,2-Dichlorobenzene	ND	10
2-Methylphenol	ND	10
bis(2-Chloroisopropyl) ether	ND	10
4-Methylphenol	ND	10
N-Nitroso-di-n-propylamine	ND	10
Hexachloroethane	ND	10
Nitrobenzene	ND	10
Isophorone	ND	10
2-Nitrophenol	ND	20
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
bis(2-Chloroethoxy)methane	ND	10
2,4-Dichlorophenol	ND	10
1,2,4-Trichlorobenzene	ND	10
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	10
4-Chloro-3-methylphenol	ND	10
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	20
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	20
Acenaphthene	ND	10
2,4-Dinitrophenol	ND	20
4-Nitrophenol	ND	20
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
Fluorene	ND	10
4-Chlorophenyl-phenylether	ND	10
4-Nitroaniline	ND	20
4,6-Dinitro-2-methylphenol	ND	20
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Pentachlorophenol	ND	20
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	195957	Prep:	EPA 3520C
Client:	LFR Levine Fricke	Analysis:	EPA 8270C
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396535	Batch#:	127305
Matrix:	Water	Prepared:	07/16/07
Units:	ug/L	Analyzed:	07/17/07

Analyte	Result	RL
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	10
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	10
Benzo(k)fluoranthene	ND	10
Benzo(a)pyrene	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Dibenz(a,h)anthracene	ND	10
Benzo(g,h,i)perylene	ND	10

Surrogate	%REC	Limits
2-Fluorophenol	59	40-120
Phenol-d5	75	38-120
2,4,6-Tribromophenol	95	40-120
Nitrobenzene-d5	73	48-120
2-Fluorobiphenyl	74	50-120
Terphenyl-d14	75	23-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	195957	Prep:	EPA 3520C
Client:	LFR Levine Fricke	Analysis:	EPA 8270C
Project#:	STANDARD		
Matrix:	Water	Batch#:	127305
Units:	ug/L	Prepared:	07/16/07
Diln Fac:	1.000		

Type: BS
Lab ID: QC396536
Analyzed: 07/17/07

Analyte	Spiked	Result	%REC	Limits
Phenol	80.00	58.00	72	47-120
2-Chlorophenol	80.00	61.38	77	52-120
1,4-Dichlorobenzene	40.00	28.95	72	41-120
N-Nitroso-di-n-propylamine	40.00	27.46	69	46-120
1,2,4-Trichlorobenzene	40.00	30.96	77	45-120
4-Chloro-3-methylphenol	80.00	65.23	82	52-120
Acenaphthene	40.00	31.16	78	52-120
4-Nitrophenol	80.00	62.86	79	46-120
2,4-Dinitrotoluene	40.00	36.06	90	49-120
Pentachlorophenol	80.00	73.13	91	39-120
Pyrene	40.00	32.86	82	48-120

Surrogate	%REC	Limits
2-Fluorophenol	74	40-120
Phenol-d5	76	38-120
2,4,6-Tribromophenol	108	40-120
Nitrobenzene-d5	76	48-120
2-Fluorobiphenyl	76	50-120
Terphenyl-d14	82	23-120

Type: BSD
Lab ID: QC396537
Analyzed: 07/18/07

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	80.00	50.40	63	47-120	14	28
2-Chlorophenol	80.00	54.46	68	52-120	12	27
1,4-Dichlorobenzene	40.00	26.04	65	41-120	11	32
N-Nitroso-di-n-propylamine	40.00	23.33	58	46-120	16	28
1,2,4-Trichlorobenzene	40.00	28.03	70	45-120	10	29
4-Chloro-3-methylphenol	80.00	56.51	71	52-120	14	26
Acenaphthene	40.00	27.83	70	52-120	11	27
4-Nitrophenol	80.00	52.21	65	46-120	19	31
2,4-Dinitrotoluene	40.00	32.43	81	49-120	11	29
Pentachlorophenol	80.00	67.20	84	39-120	8	28
Pyrene	40.00	31.79	79	48-120	3	30

Surrogate	%REC	Limits
2-Fluorophenol	65	40-120
Phenol-d5	67	38-120
2,4,6-Tribromophenol	102	40-120
Nitrobenzene-d5	67	48-120
2-Fluorobiphenyl	71	50-120
Terphenyl-d14	80	23-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	195957	Project#:	STANDARD
Client:	LFR Levine Fricke		
Field ID:	TW-5	Diln Fac:	1.000
Lab ID:	195957-001	Sampled:	07/12/07
Matrix:	Filtrate	Received:	07/12/07
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Barium	280	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Chromium	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Copper	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Lead	ND	3.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Mercury	ND	0.20	127271	07/16/07	07/16/07	METHOD	EPA 7470A
Molybdenum	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Nickel	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Selenium	ND	10	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Silver	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Thallium	ND	10	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B
Zinc	30	20	127328	07/17/07	07/17/07	EPA 3010A	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	195957	Prep:	METHOD
Client:	LFR Levine Fricke	Analysis:	EPA 7470A
Project#:	STANDARD		
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	127271
Lab ID:	QC396345	Prepared:	07/16/07
Matrix:	Water	Analyzed:	07/16/07
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 #:	195957	Prep:	METHOD
Client:	LFR Levine Fricke	Analysis:	EPA 7470A
Project#:	STANDARD		
Analyte:	Mercury	Batch#:	127271
Matrix:	Water	Prepared:	07/16/07
Units:	ug/L	Analyzed:	07/16/07
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC396346	5.000	5.020	100	80-120		
BSD	QC396347	5.000	5.100	102	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	195957	Prep:	METHOD
Client:	LFR Levine Fricke	Analysis:	EPA 7470A
Project#:	STANDARD		
Analyte:	Mercury	Batch#:	127271
Field ID:	ZZZZZZZZZZ	Sampled:	07/13/07
MSS Lab ID:	195975-001	Received:	07/13/07
Matrix:	Water	Prepared:	07/16/07
Units:	ug/L	Analyzed:	07/16/07
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC396349	<0.02083	5.000	5.380	108	80-123		
MSD	QC396350		5.000	5.500	110	80-123	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	195957	Prep:	EPA 3010A
Client:	LFR Levine Fricke	Analysis:	EPA 6010B
Project#:	STANDARD		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC396613	Batch#:	127328
Matrix:	Water	Prepared:	07/17/07
Units:	ug/L	Analyzed:	07/17/07

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	3.0
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 #:	195957	Prep:	EPA 3010A
Client:	LFR Levine Fricke	Analysis:	EPA 6010B
Project#:	STANDARD		
Matrix:	Water	Batch#:	127328
Units:	ug/L	Prepared:	07/17/07
Diln Fac:	1.000	Analyzed:	07/17/07

Type: BS Lab ID: QC396614

Analyte	Spiked	Result	%REC	Limits
Antimony	500.0	490.2	98	80-120
Arsenic	100.0	98.40	98	80-120
Barium	2,000	1,969	98	80-120
Beryllium	50.00	53.58	107	80-120
Cadmium	50.00	50.37	101	80-120
Chromium	200.0	192.8	96	80-120
Cobalt	500.0	480.3	96	80-120
Copper	250.0	231.8	93	80-120
Lead	100.0	97.59	98	80-120
Molybdenum	400.0	385.3	96	80-120
Nickel	500.0	488.5	98	80-120
Selenium	100.0	100.6	101	80-120
Silver	50.00	48.79	98	80-120
Thallium	100.0	102.1	102	80-120
Vanadium	500.0	488.3	98	80-120
Zinc	500.0	505.7	101	80-120

Type: BSD Lab ID: QC396615

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	493.8	99	80-120	1	20
Arsenic	100.0	98.72	99	80-120	0	20
Barium	2,000	1,993	100	80-120	1	20
Beryllium	50.00	54.31	109	80-120	1	20
Cadmium	50.00	50.87	102	80-120	1	20
Chromium	200.0	195.3	98	80-120	1	20
Cobalt	500.0	487.2	97	80-120	1	20
Copper	250.0	234.7	94	80-120	1	20
Lead	100.0	98.50	98	80-120	1	20
Molybdenum	400.0	389.1	97	80-120	1	20
Nickel	500.0	494.7	99	80-120	1	20
Selenium	100.0	102.1	102	80-120	1	20
Silver	50.00	49.84	100	80-120	2	20
Thallium	100.0	103.2	103	80-120	1	20
Vanadium	500.0	496.4	99	80-120	2	20
Zinc	500.0	512.3	102	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	195957	Prep:	EPA 3010A
Client:	LFR Levine Fricke	Analysis:	EPA 6010B
Project#:	STANDARD		
Field ID:	ZZZZZZZZZZ	Batch#:	127328
MSS Lab ID:	195996-001	Sampled:	07/16/07
Matrix:	Water	Received:	07/16/07
Units:	ug/L	Prepared:	07/17/07
Diln Fac:	1.000	Analyzed:	07/17/07

Type: MS Lab ID: QC396616

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	4.239	500.0	528.3	105	78-122
Arsenic	10.22	100.0	116.2	106	79-128
Barium	116.7	2,000	2,050	97	80-120
Beryllium	0.4010	50.00	55.29	110	80-122
Cadmium	<0.3555	50.00	50.10	100	80-121
Chromium	34.56	200.0	227.3	96	80-120
Cobalt	1.742	500.0	479.6	96	80-120
Copper	120.4	250.0	372.8	101	80-120
Lead	<1.150	100.0	89.51	90	70-120
Molybdenum	7.493	400.0	404.6	99	80-120
Nickel	25.49	500.0	502.3	95	78-120
Selenium	3.711	100.0	111.0	107	78-132
Silver	1.955	50.00	53.72	104	72-123
Thallium	<1.131	100.0	92.49	92	72-120
Vanadium	45.42	500.0	550.1	101	80-120
Zinc	107.6	500.0	614.0	101	80-124

Type: MSD Lab ID: QC396617

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	500.0	531.6	105	78-122	1	20
Arsenic	100.0	116.5	106	79-128	0	20
Barium	2,000	2,078	98	80-120	1	20
Beryllium	50.00	55.40	110	80-122	0	20
Cadmium	50.00	49.91	100	80-121	0	20
Chromium	200.0	228.0	97	80-120	0	20
Cobalt	500.0	481.3	96	80-120	0	20
Copper	250.0	375.2	102	80-120	1	20
Lead	100.0	90.49	90	70-120	1	20
Molybdenum	400.0	408.8	100	80-120	1	20
Nickel	500.0	504.2	96	78-120	0	20
Selenium	100.0	113.7	110	78-132	2	20
Silver	50.00	54.61	105	72-123	2	20
Thallium	100.0	92.63	93	72-120	0	20
Vanadium	500.0	550.1	101	80-120	0	20
Zinc	500.0	619.3	102	80-124	1	20

RPD= Relative Percent Difference

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

Laboratory Job Number 196218

LFR Levine Fricke	Project : 001-09567-01
1900 Powell Street	Location : Hanson Radum
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
3S/1E 10D8	196218-001
3S/1E 10N3	196218-002
3S/1E 10K2	196218-003
MW-10	196218-004
TB-072507	196218-005

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.

