



RECEIVED

2:20 pm, Mar 27, 2008

Alameda County
Environmental Health

Ian Robb
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9496
Fax (925) 842-8370
ianrobb@chevron.com

RE: Chevron Service Station # - 30-7233

Address 2259 First Street, Livermore, CA

I have reviewed the attached report dated 03/27/08.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga-Rovers & Associates (CRA) upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code section 13267(b) (1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Ian Robb

Attachment: Report



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

March 27, 2008

Mr. Jerry Wickham
Alameda County Environmental Health Services (ACEHS)
1131 Harbor Bay Parkway
Alameda, CA 94502

Re: **Subsurface Investigation Report and Well Installation Workplan**
Former Texaco Service Station (Chevron Site # 307233)
2259 First Street
Livermore, CA
RO #2908

Dear Mr. Wickham:

On behalf of Chevron Environmental Management Company (Chevron), Conestoga-Rovers & Associates (CRA), is submitting this *Subsurface Investigation Report*, in response to ACEHS letters, dated August 22 and October 11, 2007 (Attachment A). The objective of the investigation was to further define and evaluate hydrocarbon impacts from previous Standard Oil service station activities. Our investigation results, conclusions and recommendations are presented below.

SITE BACKGROUND

The former service station site is the location of Mills Square Park, owned by the City of Livermore and located on the east corner of First Street and North Livermore Avenue in Livermore, California. Topography around the site slopes gently to the north at an elevation of approximately 485 feet above mean sea level (Figure 1). The park consists of grass and trees with a concrete walkway.

Aerial photos indicate that the site was a retail service station prior to 1973. The earliest available aerial photograph was from 1959. This photo shows a station building located on the southern edge of the property and two dispenser islands located on the western portion of the property (Figure 2). The 1973 aerial photograph indicates that the station building and dispenser island had been removed and only a paved lot remained. By 1978, the property had been redeveloped as a park. The park remains in the same configuration as shown on the 1978 aerial photo.

CURRENT INVESTIGATION

To investigate potential preferential migration pathways and to define the extent of residual hydrocarbons, CRA advanced cone penetration testing (CPT) borings CPT1 and CPT2 on North Livermore Avenue and soil borings SB6 through SB9 within the park. Shallow soil borings SSB1 through SSB11 were advanced to investigate the

Equal
Employment
Opportunity Employer



occurrence of lead in shallow soil. CRA also installed nested soil vapor probes VP1 through VP3 to evaluate risks from potential vapor intrusion into an adjacent building, and to determine if elevated levels of benzene are present in subsurface soil gases. Figure 2 illustrates the locations of these borings. CPT borings were advanced to approximately 55 feet below grade (fbg). Soil borings were advanced using Geoprobe® technology or with hollow-stem augers to depths ranging from 25 to 55 fbg. Nested soil vapor probes were installed at 5 and 10 fbg. Shallow soil samples for lead analysis were collected between 1 and 10 fbg using hand-augers and an air-knife-equipped vacuum truck. The investigation procedures and results are presented below.

Project Personnel: Ian Hull, Sarah McNaboe, Jonathan Williams and Erica Namba conducted all fieldwork under the supervision of California Professional Geologist Robert C. Foss, P.G. No. 7445.

Permits: Work was performed under Zone 7 Water Agency Permit No. 28001 and City of Livermore Encroachment Permit No. EN070478 (Attachment B).

Drilling Companies: Gregg Drilling & Testing, Inc. (Gregg) (C57 License No. 485165) advanced the CPT, GeoProbe® and soil borings and collected some of the shallow soil samples. RSI Drilling (RSI) (C57 License No. 802334) collected the remaining shallow soil samples and Vironex Environmental Field Services (Vironex) (C57 License No. 705927) installed the soil vapor probes.

Utility Clearance: Underground Service Alert (USA) contacted local utility providers to mark known utilities around proposed boring locations and a private utility locating company checked for additional subsurface utilities. The first 8 feet of each boring were cleared using hand-augers or an air-knife-equipped vacuum truck.

CPT Borings: CPT borings CPT1 and CPT2 were each advanced to 55 fbg. Due to miscommunication with field workers, the proposed scope of work to advance these borings to approximately 80 fbg and collect multiple grab groundwater samples from potential water-bearing zones was not completed. This was relayed to ACEHS in a phone conversation on March 13, 2008. During that conversation, ACEHS requested CRA submit the subsurface investigation report before determining if completion of the original scope of work is necessary. CRA collected grab groundwater samples from first encountered groundwater at approximately 27 fbg. Soil samples were collected at the capillary fringe zone, at intervals of distinct lithologic change and immediately below signs of possible hydrocarbon impact. Soil samples were screened for organic vapors using a photoionization detector (PID). Upon completion, the borings were backfilled to grade with Portland type I/II grout using a tremie pipe and patched to match the existing surface. Gregg's CPT report is presented as Attachment C.

Soil Borings: Soil borings SB6 through SB9 were advanced within Mills Square Park to depths ranging from 25 to 55 fbg. SB9 was advanced using GeoProbe® technology to 55 fbg. However, due to the technology, "smeared" silt and clay along the borehole wall prevented the infiltration of groundwater. SB6, SB7 and SB8



were advanced using hollow-stem augers to avoid inhibiting groundwater infiltration and to ensure greater accuracy in determination of the groundwater interface. CRA geologists logged soil continuously in the field using the Universal Soil Classification System (USCS) ASTM D-2487 guidelines and screened soils with a photo-ionization detector (PID). Soil samples were collected for laboratory analysis at 10 foot intervals, starting from 5 fbg to the total depth of each boring. One extra sample was collected from SB8 where PID screening, visible-staining or odor suggested hydrocarbon impact.

Groundwater Sampling: Groundwater was encountered at depths ranging from 22 to 34 fbg. Grab groundwater samples were collected from each boring, except SB9. Due to an insufficient amount of groundwater in SB8, total petroleum hydrocarbons as motor oil (TPHmo) analysis was not possible. Samples were labeled, placed on ice and transported to a Chevron-approved laboratory under proper chain of custody. Upon completion, the borings were backfilled to grade with Portland type I/II grout using a tremie pipe and patched to match the existing surface. Lithologic logs showing sediment lithology, sample depths and soil vapor probe installation details are presented as Attachment D.

Shallow Soil Borings (Investigation of Lead in Shallow Soil): Shallow soil borings SSB1 through SSB11 were advanced to 10 fbg, or until refusal, to investigate the occurrence of elevated lead concentrations in shallow soil. Air-knife-equipped vacuum trucks were used due to coarse gravels in the borings. Disturbed soil samples were collected using hand-augers at approximately 1.5, 3, 5 and 10 fbg. When large rocks or caving of gravels occurred above 10 fbg, CRA collected samples at the depth of refusal. Hand-auger cuttings were logged continuously in the field using USCS ASTM D-2487 guidelines and were screened with a PID. Soil samples were analyzed for total lead by EPA Method 6010B. No significant staining, odor or elevated PID readings were observed in any of the soil samples except for samples from boring SSB2. Samples from SSB2 at 2.5, 4.5, and 8 fbg were also analyzed for hydrocarbon constituents as outlined below based on slightly elevated PID readings.

Soil Vapor Probe Construction and Installation: Vapor points VP1 through VP3 were installed as nested soil vapor probes at depths of 5 and 10 fbg. Soil vapor probes were constructed using a ¼-inch diameter, 6-inch stainless steel screen attached to ¼-inch Teflon tubing. Each probe was placed at the desired depth and surrounded by a 12-inch sand pack. Each probe was isolated from the others by approximately 6-inches of dry bentonite and then a hydrated bentonite grout mixture. Soil vapor points were finished at the surface using a traditional well vault. Borings for VP1 and VP3 hit refusal at 8.5 fbg and the soil vapor probes were installed by pushing a ½-inch rod through coarse gravels to 10 fbg. The rod was filled with a filter pack of Monterey Sand #2/12, then the rod was removed. CRA personnel continuously logged the soil lithology and collected soil samples for laboratory analysis at 4.5 fbg and the bottom of the boring. CRA personnel collected one undisturbed sample for physical parameter analyses using a slide-hammer sampler. Soil vapor probes were installed



according to the Department of Toxic Substances Control (DTSC) *Advisory-Active Soil Gas Investigations* guidance document, dated January 28, 2003.

Soil Vapor Sampling: A closed circuit system was created by attaching a Summa™ canister to a sampling manifold prior to connecting to the soil vapor probe. The sampling manifold consists of a sediment filter, gauges and a flow restrictor. A purge canister and sample canister are connected to the manifold and a shut-in test was performed to determine if there are any leaks within the system prior to connecting to the soil vapor probe. Once completed, the system was connected to the soil vapor probe and an appropriate volume of stagnant air was purged so the sample was representative of actual soil concentrations. After purging, the sample SUMMA™ canister valve was opened and the vacuum of the Summa™ canister was used to draw the soil vapor through the flow controller until a negative pressure of approximately 5-inches of mercury (Hg) was observed on the vacuum gauge.