Signature: _____ Date: 07/31/2007
Project Manager

Signature: _____ Date: 07/31/2007
Operations Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**196218**
Client:	**LFR Levine Fricke**
Project:	**001-09567-01**
Location:	**Hanson Radum**
Request Date:	**07/25/07**
Samples Received:	**07/25/07**

This hardcopy data package contains sample and QC results for five water samples, requested for the above referenced project on 07/25/07. The samples were received cold and intact. All data were e-mailed to Katrin Schliewen on 07/26/07.

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

Volatile Organics by GC/MS (EPA 8260B):
Low recovery was observed for 1,1-dichloroethene in the MSD for batch 127592; the parent sample was not a project sample, and the BS/BSD were within limits. High RPD was also observed for 1,1-dichloroethene in the MS/MSD for batch 127592; the RPD was acceptable in the BS/BSD, and this analyte was not detected at or above the RL in the associated sample. 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene were detected between the MDL and the RL in the method blank for batch 127592 and the method blank for batch 127594; these analytes were not detected in samples at or above the RL. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

Metals (EPA 6020 and EPA 7470A):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/25/07
Units:	ug/L	Received:	07/25/07
Diln Fac:	1.000	Prepared:	07/25/07
Batch#:	127596	Analyzed:	07/26/07

Field ID: 3S/1E 10D8 Lab ID: 196218-001
Type: SAMPLE

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

Surrogate	%REC	Limits
Hexacosane	100	61-134

Field ID: 3S/1E 10N3 Lab ID: 196218-002
Type: SAMPLE

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

Surrogate	%REC	Limits
Hexacosane	110	61-134

Field ID: 3S/1E 10K2 Lab ID: 196218-003
Type: SAMPLE

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

Surrogate	%REC	Limits
Hexacosane	99	61-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	07/25/07
Units:	ug/L	Received:	07/25/07
Diln Fac:	1.000	Prepared:	07/25/07
Batch#:	127596	Analyzed:	07/26/07

Field ID: MW-10 Lab ID: 196218-004
Type: SAMPLE

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

Surrogate	%REC	Limits
Hexacosane	96	61-134

Type: BLANK Lab ID: QC397819

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

Surrogate	%REC	Limits
Hexacosane	116	61-134

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	127596
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC397820

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,461	98	58-130

Surrogate	%REC	Limits
Hexacosane	115	61-134

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC397821

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,634	105	58-130	7	27

Surrogate	%REC	Limits
Hexacosane	124	61-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	TB-072507	Batch#:	127592
Lab ID:	196218-005	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	0.6 J	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
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 #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	TB-072507	Batch#:	127592
Lab ID:	196218-005	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-123
1,2-Dichloroethane-d4	102	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	111	80-122

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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127592
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397804

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.76	103	80-132
Benzene	25.00	25.85	103	80-120
Trichloroethene	25.00	25.29	101	80-120
Toluene	25.00	28.19	113	80-120
Chlorobenzene	25.00	24.63	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC397805

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	21.89	88	80-132	16	20
Benzene	25.00	22.88	92	80-120	12	20
Trichloroethene	25.00	22.03	88	80-120	14	20
Toluene	25.00	25.21	101	80-120	11	20
Chlorobenzene	25.00	21.74	87	80-120	12	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-123
1,2-Dichloroethane-d4	96	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC397806	Batch#:	127592
Matrix:	Water	Analyzed:	07/25/07
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	0.5
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
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.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397806	Batch#:	127592
Matrix:	Water	Analyzed:	07/25/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	0.3 J	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	109	80-122

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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	127592
MSS Lab ID:	196196-001	Sampled:	07/23/07
Matrix:	Water	Received:	07/24/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: MS Lab ID: QC397882

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1169	25.00	27.27	109	80-139
Benzene	<0.06286	25.00	25.68	103	80-123
Trichloroethene	0.1668	25.00	26.08	104	75-129
Toluene	<0.1220	25.00	25.55	102	80-122
Chlorobenzene	<0.1069	25.00	23.81	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-123
1,2-Dichloroethane-d4	99	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-122

Type: MSD Lab ID: QC397883

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	19.85	79 *	80-139	31 *	20
Benzene	25.00	25.12	100	80-123	2	20
Trichloroethene	25.00	25.51	101	75-129	2	20
Toluene	25.00	24.63	99	80-122	4	20
Chlorobenzene	25.00	23.17	93	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-123
1,2-Dichloroethane-d4	98	79-134
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-122

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

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	3S/1E 10D8	Batch#:	127594
Lab ID:	196218-001	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	3S/1E 10D8	Batch#:	127594
Lab ID:	196218-001	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-123
1,2-Dichloroethane-d4	104	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	3S/1E 10N3	Batch#:	127594
Lab ID:	196218-002	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	3S/1E 10N3	Batch#:	127594
Lab ID:	196218-002	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	103	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	3S/1E 10K2	Batch#:	127594
Lab ID:	196218-003	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	3S/1E 10K2	Batch#:	127594
Lab ID:	196218-003	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	97	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	127594
Lab ID:	196218-004	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
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
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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	127594
Lab ID:	196218-004	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Analyte	Result	RL
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	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-123
1,2-Dichloroethane-d4	104	79-134
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127594
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397811

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	112.2	90	68-132
Isopropyl Ether (DIPE)	25.00	19.99	80	65-120
Ethyl tert-Butyl Ether (ETBE)	25.00	20.71	83	75-124
Methyl tert-Amyl Ether (TAME)	25.00	24.56	98	77-120
1,1-Dichloroethene	25.00	24.16	97	80-132
Benzene	25.00	25.20	101	80-120
Trichloroethene	25.00	25.59	102	80-120
Toluene	25.00	27.12	108	80-120
Chlorobenzene	25.00	25.47	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	103	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-122

Type: BSD Lab ID: QC397812

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	106.4	85	68-132	5	20
Isopropyl Ether (DIPE)	25.00	18.91	76	65-120	6	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.08	76	75-124	8	20
Methyl tert-Amyl Ether (TAME)	25.00	23.58	94	77-120	4	20
1,1-Dichloroethene	25.00	22.44	90	80-132	7	20
Benzene	25.00	23.09	92	80-120	9	20
Trichloroethene	25.00	23.50	94	80-120	9	20
Toluene	25.00	25.12	100	80-120	8	20
Chlorobenzene	25.00	24.03	96	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	127594
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Type: BS Lab ID: QC397813

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	943.9	94	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-122

Type: BSD Lab ID: QC397814

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	831.4	83	70-130	13	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC397815	Batch#:	127594
Matrix:	Water	Analyzed:	07/25/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
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
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

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

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09567-01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397815	Batch#:	127594
Matrix:	Water	Analyzed:	07/25/07
Units:	ug/L		

Analyte	Result	RL
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	0.5
1,2,4-Trichlorobenzene	0.4 J	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	99	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-122

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

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	3S/1E 10D8	Batch#:	127624
Lab ID:	196218-001	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Analyte	Result	RL
N-Nitrosodimethylamine	ND	9.4
Phenol	ND	9.4
bis(2-Chloroethyl)ether	ND	9.4
2-Chlorophenol	ND	9.4
1,3-Dichlorobenzene	ND	9.4
1,4-Dichlorobenzene	ND	9.4
Benzyl alcohol	ND	9.4
1,2-Dichlorobenzene	ND	9.4
2-Methylphenol	ND	9.4
bis(2-Chloroisopropyl) ether	ND	9.4
4-Methylphenol	ND	9.4
N-Nitroso-di-n-propylamine	ND	9.4
Hexachloroethane	ND	9.4
Nitrobenzene	ND	9.4
Isophorone	ND	9.4
2-Nitrophenol	ND	19
2,4-Dimethylphenol	ND	9.4
Benzoic acid	ND	47
bis(2-Chloroethoxy)methane	ND	9.4
2,4-Dichlorophenol	ND	9.4
1,2,4-Trichlorobenzene	ND	9.4
Naphthalene	ND	9.4
4-Chloroaniline	ND	9.4
Hexachlorobutadiene	ND	9.4
4-Chloro-3-methylphenol	ND	9.4
2-Methylnaphthalene	ND	9.4
Hexachlorocyclopentadiene	ND	19
2,4,6-Trichlorophenol	ND	9.4
2,4,5-Trichlorophenol	ND	9.4
2-Chloronaphthalene	ND	9.4
2-Nitroaniline	ND	19
Dimethylphthalate	ND	9.4
Acenaphthylene	ND	9.4
2,6-Dinitrotoluene	ND	9.4
3-Nitroaniline	ND	19
Acenaphthene	ND	9.4
2,4-Dinitrophenol	ND	19
4-Nitrophenol	ND	19
Dibenzofuran	ND	9.4
2,4-Dinitrotoluene	ND	9.4
Diethylphthalate	ND	9.4
Fluorene	ND	9.4
4-Chlorophenyl-phenylether	ND	9.4
4-Nitroaniline	ND	19
4,6-Dinitro-2-methylphenol	ND	19
N-Nitrosodiphenylamine	ND	9.4
Azobenzene	ND	9.4
4-Bromophenyl-phenylether	ND	9.4
Hexachlorobenzene	ND	9.4
Pentachlorophenol	ND	19
Phenanthrene	ND	9.4
Anthracene	ND	9.4
Di-n-butylphthalate	ND	9.4
Fluoranthene	ND	9.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	3S/1E 10D8	Batch#:	127624
Lab ID:	196218-001	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Analyte	Result	RL
Pyrene	ND	9.4
Butylbenzylphthalate	ND	9.4
3,3'-Dichlorobenzidine	ND	19
Benzo(a)anthracene	ND	9.4
Chrysene	ND	9.4
bis(2-Ethylhexyl)phthalate	25	9.4
Di-n-octylphthalate	ND	9.4
Benzo(b)fluoranthene	ND	9.4
Benzo(k)fluoranthene	ND	9.4
Benzo(a)pyrene	ND	9.4
Indeno(1,2,3-cd)pyrene	ND	9.4
Dibenz(a,h)anthracene	ND	9.4
Benzo(g,h,i)perylene	ND	9.4

Surrogate	%REC	Limits
2-Fluorophenol	68	40-120
Phenol-d5	68	38-120
2,4,6-Tribromophenol	85	40-120
Nitrobenzene-d5	69	48-120
2-Fluorobiphenyl	75	50-120
Terphenyl-d14	69	23-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	3S/1E 10N3	Batch#:	127624
Lab ID:	196218-002	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Analyte	Result	RL
N-Nitrosodimethylamine	ND	9.4
Phenol	ND	9.4
bis(2-Chloroethyl)ether	ND	9.4
2-Chlorophenol	ND	9.4
1,3-Dichlorobenzene	ND	9.4
1,4-Dichlorobenzene	ND	9.4
Benzyl alcohol	ND	9.4
1,2-Dichlorobenzene	ND	9.4
2-Methylphenol	ND	9.4
bis(2-Chloroisopropyl) ether	ND	9.4
4-Methylphenol	ND	9.4
N-Nitroso-di-n-propylamine	ND	9.4
Hexachloroethane	ND	9.4
Nitrobenzene	ND	9.4
Isophorone	ND	9.4
2-Nitrophenol	ND	19
2,4-Dimethylphenol	ND	9.4
Benzoic acid	ND	47
bis(2-Chloroethoxy)methane	ND	9.4
2,4-Dichlorophenol	ND	9.4
1,2,4-Trichlorobenzene	ND	9.4
Naphthalene	ND	9.4
4-Chloroaniline	ND	9.4
Hexachlorobutadiene	ND	9.4
4-Chloro-3-methylphenol	ND	9.4
2-Methylnaphthalene	ND	9.4
Hexachlorocyclopentadiene	ND	19
2,4,6-Trichlorophenol	ND	9.4
2,4,5-Trichlorophenol	ND	9.4
2-Chloronaphthalene	ND	9.4
2-Nitroaniline	ND	19
Dimethylphthalate	ND	9.4
Acenaphthylene	ND	9.4
2,6-Dinitrotoluene	ND	9.4
3-Nitroaniline	ND	19
Acenaphthene	ND	9.4
2,4-Dinitrophenol	ND	19
4-Nitrophenol	ND	19
Dibenzofuran	ND	9.4
2,4-Dinitrotoluene	ND	9.4
Diethylphthalate	ND	9.4
Fluorene	ND	9.4
4-Chlorophenyl-phenylether	ND	9.4
4-Nitroaniline	ND	19
4,6-Dinitro-2-methylphenol	ND	19
N-Nitrosodiphenylamine	ND	9.4
Azobenzene	ND	9.4
4-Bromophenyl-phenylether	ND	9.4
Hexachlorobenzene	ND	9.4
Pentachlorophenol	ND	19
Phenanthrene	ND	9.4
Anthracene	ND	9.4
Di-n-butylphthalate	ND	9.4
Fluoranthene	ND	9.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	3S/1E 10N3	Batch#:	127624
Lab ID:	196218-002	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Analyte	Result	RL
Pyrene	ND	9.4
Butylbenzylphthalate	ND	9.4
3,3'-Dichlorobenzidine	ND	19
Benzo(a)anthracene	ND	9.4
Chrysene	ND	9.4
bis(2-Ethylhexyl)phthalate	ND	9.4
Di-n-octylphthalate	ND	9.4
Benzo(b)fluoranthene	ND	9.4
Benzo(k)fluoranthene	ND	9.4
Benzo(a)pyrene	ND	9.4
Indeno(1,2,3-cd)pyrene	ND	9.4
Dibenz(a,h)anthracene	ND	9.4
Benzo(g,h,i)perylene	ND	9.4

Surrogate	%REC	Limits
2-Fluorophenol	77	40-120
Phenol-d5	72	38-120
2,4,6-Tribromophenol	78	40-120
Nitrobenzene-d5	78	48-120
2-Fluorobiphenyl	71	50-120
Terphenyl-d14	74	23-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	3S/1E 10K2	Batch#:	127624
Lab ID:	196218-003	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Analyte	Result	RL
N-Nitrosodimethylamine	ND	9.4
Phenol	ND	9.4
bis(2-Chloroethyl)ether	ND	9.4
2-Chlorophenol	ND	9.4
1,3-Dichlorobenzene	ND	9.4
1,4-Dichlorobenzene	ND	9.4
Benzyl alcohol	ND	9.4
1,2-Dichlorobenzene	ND	9.4
2-Methylphenol	ND	9.4
bis(2-Chloroisopropyl) ether	ND	9.4
4-Methylphenol	ND	9.4
N-Nitroso-di-n-propylamine	ND	9.4
Hexachloroethane	ND	9.4
Nitrobenzene	ND	9.4
Isophorone	ND	9.4
2-Nitrophenol	ND	19
2,4-Dimethylphenol	ND	9.4
Benzoic acid	ND	47
bis(2-Chloroethoxy)methane	ND	9.4
2,4-Dichlorophenol	ND	9.4
1,2,4-Trichlorobenzene	ND	9.4
Naphthalene	ND	9.4
4-Chloroaniline	ND	9.4
Hexachlorobutadiene	ND	9.4
4-Chloro-3-methylphenol	ND	9.4
2-Methylnaphthalene	ND	9.4
Hexachlorocyclopentadiene	ND	19
2,4,6-Trichlorophenol	ND	9.4
2,4,5-Trichlorophenol	ND	9.4
2-Chloronaphthalene	ND	9.4
2-Nitroaniline	ND	19
Dimethylphthalate	ND	9.4
Acenaphthylene	ND	9.4
2,6-Dinitrotoluene	ND	9.4
3-Nitroaniline	ND	19
Acenaphthene	ND	9.4
2,4-Dinitrophenol	ND	19
4-Nitrophenol	ND	19
Dibenzofuran	ND	9.4
2,4-Dinitrotoluene	ND	9.4
Diethylphthalate	ND	9.4
Fluorene	ND	9.4
4-Chlorophenyl-phenylether	ND	9.4
4-Nitroaniline	ND	19
4,6-Dinitro-2-methylphenol	ND	19
N-Nitrosodiphenylamine	ND	9.4
Azobenzene	ND	9.4
4-Bromophenyl-phenylether	ND	9.4
Hexachlorobenzene	ND	9.4
Pentachlorophenol	ND	19
Phenanthrene	ND	9.4
Anthracene	ND	9.4
Di-n-butylphthalate	ND	9.4
Fluoranthene	ND	9.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	3S/1E 10K2	Batch#:	127624
Lab ID:	196218-003	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Analyte	Result	RL
Pyrene	ND	9.4
Butylbenzylphthalate	ND	9.4
3,3'-Dichlorobenzidine	ND	19
Benzo(a)anthracene	ND	9.4
Chrysene	ND	9.4
bis(2-Ethylhexyl)phthalate	ND	9.4
Di-n-octylphthalate	ND	9.4
Benzo(b)fluoranthene	ND	9.4
Benzo(k)fluoranthene	ND	9.4
Benzo(a)pyrene	ND	9.4
Indeno(1,2,3-cd)pyrene	ND	9.4
Dibenz(a,h)anthracene	ND	9.4
Benzo(g,h,i)perylene	ND	9.4

Surrogate	%REC	Limits
2-Fluorophenol	75	40-120
Phenol-d5	72	38-120
2,4,6-Tribromophenol	75	40-120
Nitrobenzene-d5	79	48-120
2-Fluorobiphenyl	73	50-120
Terphenyl-d14	71	23-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	MW-10	Batch#:	127624
Lab ID:	196218-004	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Analyte	Result	RL
N-Nitrosodimethylamine	ND	9.4
Phenol	ND	9.4
bis(2-Chloroethyl)ether	ND	9.4
2-Chlorophenol	ND	9.4
1,3-Dichlorobenzene	ND	9.4
1,4-Dichlorobenzene	ND	9.4
Benzyl alcohol	ND	9.4
1,2-Dichlorobenzene	ND	9.4
2-Methylphenol	ND	9.4
bis(2-Chloroisopropyl) ether	ND	9.4
4-Methylphenol	ND	9.4
N-Nitroso-di-n-propylamine	ND	9.4
Hexachloroethane	ND	9.4
Nitrobenzene	ND	9.4
Isophorone	ND	9.4
2-Nitrophenol	ND	19
2,4-Dimethylphenol	ND	9.4
Benzoic acid	ND	47
bis(2-Chloroethoxy)methane	ND	9.4
2,4-Dichlorophenol	ND	9.4
1,2,4-Trichlorobenzene	ND	9.4
Naphthalene	ND	9.4
4-Chloroaniline	ND	9.4
Hexachlorobutadiene	ND	9.4
4-Chloro-3-methylphenol	ND	9.4
2-Methylnaphthalene	ND	9.4
Hexachlorocyclopentadiene	ND	19
2,4,6-Trichlorophenol	ND	9.4
2,4,5-Trichlorophenol	ND	9.4
2-Chloronaphthalene	ND	9.4
2-Nitroaniline	ND	19
Dimethylphthalate	ND	9.4
Acenaphthylene	ND	9.4
2,6-Dinitrotoluene	ND	9.4
3-Nitroaniline	ND	19
Acenaphthene	ND	9.4
2,4-Dinitrophenol	ND	19
4-Nitrophenol	ND	19
Dibenzofuran	ND	9.4
2,4-Dinitrotoluene	ND	9.4
Diethylphthalate	ND	9.4
Fluorene	ND	9.4
4-Chlorophenyl-phenylether	ND	9.4
4-Nitroaniline	ND	19
4,6-Dinitro-2-methylphenol	ND	19
N-Nitrosodiphenylamine	ND	9.4
Azobenzene	ND	9.4
4-Bromophenyl-phenylether	ND	9.4
Hexachlorobenzene	ND	9.4
Pentachlorophenol	ND	19
Phenanthrene	ND	9.4
Anthracene	ND	9.4
Di-n-butylphthalate	ND	9.4
Fluoranthene	ND	9.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Field ID:	MW-10	Batch#:	127624
Lab ID:	196218-004	Sampled:	07/25/07
Matrix:	Water	Received:	07/25/07
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Analyte	Result	RL
Pyrene	ND	9.4
Butylbenzylphthalate	ND	9.4
3,3'-Dichlorobenzidine	ND	19
Benzo(a)anthracene	ND	9.4
Chrysene	ND	9.4
bis(2-Ethylhexyl)phthalate	ND	9.4
Di-n-octylphthalate	ND	9.4
Benzo(b)fluoranthene	ND	9.4
Benzo(k)fluoranthene	ND	9.4
Benzo(a)pyrene	ND	9.4
Indeno(1,2,3-cd)pyrene	ND	9.4
Dibenz(a,h)anthracene	ND	9.4
Benzo(g,h,i)perylene	ND	9.4