In accordance with the DTSC *Advisory-Active Soil Gas Investigations* guidance document, dated January 28, 2003, leak testing was performed during sampling. Helium was used to determine if ambient air was entering the Summa™ canisters during sampling by fully enclosing the sampling manifolds and introducing helium into the covered area. Helium was analyzed for by method ASTM D-1946. After sampling, the Summa™ canisters were packaged and sent to the Air Toxics Laboratory under proper chain-of-custody for analysis.

Lithology: Silty sand with gravel was encountered from the surface to 9 fbg, underlain by sandy gravel with silt to approximately 18.5 fbg. Silty sand and sandy silt underlie the gravels to the total depth explored of 55 fbg. Lithologic logs showing sediment lithology, sample depths and soil vapor probe installation details are presented as Attachment D.

Chemical Analysis: Select soil and grab groundwater samples were analyzed for the following:

- TPHg, TPHd with silica gel cleanup and TPHmo by modified EPA Method 8015M;
- Benzene, toluene, ethylbenzene and xylenes (BTEX), fuel oxygenates methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), t-butyl alcohol (TBA), and lead scavengers 1,2-dichloroethane (1,2-DCA) and 1,2-dibromoethane (EDB) by EPA Method 8260B;
- Lead by EPA Method 6010B and
- Physical parameters including moisture content, bulk density, total porosity, air- and water-filled porosity, organic carbon and effective permeability in one undisturbed soil sample.

Soil Vapor Chemical Analysis: Soil vapor samples were analyzed for the following:

- TPHg by EPA Method TO-3;



- BTEX, fuel oxygenates MTBE, DIPE, ETBE, TAME, TBA, and lead scavengers 1,2-DCA and EDB, naphthalene by EPA Method TO-15; and
- O₂, CO₂, CH₄ and helium by ASTM D-1946 (GC/TCD).

Tables 1, 2, and 3 summarize the analytic results for soil chemical and metal analyses. Tables 4 and 5 summarize the analytic results for groundwater. Table 6 summarizes the analytic results for soil vapor. Table 7 presents the soil physical parameters. The laboratory analytic reports are included as Attachment E.

Soil and Water Disposal: Soil and water produced during field activities were temporarily stored on site in properly labeled 55-gallon drums. Following review of analytic results, the soil and water will be transported to an appropriate Chevron-approved facility for disposal.

Hydrocarbon Distribution in Soil

Soil samples from all soil borings (SB), one shallow soil boring (SSB) and all soil vapor borings (VP) were analyzed for petroleum hydrocarbons. TPHg was detected at a maximum of 530 milligrams per kilogram (mg/kg) in SB8 at 34.5 fbg. TPHd and TPHmo were detected at concentrations of 100 and 380 mg/kg, respectively, in CPT1 at 36 fbg. The maximum detection of benzene was 0.007 mg/kg in SB8 at 39.5 fbg.

ACEHS requested multiple shallow soil samples (less than 10 fbg) to be analyzed for lead, based on a previous 2004 *Soils and Groundwater Investigation Report* submitted by Fugro West, Inc. (Fugro) to the City of Livermore as part of the city's redevelopment process. Fugro detected lead at a maximum concentration of 3,700 mg/kg at 3 fbg. Samples collected from all soil borings were analyzed for lead, a total of 18 locations, ranging in depth from 1.5 to 39.5 fbg. Reported concentrations were compared to direct exposure screening levels (DESLs) as presented in the Regional Water Quality Control Board – San Francisco Bay Region's (RWQCB) *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, dated November 2007. Within the top 1.5 fbg, where the greatest potential for soil contact would occur, lead was detected at a maximum of 189 mg/kg, below the DESL of 260 mg/kg for residential exposure (Table K-1). Between 2.5 to 39.5 fbg, the maximum detection of lead was 616 mg/kg, below the DESL of 750 mg/kg for both commercial/industrial exposure (Table K-2) and construction/trench worker exposure (Table K-3).

Hydrocarbon Distribution in Groundwater

Grab groundwater samples were collected from borings SB6 through SB9 and CPT1 and CPT2. Dissolved phase TPHg and TPHd were detected in all samples, with maximum detections in SB8 of 18,000 and



52,000 micrograms per liter ($\mu\text{g/L}$), respectively. TPHmo was not analyzed for in SB8 because sediment infiltration impeded groundwater collection. TPHmo was detected at 1,500 $\mu\text{g/L}$ in both CPT1 and CPT2. The highest detection of benzene was 14 $\mu\text{g/L}$ in CPT2.