Surrogate	%REC	Limits
2-Fluorophenol	74	40-120
Phenol-d5	71	38-120
2,4,6-Tribromophenol	74	40-120
Nitrobenzene-d5	77	48-120
2-Fluorobiphenyl	71	50-120
Terphenyl-d14	70	23-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC397939	Batch#:	127624
Matrix:	Water	Prepared:	07/25/07
Units:	ug/L	Analyzed:	07/26/07

Analyte	Result	RL
N-Nitrosodimethylamine	ND	10
Phenol	ND	10
bis(2-Chloroethyl)ether	ND	10
2-Chlorophenol	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
Benzyl alcohol	ND	10
1,2-Dichlorobenzene	ND	10
2-Methylphenol	ND	10
bis(2-Chloroisopropyl) ether	ND	10
4-Methylphenol	ND	10
N-Nitroso-di-n-propylamine	ND	10
Hexachloroethane	ND	10
Nitrobenzene	ND	10
Isophorone	ND	10
2-Nitrophenol	ND	20
2,4-Dimethylphenol	ND	10
Benzoic acid	ND	50
bis(2-Chloroethoxy)methane	ND	10
2,4-Dichlorophenol	ND	10
1,2,4-Trichlorobenzene	ND	10
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	10
4-Chloro-3-methylphenol	ND	10
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	20
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	10
3-Nitroaniline	ND	20
Acenaphthene	ND	10
2,4-Dinitrophenol	ND	20
4-Nitrophenol	ND	20
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	10
Diethylphthalate	ND	10
Fluorene	ND	10
4-Chlorophenyl-phenylether	ND	10
4-Nitroaniline	ND	20
4,6-Dinitro-2-methylphenol	ND	20
N-Nitrosodiphenylamine	ND	10
Azobenzene	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	10
Pentachlorophenol	ND	20
Phenanthrene	ND	10
Anthracene	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC397939	Batch#:	127624
Matrix:	Water	Prepared:	07/25/07
Units:	ug/L	Analyzed:	07/26/07

Analyte	Result	RL
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	10
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	10
Benzo(k)fluoranthene	ND	10
Benzo(a)pyrene	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Dibenz(a,h)anthracene	ND	10
Benzo(g,h,i)perylene	ND	10

Surrogate	%REC	Limits
2-Fluorophenol	82	40-120
Phenol-d5	88	38-120
2,4,6-Tribromophenol	92	40-120
Nitrobenzene-d5	90	48-120
2-Fluorobiphenyl	87	50-120
Terphenyl-d14	82	23-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09567-01	Analysis:	EPA 8270C
Matrix:	Water	Batch#:	127624
Units:	ug/L	Prepared:	07/25/07
Diln Fac:	1.000	Analyzed:	07/26/07

Type: BS Lab ID: QC397940

Analyte	Spiked	Result	%REC	Limits
Phenol	80.00	62.76	78	47-120
2-Chlorophenol	80.00	66.09	83	52-120
1,4-Dichlorobenzene	40.00	34.87	87	41-120
N-Nitroso-di-n-propylamine	40.00	29.04	73	46-120
1,2,4-Trichlorobenzene	40.00	36.24	91	45-120
4-Chloro-3-methylphenol	80.00	67.94	85	52-120
Acenaphthene	40.00	33.26	83	52-120
4-Nitrophenol	80.00	61.64	77	46-120
2,4-Dinitrotoluene	40.00	36.51	91	49-120
Pentachlorophenol	80.00	72.44	91	39-120
Pyrene	40.00	31.70	79	48-120

Surrogate	%REC	Limits
2-Fluorophenol	77	40-120
Phenol-d5	81	38-120
2,4,6-Tribromophenol	116	40-120
Nitrobenzene-d5	80	48-120
2-Fluorobiphenyl	83	50-120
Terphenyl-d14	74	23-120

Type: BSD Lab ID: QC397941

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	80.00	63.21	79	47-120	1	28
2-Chlorophenol	80.00	65.64	82	52-120	1	27
1,4-Dichlorobenzene	40.00	33.24	83	41-120	5	32
N-Nitroso-di-n-propylamine	40.00	30.42	76	46-120	5	28
1,2,4-Trichlorobenzene	40.00	33.46	84	45-120	8	29
4-Chloro-3-methylphenol	80.00	68.58	86	52-120	1	26
Acenaphthene	40.00	32.20	81	52-120	3	27
4-Nitrophenol	80.00	59.16	74	46-120	4	31
2,4-Dinitrotoluene	40.00	35.77	89	49-120	2	29
Pentachlorophenol	80.00	71.47	89	39-120	1	28
Pyrene	40.00	32.05	80	48-120	1	30

Surrogate	%REC	Limits
2-Fluorophenol	77	40-120
Phenol-d5	82	38-120
2,4,6-Tribromophenol	106	40-120
Nitrobenzene-d5	82	48-120
2-Fluorobiphenyl	81	50-120
Terphenyl-d14	73	23-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01		
Field ID:	3S/1E 10D8	Units:	ug/L
Lab ID:	196218-001	Sampled:	07/25/07
Matrix:	Filtrate	Received:	07/25/07

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Arsenic	1.2	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Barium	370	1.0	5.000	127634	07/25/07	07/25/07	EPA 6020
Beryllium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Cadmium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Chromium	6.3	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Cobalt	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Copper	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Lead	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Mercury	0.63	0.20	1.000	127647	07/26/07	07/26/07	EPA 7470A
Molybdenum	1.2	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Nickel	1.3	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Selenium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Silver	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Thallium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Vanadium	3.4	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Zinc	8.0	5.0	1.000	127644	07/26/07	07/26/07	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01		
Field ID:	3S/1E 10N3	Units:	ug/L
Lab ID:	196218-002	Sampled:	07/25/07
Matrix:	Filtrate	Received:	07/25/07

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Arsenic	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Barium	260	1.0	5.000	127634	07/25/07	07/25/07	EPA 6020
Beryllium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Cadmium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Chromium	2.6	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Cobalt	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Copper	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Lead	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Mercury	ND	0.20	1.000	127647	07/26/07	07/26/07	EPA 7470A
Molybdenum	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Nickel	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Selenium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Silver	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Thallium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Vanadium	1.4	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Zinc	ND	5.0	5.000	127644	07/26/07	07/26/07	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01		
Field ID:	3S/1E 10K2	Units:	ug/L
Lab ID:	196218-003	Sampled:	07/25/07
Matrix:	Filtrate	Received:	07/25/07

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Arsenic	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Barium	230	1.0	5.000	127634	07/25/07	07/25/07	EPA 6020
Beryllium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Cadmium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Chromium	7.8	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Cobalt	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Copper	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Lead	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Mercury	0.42	0.20	1.000	127647	07/26/07	07/26/07	EPA 7470A
Molybdenum	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Nickel	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Selenium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Silver	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Thallium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Vanadium	1.6	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Zinc	ND	5.0	1.000	127644	07/26/07	07/26/07	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01		
Field ID:	MW-10	Units:	ug/L
Lab ID:	196218-004	Sampled:	07/25/07
Matrix:	Filtrate	Received:	07/25/07

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Arsenic	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Barium	230	1.0	5.000	127634	07/25/07	07/25/07	EPA 6020
Beryllium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Cadmium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Chromium	7.6	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Cobalt	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Copper	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Lead	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Mercury	0.33	0.20	1.000	127647	07/26/07	07/26/07	EPA 7470A
Molybdenum	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Nickel	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Selenium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Silver	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Thallium	ND	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Vanadium	1.5	1.0	1.000	127644	07/26/07	07/26/07	EPA 6020
Zinc	ND	5.0	1.000	127644	07/26/07	07/26/07	EPA 6020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 6020
Analyte:	Barium	Diln Fac:	1.000
Type:	BLANK	Batch#:	127634
Lab ID:	QC397987	Prepared:	07/25/07
Matrix:	Filtrate	Analyzed:	07/25/07
Units:	ug/L		

Result	RL
ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 6020
Analyte:	Barium	Batch#:	127634
Matrix:	Filtrate	Prepared:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC397988	100.0	103.0	103	80-120		
BSD	QC397989	100.0	98.23	98	80-120	5	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 6020
Analyte:	Barium	Batch#:	127634
Field ID:	3S/1E 10D8	Sampled:	07/25/07
MSS Lab ID:	196218-001	Received:	07/25/07
Matrix:	Filtrate	Prepared:	07/25/07
Units:	ug/L	Analyzed:	07/25/07
Diln Fac:	5.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC397990	367.0	100.0	466.1	99	73-125		
MSD	QC397991		100.0	475.7	109	73-125	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 6020
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC398057	Batch#:	127644
Matrix:	Filtrate	Prepared:	07/26/07
Units:	ug/L	Analyzed:	07/26/07

Analyte	Result	RL
Antimony	ND	1.0
Arsenic	ND	1.0
Beryllium	ND	1.0
Cadmium	ND	1.0
Chromium	ND	1.0
Cobalt	ND	1.0
Copper	ND	1.0
Lead	ND	1.0
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	1.0
Silver	ND	1.0
Thallium	ND	1.0
Vanadium	ND	1.0
Zinc	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 6020
Matrix:	Filtrate	Batch#:	127644
Units:	ug/L	Prepared:	07/26/07
Diln Fac:	1.000	Analyzed:	07/26/07

Type: BS Lab ID: QC398058

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	89.18	89	80-120
Arsenic	100.0	97.99	98	80-120
Beryllium	100.0	95.92	96	80-120
Cadmium	100.0	96.88	97	80-120
Chromium	100.0	97.41	97	80-120
Cobalt	100.0	98.27	98	80-120
Copper	100.0	98.14	98	80-120
Lead	100.0	96.76	97	80-120
Molybdenum	100.0	92.00	92	80-120
Nickel	100.0	98.27	98	80-120
Selenium	100.0	100.3	100	79-120
Silver	100.0	92.10	92	80-120
Thallium	50.00	49.90	100	80-120
Vanadium	100.0	97.81	98	80-120
Zinc	100.0	95.84	96	80-120

Type: BSD Lab ID: QC398059

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	87.94	88	80-120	1	20
Arsenic	100.0	97.57	98	80-120	0	20
Beryllium	100.0	96.07	96	80-120	0	20
Cadmium	100.0	95.77	96	80-120	1	20
Chromium	100.0	97.42	97	80-120	0	20
Cobalt	100.0	97.60	98	80-120	1	20
Copper	100.0	96.85	97	80-120	1	20
Lead	100.0	96.05	96	80-120	1	20
Molybdenum	100.0	90.79	91	80-120	1	20
Nickel	100.0	97.77	98	80-120	1	20
Selenium	100.0	97.48	97	79-120	3	20
Silver	100.0	91.05	91	80-120	1	20
Thallium	50.00	49.31	99	80-120	1	20
Vanadium	100.0	97.32	97	80-120	1	20
Zinc	100.0	94.63	95	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 6020
Field ID:	3S/1E 10D8	Batch#:	127644
MSS Lab ID:	196218-001	Sampled:	07/25/07
Matrix:	Filtrate	Received:	07/25/07
Units:	ug/L	Prepared:	07/26/07
Diln Fac:	5.000	Analyzed:	07/26/07

Type: MS Lab ID: QC398060

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.1235	100.0	91.25	91	80-120
Arsenic	1.214	100.0	102.1	101	79-120
Beryllium	<0.01066	100.0	97.79	98	80-120
Cadmium	<0.008202	100.0	95.87	96	77-120
Chromium	6.262	100.0	102.9	97	77-120
Cobalt	0.04638	100.0	96.42	96	79-120
Copper	<0.03605	100.0	96.30	96	78-120
Lead	0.02065	100.0	91.79	92	80-120
Molybdenum	1.154	100.0	91.64	90	80-120
Nickel	1.275	100.0	98.03	97	75-120
Selenium	0.2970	100.0	104.1	104	69-120
Silver	<0.005482	100.0	88.07	88	73-120
Thallium	<0.003884	50.00	44.87	90	71-120
Vanadium	3.350	100.0	101.5	98	77-120
Zinc	7.970	100.0	96.14	88	61-125

Type: MSD Lab ID: QC398061

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	91.17	91	80-120	0	20
Arsenic	100.0	99.80	99	79-120	2	20
Beryllium	100.0	96.05	96	80-120	2	20
Cadmium	100.0	96.00	96	77-120	0	20
Chromium	100.0	102.9	97	77-120	0	20
Cobalt	100.0	96.65	97	79-120	0	20
Copper	100.0	96.44	96	78-120	0	20
Lead	100.0	91.98	92	80-120	0	20
Molybdenum	100.0	93.61	92	80-120	2	20
Nickel	100.0	97.85	97	75-120	0	20
Selenium	100.0	104.9	105	69-120	1	20
Silver	100.0	87.74	88	73-120	0	20
Thallium	50.00	44.80	90	71-120	0	20
Vanadium	100.0	101.0	98	77-120	0	20
Zinc	100.0	111.7	104	61-125	15	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	127647
Lab ID:	QC398067	Prepared:	07/26/07
Matrix:	Water	Analyzed:	07/26/07
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 #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	127647
Matrix:	Water	Prepared:	07/26/07
Units:	ug/L	Analyzed:	07/26/07
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC398068	5.000	5.210	104	80-120		
BSD	QC398069	5.000	5.280	106	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 26 Metals

Lab #:	196218	Location:	Hanson Radum
Client:	LFR Levine Fricke	Prep:	METHOD
Project#:	001-09567-01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	127647
Field ID:	ZZZZZZZZZZ	Sampled:	07/25/07
MSS Lab ID:	196239-005	Received:	07/25/07
Matrix:	Filtrate	Prepared:	07/26/07
Units:	ug/L	Analyzed:	07/26/07
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC398074	0.8730	5.000	5.780	98	80-123		
MSD	QC398075		5.000	5.400	91	80-123	7	20

RPD= Relative Percent Difference

APPENDIX C

Soil Boring Logs

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER B-1(A)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified; continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 70.0 ft
▽ **FIRST ENCOUNTERED WATER** 65.0 ft
▼ **STABILIZED WATER** 67.6 ft
LOGGED BY Larry Lapuyade **DATE** 7/17/07 - 7/18/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
				GM			Silty Gravel (GM), light yellowish brown (2.5Y 6/3), well-graded subangular fine to coarse gravel to 1-1/2 inches diameter, dry to moist		
			20 20 20					0.0	
			20 10 10			3.0	Silty Clay (CL), dark brown (10YR 3/3), low to medium plasticity, moist, firm	0.0	
5	B-1(A)-4.5	■	20 20 23				at 4 feet, color changes to black (5Y 2.5), odor of organic matter	0.0	5
			5 5 7				at 5 feet, color changes to dark yellowish brown (10YR 3/4) at 5.5 feet, color changes to very dark brown (10YR 2/2)	0.0	
			6 6 9					0.0	
10	B-1(A)-9.5	■	6 11 11				at 9 feet, becomes very dark grayish brown (2.5Y 3/2), moist to wet, soft	0.0	10
				CL				0.0	
								0.0	
								0.0	
15							at 14.5 feet, becomes dark brown (10YR 3/3), firm	0.0	15
								0.0	
								0.0	
20							at 17.25 feet, trace fine to coarse gravel to 1-1/2 inches diameter	0.0	20

(Continued Next Page)

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER B-1(A)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
							Silty Clay (CL), dark brown (10YR 3/3), low to medium plasticity, moist to wet, firm (continued)	0.0 0.0	
25									25
				CL			at 28.25 feet, color changes to black (2.5Y 2.5/1)	0.0 0.0 0.0	
30									30
						34.0		0.0 0.0 0.0 0.0	
35									35
	B-1(A)-36.5	■	18 19 20	SP/ GP			Sand with Gravel (SP) / Gravel with Sand (GP), olive brown (2.5Y 4/3), poorly graded coarse-grained sand, poorly graded subangular fine to coarse gravel to 2 inches diameter, wet	0.0 150	
								0.0 0.0	
						39.0	at 38.8 feet, silty clay interval 3 inches thick		
40				SC		40.5	Clayey Sand with Gravel (SC), dark yellowish brown (10YR 4/4), coarse-grained sand, abundant subrounded fine to coarse gravel to 2 inches diameter, wet		40
				SC		42.4	Clayey Sand (SC), olive brown (2.5Y 4/4), medium-grained sand, wet	0.0 0.0	
45				GC		45.1	Clayey Gravel with Sand (GC), olive brown (2.5Y 4/4), well-graded subangular fine to coarse gravel to 1-1/2 inches diameter, medium-grained sand, wet		45
				CL		45.8	Silty Clay (CL), olive brown (2.5Y 4/4), medium plasticity, wet, firm	0.0	
				GC			Clayey Gravel with Sand (GC), olive brown (2.5Y 4/4), well-graded subangular fine to coarse gravel to 1-1/2 inches diameter, medium-grained sand, wet	0.0	
50									50

(Continued Next Page)

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER B-1(A)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
							below 50 feet, subangular fine to coarse gravel to 3 inches diameter		
							Clayey Gravel with Sand (GC), olive brown (2.5Y 4/4), well-graded subangular fine to coarse gravel to 3 inches diameter, medium-grained sand, wet (continued)	0.0 0.0	
55									55
								0.0 0.0	
60				GC					60
								0.0 0.0	
							3-inch subrounded rock wedged in sampler shoe		
65							▽ depth to water in sediments at approximately 65 feet during drilling		65
	B-1(A)-GGW						▼ depth to water measured at 67.55 feet with Solinst after drilling		
70						70.0			70
							Bottom of boring at approximately 70 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 67.6 feet□.□		

COMMENTS

50 ft: Ended drilling for 7/17/07; resumed drilling remainder of boring on 7/18/07.

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-31(A)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified driven with 140-lb hammer
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 20.5 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER ---
LOGGED BY Larry Lapuyade **DATE** 7/17/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
				GM		1.2	Silty Gravel (GM), yellowish brown (10YR 5/4), well-graded subangular fine to coarse gravel to 2 inches diameter, moist		
			38 40 50	ML		2.5	Silt (ML), dark yellowish brown (10YR 3/4), dry to moist	0.0	
			13 13 16	CL		4.0	Silty Clay (CL), dark yellowish brown (10YR 3/4), medium plasticity, dry, very hard	0.0	
5			18 13 9	ML		5.5	Silt (ML), dark yellowish brown (10YR 3/4), dry	0.0	5
	EB-31(A)-5.5		4 7 5	CL			Silty Clay (CL), dark yellowish brown (10YR 4/6), medium plasticity, dry to moist, very hard	0.0	
			5 5 7			8.8		0.0	
10			5 7 8	ML		10.5	Silt (ML), dark yellowish brown (10YR 4/6), dry to moist	0.0	10
	EB-31(A)-10.5		7 7 9	CL			Silty Clay (CL), dark yellowish brown (10YR 4/6), medium plasticity, moist, firm	0.0	
			5 7 8			13.0		0.0	
			5 8 11	ML		15.0	Clayey Silt (ML), dark yellowish brown (10YR 4/6), nonplastic to low plasticity, moist	0.0	
15			6						15
	EB-31(A)-15.5		8 10	CL			Silty Clay (CL), dark yellowish brown (10YR 4/6), medium plasticity, moist, firm	0.0	
			5 7 8					0.0	
			5 8 14					0.0	
			5			19.5			
20			6	ML			Clayey Silt (ML), dark yellowish brown (10YR 4/4), low plasticity, moist, firm	0.0	20

(Continued Next Page)

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-31(A)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	EB-31(A)-20.5		10	ML		20.5	Clayey Silt (ML), dark yellowish brown (10YR 4/4), moist, firm (continued) Bottom of boring at approximately 20.5 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water)	0.0	

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-31(B)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified; continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 70.0 ft
▽ **FIRST ENCOUNTERED WATER** 67.5 ft
▼ **STABILIZED WATER** 64.8 ft
LOGGED BY Larry Lapuyade **DATE** 7/16/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
				GM/ ML			Silty Gravel (GM) / Gravelly Silt (ML), olive brown (2.5Y 4/4), poorly graded subangular fine gravel, moist	0.0	
							at 1.5 to 5 ft, PID readings from auger cuttings	0.0	
5						5.0		0.0	5
	EB-31(B)-5.5			ML		6.0	Clayey Silt (ML), dark brown (10YR 3/3), low plasticity, moist, firm	0.0	
				ML			Silt (ML), dark brown (10YR 3/3), moist, no staining or odor	0.0	
								0.0	
10						10.0			10
	EB-31(B)-10.5			CL			Silty Clay (CL), dark brown (10YR 3/3), medium plasticity, moist, firm	0.0	
15									15
	EB-31(B)-15.5		5 7 13			16.0		0.0	
			8 12 8	SP			Sand with Gravel (SP), olive brown (2.5Y 4/4), poorly graded fine-grained sand, abundant subrounded fine gravel, moist	0.0	
			3 5 10			18.5			
				CL			Silty Clay (CL), dark yellowish brown (10YR 4/4), low to medium plasticity, moist, firm	0.0	
20							at 20 feet, becomes very hard		20