Hydrocarbon Distribution in Soil Vapor

Soil gas was collected from the three vapor points at depths of 5 and 10 fbg. ACEHS had requested that potential risk of vapor intrusion be evaluated for the building adjacent to the park and to determine if there were elevated benzene concentrations in soil gases in the subsurface near the former product lines. Benzene was not detected above method reporting limits in any samples. All other constituents were either below method detection limits or at least two orders of magnitude below shallow soil gas screening levels for evaluation of potential vapor intrusion concerns (Table E-2) for commercial/industrial land use. In VP1-5, oxygen was detected above atmospheric conditions at an anomalous 38%. According to Air Toxics LTD., the lab that performed the analysis, high oxygen concentrations can result when ambient air is introduced during the sampling process and can be compounded by dilution factors from canister pressurization. There is also the remote possibility of a high concentration of oxygen in the subsurface due to unknown sources. Table 6 summarizes the analytic results for soil vapor.

CONCLUSIONS

Based upon analysis of soil, grab groundwater and vapor samples collected beneath the site, residual hydrocarbons from former service station operations are present in subsurface soil and groundwater. The highest concentrations of hydrocarbon constituents detected in groundwater were of TPHg and TPHd. CRA proposes to install three groundwater monitoring wells to determine stabilized groundwater concentrations. Soil gas concentrations were collected to determine if potential risk existed from possible vapor intrusion into the building adjacent to the park and for any future development at the park. Benzene was not detected above the method detection limit, and all other carcinogens were at least three orders of magnitude below the soil gas screening levels. Due to the anomalous oxygen concentration, CRA will resample VP1 at 5 and 10 fbg to verify that the building is not potentially at risk from vapor intrusion.

PROPOSED SCOPE OF WORK

CRA proposes to advance three soil borings and construct monitoring wells in each, with screened intervals of 20 to 45 fbg. Groundwater flow direction is believed to be west to northwest based on data reported from four service stations in the area currently monitored quarterly. Fluctuations of groundwater elevation of approximately



10 to >30 feet have been reported in the monitoring wells at these nearby sites. Wells will be sampled for a minimum of four quarters, and if results are below water quality standards for Alameda County, the wells will be subsequently destroyed. The proposed well locations are illustrated on Figure 3. CRA will resample vapor probe VP1 at 5 and 10 fbg by the previously approved methods.

Site Health and Safety Plan: CRA will prepare a site health and safety plan to protect site workers. The plan will be reviewed and signed by all site workers/visitors and kept onsite at all times.

Permits: CRA will obtain well permits from the Zone 7 Water Agency, and any other required permits from the City of Livermore prior to field activities.

Underground Utility Location: CRA will contact USA to identify potential utilities in the vicinity of all proposed well locations. A private utility locator has already checked for additional subsurface utilities. Per Chevron safety protocols, each boring will be cleared to eight fbg using an air-knife equipped vacuum rig or hand auger.

Soil Boring/Well Completion: Three soil borings will be advanced with hollow stem augers and converted to monitoring wells MW-1 through MW-3 to depths of approximately 45 fbg. Wells will be completed using 2-inch diameter schedule 40 PVC, with a 0.020-inch slotted screened.

Sampling Protocol: Soil will be sampled at approximately 5 foot intervals and select samples will be analyzed to verify previous findings. Samples will be collected in clean brass liners placed in a split-spoon sampler driven into undisturbed sediments ahead of the augers. Groundwater samples will be collected from completed and properly developed wells. Soil samples will be properly sealed, placed on ice, and transported under proper chain of custody to a Chevron-approved, State-certified laboratory for analysis. CRA's standard field procedures for groundwater well installation are presented as Attachment F.

After completion of the newly installed wells, Chevron contractor Gettler-Ryan will be contacted to schedule development of the wells. Results of groundwater sample analyses of new wells will be reported as the first quarter monitoring and sampling report generated by Gettler-Ryan.

Chemical Analysis: Select soil and groundwater samples will be analyzed for the following:

- TPHg and TPHd with silica gel cleanup by modified EPA Method 8015M;
- Benzene, toluene, ethylbenzene and xylenes (BTEX), fuel oxygenates and lead scavengers 1,2-dichloroethane (1,2-DCA) and 1,2-dibromoethane (EDB) by EPA Method 8260B.



**CONESTOGA-ROVERS