(Continued Next Page)

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-31(B)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	EB-31(B)-20.5		3 3 3				Silty Clay (CL), dark yellowish brown (10YR 4/4), low to medium plasticity, moist, very hard (continued)	0.0	
							at 21.5 feet, start logging from auger cuttings		
25							at about 25 feet, color changes to dark brown (10YR 3/3)		25
30									30
35				CL					35
40									40
45									45
50									50

(Continued Next Page)

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-31(B)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
55				CL			Silty Clay (CL), dark brown (10YR 3/3), low to medium plasticity, moist, very hard (continued)		55
60									60
						62.0	Clayey Gravel with Sand (GC) / Gravelly Clay with Sand (CL), dark brown (10YR 3/3), medium-grained sand, wet		
65	EB-31(B) -GGW			GC/ CL			▼ depth to water measured at 64.8 feet with Solinst after drilling		65
							▽ depth to water in sediments somewhere between 65 and 70 feet during drilling		
70						70.0			70
							Bottom of boring at approximately 70 feet Borehole collapsed to approximately 60 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 64.8 feet.		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-31(C)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified driven with 140-lb hammer
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 20.0 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER ---
LOGGED BY Larry Lapuyade **DATE** 7/16/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
						0.6	Gravel fill over asphalt concrete		
			35 35 16	GC		2.0	Clayey Gravel (GC), olive brown (2.5Y 4/4), poorly graded subangular fine gravel, moist	0.0	
			8 10 14	SP		3.0	Sand (SP), gray (2.5Y 5/1), poorly graded fine- to coarse-grained sand, dry	0.0	
5	EB-31(C)-5		5 10 11	CL		5.0	Silty Clay (CL), dark brown (10YR 3/3), medium plasticity, moist, very hard at 4.5 feet, dry intervals at 5 feet, water in borehole	0.0	5
						8.0	[No sampling from 5 to 8 feet due to obstruction; see comment below]		
			5 5 6	ML		8.7	Silt (ML), dark olive brown (2.5Y 3/3), moist	0.0	
10	EB-31(C)-10.5		3 4 5	CL			Silty Clay (CL), dark olive brown (2.5Y 3/3), medium plasticity, moist, soft	0.0	10
			3 6 7			11.5		0.0	
			3 3 3	ML/ CL			Silt (ML) / Silty Clay (CL), dark olive brown (2.5Y 3/3), low to medium plasticity, moist, firm	0.0	
15	EB-31(C)-15.5		4 10 10					0.0	15
			3 6 6					0.0	
			6 9 9					0.0	
20	EB-31(C)-20		6 6 7			20.0	Bottom of boring at approximately 20 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water)	0.0	20

COMMENTS

5 ft: Pounded from 5 to 6 feet; no recovery because encountered metal wire at base of borehole at approximately 6 feet. Pulled approximately 60 feet of telephone wire from auger. Drilled to 8 feet to resume sampling.

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-35(A)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified driven with 140-lb hammer
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 10.5 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER ---
LOGGED BY Larry Lapuyade **DATE** 7/17/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			20 36 50	GM			Silty Gravel (GM), light olive brown (2.5Y 5/3), well-graded subangular fine to coarse gravel to 2 inches diameter, dry	0.0	
	EB-35(A)-3		40 44 40				at 2.5 to 4 feet, petroleum product observed: dry, similar to asphalt concrete, trace oil	0.0	
	EB-35(A)-4		80 90					0.0	
						4.5			
5			22 38 50	CL			Gravelly Clay (CL), olive brown (2.5Y 4/4), medium plasticity, abundant subangular fine to coarse gravel to 2 inches diameter, moist, firm	0.0	5
			11 16 11					0.0	
			13 12 13				at 7.5 feet, 2-1/2-inch-diameter gravel in sampler shoe; no recovery		
	EB-35(A)-9.5		4 5 6				at 9 feet, increasing moisture, very soft, less gravel	0.0	
10						10.5			10
							Bottom of boring at approximately 10.5 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water)		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-35(B)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified driven with 140-lb hammer
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 10.0 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER ---
LOGGED BY Larry Lapuyade **DATE** 7/17/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			14 38 50	GM			Silty Gravel (GM), light olive brown (2.5Y 5/3), poorly graded subrounded fine gravel, trace coarse gravel to 2-1/2 inches diameter, dry	0.0	
	EB-35(B)-2.5		48 50 50				at 2 to 2.5 feet, black petroleum product observed: dry, similar to asphalt concrete, trace oil	0.0	
			70					0.0	
5	EB-35(B)-5		40 45 10			5.5		0.0	5
			16 12 16	CL			Silty Clay (CL), olive brown (2.5Y 4/4), medium plasticity, moist, hard	0.0	
			7 7 8						
10	EB-35(B)-9		8 7 8			10.0		0.0	10
							Bottom of boring at approximately 10 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water)		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-35(C)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified driven with 140-lb hammer
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 11.5 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER ---
LOGGED BY Larry Lapuyade **DATE** 7/18/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
				GM			Silty Gravel (GM), light olive brown (2.5Y 5/3), well-graded subangular fine to coarse gravel to 3 inches diameter, dry		
	EB-35(C)-2.5		26 20 26			2.5		0.0	
			21 20 21	GC		3.0	Clayey Gravel (GC), olive brown (2.5Y 4/4), well-graded subangular fine to coarse gravel to 1-3/4 inches diameter, moist	0.0	
5	EB-35(C)-5.5		14 12 14	SW		5.8	Sand with Gravel (SW), olive brown (2.5Y 4/4), well-graded sand, subangular to subrounded fine gravel, moist	0.0	5
			11 17 27	CL			Silty Clay (CL), light olive brown (2.5Y 5/3), medium plasticity, moist, firm	0.0	
			14 17 39			8.5		0.0	
10			9 9 9	SM			Silty Sand (SM), olive brown (2.5Y 4/4), fine-grained sand, moist	0.0	10
	EB-35(C)-10.5		17 23 27			11.5	below 10 feet, trace gravel	0.0	
							Bottom of boring at approximately 11.5 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water)		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER EB-35(D)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified driven with 140-lb hammer
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 11.0 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER ---
LOGGED BY Larry Lapuyade **DATE** 7/17/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			14 30 35	GM			Silty Gravel (GM), light olive brown (2.5Y 5/3), well-graded subangular fine to coarse gravel to 2-1/2 inches diameter, dry	0.0	
	EB-35(D)-2.5		14 26 19			3.0	at 2 to 3 feet, petroleum product observed: dry, black, asphalt-like coating on sediment	0.0	
			13 14 14	CL			Silty Clay (CL), olive brown (2.5Y 4/4), medium plasticity, trace fine to coarse gravel to 2 inches diameter, moist, firm to hard	0.0	
5									5
	EB-35(D)-5.5		7 7 10					0.0	
			5 7 7					0.0	
	EB-35(D)-9.5		5 7 7					0.0	
10						11.0			10
							Bottom of boring at approximately 11 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water)		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(A)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD California Modified; continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 70.0 ft
▽ **FIRST ENCOUNTERED WATER** 65.5 ft
▼ **STABILIZED WATER** 65.2 ft
LOGGED BY Larry Lapuyade **DATE** 7/18/07 - 7/19/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
							Silty Clay (CL), light olive brown (2.5Y 5/4), medium plasticity, trace gravel, moist, very hard	0.0	
								0.0	
								0.0	
5								0.0	5
	SS-31(A)-5.5	■	7 9 12					0.0	
								0.0	
								0.0	
								0.0	
10								0.0	10
	SS-31(A)-10.5	■	8 12 15	CL				0.0	
							at 12 feet, color changes to black (10YR 2/1)	0.0	
								0.0	
								0.0	
15								0.0	15
	SS-31(A)-15.5	■	5 12 19					0.0	
								0.0	
								0.0	
								0.0	
20								0.0	20

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COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(A)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	SS-31(A)-20.5		13 18 18				Silty Clay (CL), black (10YR 2/1), medium plasticity, trace gravel, moist, very hard (continued)	0.0	
							at 22 feet, color changes to yellowish brown (10YR 6/8)	0.0	
								0.0	
25								0.0	25
	SS-31(A)-25.5		12 13 17					0.0	
								0.0	
								0.0	
30								0.0	30
	SS-31(A)-30.5		8 8 10					0.0	
								0.0	
35				CL					35
								0.0	
								0.0	
								0.0	
40								0.0	40
	SS-31(A)-40.5		18 17 23					0.0	
								0.0	
								0.0	
45								0.0	45
								0.0	
								0.0	
								0.0	
						49.0		0.0	
50				GM		50.0	Silty Gravel with Sand (GM), olive brown (2.5Y 4/4), well-graded subrounded fine to coarse gravel to 1-3/4 inches diameter, fine-grained sand, moist	0.0	50

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COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(A)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	SS-31(A)-50.5		12 17 23	CL			Silty Clay (CL), yellowish brown (10YR 6/8), medium plasticity, trace gravel, moist, very hard	0.0	
	SS-31(A)-52.5						at 52 to 53 feet, dark olive gray (5Y 3/2), petroleum hydrocarbon odor	0.0 0.0 0.0	
55							at 55 to 55.5 feet, trace subangular fine gravel		55
								0.0 0.0 0.0 0.0 0.0	
60									60
	SS-31(A)-60.5		8 12 17					0.0	
								0.0 0.0 0.0	
65	SS-31(A) -GGW						depth to water measured at 65.2 feet in borehole at end of drilling		65
	SS-31(A)-65.5					65.5 ▽	depth to water in sediments at approximately 65.5 feet at time of drilling	0.0	
				GM			Silty Gravel (GM), olive brown (2.5Y 4/4), well-graded subangular to subrounded fine to coarse gravel to 1-1/2 inches diameter, wet	0.0 0.0	
70						70.0			70
							Bottom of boring at approximately 70 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 65.2 feet.		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(B)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD Continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 70.0 ft
▽ **FIRST ENCOUNTERED WATER** 66.0 ft
STABILIZED WATER ---
LOGGED BY Larry Lapuyade **DATE** 7/19/07 - 7/20/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			GM		0.8	Silty Gravel (GM), olive brown (2.5Y 4/4), poorly graded subangular fine gravel, dry		
						Silty Clay (CL), olive brown (2.5Y 4/4), medium plasticity, dry, very hard		
5								5
	SS-31(B)-5.5						0.0	
							0.0	
10								10
	SS-31(B)-10.5		CL				0.0	
							0.0	
						at 12 feet, color changes to black (10YR 2/1)		
15								15
	SS-31(B)-15.5					at 15 feet, color changes to olive brown (2.5Y 4/4)	0.0	
							0.0	
							0.0	
20							0.0	20

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COMMENTS

APPROVED BY: _____ **DATE:** _____

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BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(B)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	SS-31(B)-20.5					Silty Clay (CL), olive brown (2.5Y 4/4), medium plasticity, moist, very hard (continued)	0.0 0.0	
25								25
	SS-31(B)-25.5					at 25 feet, color changes to yellowish brown (10YR 4/6)	0.0	
						at 27 feet, color changes to olive brown (2.5Y 4/4)	0.0 0.0 0.0	
30								30
	SS-31(B)-30.5						0.0	
35			CL				0.0 0.0 0.0 0.0	35
							0.0	
40	SS-31(B)-40						0.0 0.0 0.0	40
						at 43 to 43.5 feet, very dark grayish brown (2.5Y 3/2)	0.0	
45							0.0 0.0 0.0	45
							0.0	
50	SS-31(B)-50				50.0		0.0 0.0 0.0	50

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COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(B)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
55			GP			Gravel (GP), olive brown (2.5Y 4/3), poorly graded subrounded fine to coarse gravel to 2-1/2 inches diameter, moist	0.0 0.0	55
60						at 55 feet, increase in maximum gravel size to 3 inches, increasing clay	0.0 0.0	60
65	SS-31(B)-60.5						0.0 0.0	65
70	SS-31(B) -GGW				▽	depth to water in sediments at approximately 66 feet during drilling		70
					70.0	Bottom of boring at approximately 70 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 66 feet.		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(C)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD Continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 70.0 ft
▽ **FIRST ENCOUNTERED WATER** 66.0 ft
STABILIZED WATER ---
LOGGED BY Larry Lapuyade **DATE** 7/20/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
					0.5	Asphalt concrete fragments and gravel		
						Silty Clay (CL), light olive brown (2.5Y 5/4), medium plasticity, moist, very hard	9,999	
5								5
	SS-31(C)-5.5						9,999	
10			CL			at 9 to 10 feet, black (10YR 2/1)	9,999	10
	SS-31(C)-10.5							
15							2,500	15
	SS-31(C)-15.5					at 15 feet, color changes to olive brown (2.5Y 4/4)		
						at 17.5 to 18.5 feet, black (10YR 2/1)	274	
	SS-31(C)-19.5				19.5		71	
20			ML			Clayey Silt (ML), yellowish brown (10YR 5/8), nonplastic to low plasticity, moist, hard		20

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COMMENTS

APPROVED BY: _____ **DATE:** _____

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BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(C)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			ML		20.5	Clayey Silt (ML), yellowish brown (10YR 5/8), moist, hard (continued)		
			ML			Silt (ML), dark yellowish brown (10YR 3/4), wet	220	
25					25.0			25
	SS-31(C)-25.5		CL			Silty Clay (CL), dark brown (10YR 3/3), medium plasticity, very hard	134	
					28.8			
			SP		29.5	Sand with Gravel (SP), light yellowish brown (2.5Y 6/3), poorly graded fine-grained sand, subangular to subrounded fine gravel, wet		
30	SS-31(C)-30		ML			Silt (ML), light olive brown (2.5Y 5/4), moist		30
					31.8		23	
			GM		32.5	Silty Gravel (GM), olive brown (2.5Y 4/4), well-graded subangular to subrounded fine to coarse gravel to 2 inches diameter, moist		
			ML			Clayey Silt (ML), light olive brown (2.5Y 5/6), moist		
35					35.0			35
			CL			Silty Clay (CL), light olive brown (2.5Y 5/6), medium plasticity, moist, very hard	2.3	
40	SS-31(C)-40						0.0	40
					43.0		0.0	
45			GP			Gravel (GP), light olive brown (2.5Y 5/6), poorly graded subangular fine to coarse gravel to 3 inches diameter, moist	0.0	45
							0.0	
50							0.0	50

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COMMENTS

APPROVED BY: _____ **DATE:** _____

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BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(C)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	SS-31(C)-51					Gravel (GP), light olive brown (2.5Y 5/6), poorly graded subangular fine to coarse gravel to 3 inches diameter, moist (continued)	0.0 0.0	
55								55
							0.0 0.0	
60								60
	SS-31(C)-60.5		GP				0.0 0.0	
65								65
	SS-31(C) -GGW				▽	depth to water in sediments at approximately 66 feet during drilling	0.0	
	SS-31(C)-67.5						0.0	
70					70.0			70
						Bottom of boring at approximately 70 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 66 feet.		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(D)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD Continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 75.0 ft
▽ **FIRST ENCOUNTERED WATER** 65.5 ft
▼ **STABILIZED WATER** 66.8 ft
LOGGED BY Larry Lapuyade **DATE** 7/20/07 - 7/23/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			GM		1.0	Silty Gravel (GM), dark brown (10YR 3/3), poorly graded subangular fine gravel, moist	0.0	
			CL			Silty Clay (CL), light olive brown (2.5Y 5/3), medium plasticity, moist, very hard	0.0	
5								5
	SS-31(D)-5.5						0.0	
							0.0	
							0.0	
							0.0	
10								10
	SS-31(D)-10.5						0.0	
							0.0	
						at 12.5 feet, color changes to dark olive brown (2.5Y 3/3)	0.0	
15	SS-31(D)-15							15
							0.0	
							0.0	
	SS-31(D)-19.5						0.0	
20								20

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COMMENTS

APPROVED BY: _____ **DATE:** _____

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BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(D)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
25	SS-31(D)-25		CL			Silty Clay (CL), dark yellowish brown (10YR 3/4), low to medium plasticity, moist, soft to firm	0.0	25
							0.0	
							0.0	
						at 25 feet, increasing plasticity, hard	0.0	
							0.0	
						at 28 feet, color changes to olive brown (2.5Y 4/4)	0.0	
30	SS-31(D)-30		ML		29.0	Clayey Silt (ML), olive brown (2.5Y 4/4), moist		30
							0.0	
					32.0			
35			CL			Silty Clay (CL), olive brown (2.5Y 4/4), low to medium plasticity, moist, soft	0.0	35
						at 33.5 feet, becomes dark brown (10YR 3/3), medium plasticity, firm	0.0	
							0.0	
40	SS-31(D)-40						0.0	40
							0.0	
45					41.0	Clayey Gravel (GC), dark brown (10YR 3/3), subangular to subrounded fine to coarse gravel to 2-1/2 inches diameter, moist	0.0	45
			GC				0.0	
							0.0	
50							0.0	50

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COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-31(D)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	SS-31(D)-50.5					Clayey Gravel (GC), dark brown (10YR 3/3), subangular to subrounded fine to coarse gravel to 2-1/2 inches diameter, moist (continued)	0.0	
						at 50 to 51 feet, moist to wet	0.0	
55								55
							0.0	
			GC				0.0	
60								60
	SS-31(D)-60.5						0.0	
							0.0	
65								65
					65.5 ▽	depth to water in sediments at approximately 65.5 feet during drilling		
	SS-31(D) -GGW					Sand with Gravel (SP), olive brown (2.5Y 4/4), poorly graded fine- to coarse-grained sand, gravel, trace clay, wet		
					▼	depth to water measured at 66.8 feet in borehole after drilling		
70								70
			SP					
75					75.0			75
						Bottom of boring at approximately 75 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 66.8 feet.		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-123(AA)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD Continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 20.0 ft
▽ **FIRST ENCOUNTERED WATER** 16.0 ft
▼ **STABILIZED WATER** 15.7 ft
LOGGED BY Larry Lapuyade **DATE** 7/24/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 95)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			GM/ ML		0.5	Silty Gravel (GM) / Gravelly Silt (ML), light olive brown (2.5Y 5/3), poorly graded subangular to subrounded fine to coarse gravel to 1-1/4 inches diameter, dry Silty Clay (CL), black (10YR 2/1), medium plasticity, moist, very hard		
5								5
	SS-123(AA) -5.5					at 5 feet, color changes to very dark gray (2.5Y 3/1), trace subangular gravel	0.0	
	SS-123(AA) -7.5					at 7.5 feet, petroleum product observed: black asphalt bound with gravel and sand, pieces up to 2-1/2 inches, dry, no odor, similar to asphalt concrete (i.e., roadway paving)	0.0 0.0	
10								10
	SS-123(AA) -10.5		CL			at 10 feet, color changes to olive (5Y 5/3)	0.0	
						at 12.5 feet, petroleum product observed: black asphalt as described at 7.5 feet	0.0 0.0	
15						at 14.5 to 15 feet, concrete chunks		15
	SS-123(AA) -15.5					at 15.5 feet, petroleum product observed: black asphalt as described at 7.5 feet	0.0	
	SS-123(AA) -GGW					▼ depth to water measured at 15.65 feet in borehole after drilling ▽ at 16 feet, color changes to black (5Y 2.5); depth to water in sediments at approximately 16 feet during drilling	0.0 0.0	
	SS-123(AA) -18							
20					20.0	Bottom of boring at approximately 20 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water)		20

COMMENTS

15.5 ft: Petroleum product (e.g., asphalt) was observed only at depths noted above (7.5, 12.5, and 15.5 feet).
15.6 ft: After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 15.6 feet□; water was turbid, containing soil sediments.

APPROVED BY: _____ **DATE:** _____

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BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-123(F1)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD Continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 30.0 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER 20.8 ft
LOGGED BY Larry Lapuyade **DATE** 7/23/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
5			ML			Gravelly Silt (ML), light brownish gray (10YR 6/2), abundant subangular fine to coarse gravel to 2 inches diameter, moist	NM	5
	SS-123(F1) -5.5				9.0		NM	
10						Concrete or cement material, chunks or slabs, generally ground to powder during drilling, no recovery except cored a 4-1/2-inch length at approximately 10 feet		10
15					15.0		NM	15
	SS-123(F1) -15.5		SM			Silty Sand (SM), grayish brown (2.5Y 5/2), fine-grained sand, trace gravel, moist		
					17.0	at 16.5 to 17 feet, petroleum product observed: black asphalt concrete, dry		
			ML			Gravelly Silt (ML), gray (2.5Y 5/1), possibly ground concrete, moist	NM	
					18.0			
20						Concrete or cement material, ground to powder during drilling, no recovery		20

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COMMENTS

APPROVED BY: _____ **DATE:** _____

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BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-123(F1)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	SS-123(F1) -GGW				▼	Concrete or cement material, ground to powder during drilling, no recovery depth to water measured at 20.8 feet in borehole after drilling, clear water		
25					25.0			25
			CL			Silty Clay (CL), olive brown (2.5Y 4/4), medium plasticity, moist, soft (logged from auger cuttings)	NM	
30					30.0			30
						Bottom of boring at approximately 30 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 20.8 feet□.□		

COMMENTS

APPROVED BY: _____ **DATE:** _____

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BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-123(F2)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD Continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 30.0 ft
FIRST ENCOUNTERED WATER ---
STABILIZED WATER 25.8 ft
LOGGED BY Larry Lapuyade **DATE** 7/23/07 - 7/24/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 75 and CME 95)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			GM/ ML			Silty Gravel (GM) / Gravelly Silt (ML), light brownish gray (2.5Y 6/2), poorly graded subrounded fine gravel, dry	0.0	
5						at 1.2 feet, color changes to gray (2.5Y 6.1), moist at 1.5 feet, 0.3-foot-thick interval, silt, dark reddish gray (5YR 4/2), dry; odor of ground cement		5
	SS-123(F2)-6						0.0	
10								10
	SS-123(F2) -11.5						0.0	
15					15.0			15
	SS-123(F2) -16.5		SP			Sand with Gravel (SP), dark olive brown (2.5Y 3/3), poorly graded fine-grained sand, subrounded gravel, moist	0.0	
					16.5	Concrete or cement material, ground to powder during drilling, no recovery		
20					20.0			20

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COMMENTS

APPROVED BY: _____ **DATE:** _____

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BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-123(F2)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	SS-123(F2)-21		SC/ CL			Clayey Sand (SC) / Sandy Clay (CL), olive gray (5Y 4/2), medium-grained sand, low plasticity fines, trace fine to coarse gravel to 1-1/2 inches diameter, moist to wet	0.0	
					22.0	Concrete or cement material, ground to powder during drilling, no recovery; obstruction and refusal (see comments)		
25								25
	SS-123(F2) -GGW				▼	depth to water measured at 25.8 feet in borehole after drilling, water turbid with soil sediments		
30					30.0			30
						Bottom of boring at approximately 30 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 25.8 feet.		

COMMENTS

22 ft: Encountered concrete obstruction at 22 feet on 7/23/07; refusal; ended drilling for the day. Returned on 7/24/07 with more powerful drilling rig (CME 95) and advanced through the concrete obstruction.

APPROVED BY: _____ **DATE:** _____

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PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-123(F3)

PROJECT LOCATION 3000 Busch Road, Pleasanton, California
PROJECT NUMBER 001-09567-02
LOCATION Not recorded
SAMPLING METHOD Continuous soil core
GROUND ELEVATION Not available **HOLE DIAMETER** 8 inches
TOP OF CASING ELEVATION N/A **HOLE DEPTH** 30.0 ft
▽ **FIRST ENCOUNTERED WATER** 26.0 ft
▼ **STABILIZED WATER** 26.9 ft
LOGGED BY Larry Lapuyade **DATE** 7/24/07

DRILLING CONTRACTOR HEW Drilling
DRILLING METHOD Hollow Stem Auger (CME 95)
STAMP (IF APPLICABLE) AND/OR NOTES

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
			GM		1.0	Silty Gravel (GM), dark grayish brown (10YR 4/2), poorly graded subrounded fine to coarse gravel to 1-1/2 inches diameter, asphalt concrete fragments to 2-1/2 inches diameter in top 1/2 foot, moist		
			CL			Silty Clay (CL), olive brown (2.5Y 4/4), medium plasticity, moist, very hard; concrete fragment in sampler shoe results in poor recovery		
5					5.0			5
	SS-123(F3) -5.5		GM		5.5	Silty Gravel (GM), dark grayish brown (10YR 4/2), poorly graded subrounded fine to coarse gravel to 1-1/2 inches diameter, moist	0.0	
			CL			Silty Clay (CL), light olive brown (2.5Y 5/4), low plasticity, dry, very hard		
					7.0	trace gravel at soil contact with concrete		
						Concrete	0.0	
10					10.0		0.0	10
	SS-123(F3) -10.5					Silty Clay (CL), black (10YR 2/1), medium plasticity, moist, very hard	0.0	
						at 11.5 feet, color changes to dark olive gray (5Y 3/2)	0.0	
							0.0	
15							0.0	15
	SS-123(F3) -15.5		CL			at 15.5 to 17.5 feet, trace gravel	0.0	
						at 17.5 feet, color changes to dark yellowish brown (10YR 3/6)	0.0	
							0.0	
20							0.0	20

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COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

PROJECT NAME Hanson Radum
CLIENT Hanson Aggregates

BORING NUMBER SS-123(F3)

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	PID (ppm)	DEPTH (feet)
	SS-123(F3) -20.5		CL			Silty Clay (CL), dark yellowish brown (10YR 3/6), medium plasticity, moist, very hard (continued)	0.0 0.0 0.0	
25								25
	SS-123(F3) -25.5				26.0 ▽	depth to water in sediments at approximately 26 feet during drilling		
			ML		26.9 ▼	Silt with Sand (ML), dark olive gray (5Y 3/2), fine-grained sand, wet		
	SS-123(F3) -GGW					Clayey Silt (ML), dark olive gray (5Y 3/2), low plasticity, moist depth to water measured at 26.85 feet in borehole 40 minutes after drilling, turbid water		
30			ML		30.0			30
						Bottom of boring at approximately 30 feet Borehole backfilled with cement grout (5 sacks per 50 gallons water) After completion of drilling, collected grab groundwater sample using a disposable bailer; depth of sample is estimated to be at 26.9 feet□.		

COMMENTS

APPROVED BY: _____ **DATE:** _____

LFR

BORING+WELL 2007 001-09567-02 HANSON RADUM.GPJ LFR SEPT 2006.GDT 10/24/07

APPENDIX D

Groundwater Monitoring Well Sampling Field Sheets

LEVINE•FRICKE

WATER-QUALITY SAMPLING INFORMATION

Project Name: Hanson Radum

Project No.: 001-09567-01

Date: 7/12/07

Sample No.: TW-5

Samplers Name: Larry Lapuyade

Sampling Location: Pleasanton, CA

Sampling Method: Disposable Bailer

Analyses Requested: TPHd/mo, TPHg, Fuel Ox, VOCs (Full Scan)

Number and Types of Sample Bottles used: 1 L Amber unpreserved, 4 VOAs w/HCl

Method of Shipment: Hand Deliver

110.70
-53.20
57.50
x 0.16
34500
5750
9.2000

GROUND WATER

Well No.: TW-5

Well Diameter (in.): 2

Depth to Water, Static (ft): 53.20

Water in Well Box:

Well Depth (ft): 110.70

Height of Water Column in Well: 57.50

Water Volume in Well: 9.2 GAL

SURFACE WATER

Stream Width:

Stream Depth:

Stream Velocity:

Rained recently ?:

Other:

2-inch casing = 0.16 gal/ft

4-inch casing = 0.65 gal/ft

5-inch casing = 1.02 gal/ft

6-inch casing = 1.47 gal/ft

LOCATION MAP

TIME	DEPTH TO WATER (feet)	VOLUME WITHDRAWN (gallons)	TEMP (deg. C)	pH (S.U.)	COND (umhos/cm)	OTHER		REMARKS
1405								Begin Bailing
1450		9.5	20.2	6.47	62			Clear
1534		18.5	20.0	7.21	-2			Clear
1618		28	19.5	7.43	-14			Clear
1630	53.20							Collect Sample

Suggested Method for Purging Well:

24SEPT91

7

WELL MONITORING DATA SHEET

Project #: 070725-DW1	Client: LFR
Sampler: RC	Start Date: 7/25/07
Well I.D.: 3S/1E10D8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 212.45	Depth to Water: 56.32
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Pump intake @ ~200'

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- * Other 2" Redi-flo

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- * Other: NEW PE TU BING

25 (Gals.) X 3 = 75 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	(ft) DTW: (mV) Observations ORP
940	18.6	6.93	2468	95	initial	56.40 -2
947	18.8	6.91	1499	6	25	56.40 0
953	20.4	6.90	1215	5	50	56.44 2
959	20.6	6.96	1208	5	75	56.48 5
				Final DTW:	56.30'	

Did well dewater? Yes (No)	Gallons actually evacuated: 75
Sampling Time: 1008	Sampling Date: 7/25/07
Sample I.D.: 3S/1E10D8	Laboratory: STL (C&T)
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: see COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 070725-DW-1	Client: LFR
Sampler: DW	Date: 7-25-07
Well I.D.: 3S/1E10K2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 590.0	Depth to Water Pre: 55.50 Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:

Purge Method: X 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | X New Tubing | Other

~~Flow Rate~~: CV = 347.4 x 3 = 1042.2 gals

Pump Depth: 300'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL) .	Observations
1027	19.3	7.4	880	5	—	90	348	
1210	19.3	7.6	781	6	—	76	696	
1320	18.9	7.6	788	5	—	73	1043	

Did well dewater? Yes (No) Amount actually evacuated: 1043 gls.

Sampling Time: 1325 Sampling Date: 7-25-07

Sample I.D.: 3S/1E10K2 Laboratory: C+T

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) mo Other:

Equipment Blank I.D.: @ Time Duplicate I.D.: 3S/1E10K2-DUP @ 1330

WELL MONITORING DATA SHEET

Project #: 070725-DW1	Client: LFR
Sampler: PD	Start Date: 7/25/07
Well I.D.: 35/1E10N3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 191.02	Depth to Water: 56.80
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Pump intake @~180'

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- (A) Other 2" Redi-Flo

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- (A) Other: PE Tubing

21.4 (Gals.) X 3 = 64.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or (°C))	pH	Conductivity (mS or (µS))	Turbidity (NTU)	Gals. Removed	Observations (feet DTW: / (MW) ORP)
1040	21.1	7.48	748.0	27	initial	56.80 55
1046	20.6	8.16	735.2	6	21.5	56.80 60
1051	22.6	6.96	742.2	5	43	56.80 61
1056	21.8	7.13	738.4	5	64.5	56.80 61
				Final DTW: 56.84'		

Did well dewater? Yes (No) Gallons actually evacuated: 64.5

Sampling Time: 1102 Sampling Date: 7/25/07

Sample I.D.: 35/1E10N3 Laboratory: STL (C&T)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see cox

Equipment Blank I.D.: @ Time Duplicate I.D.:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV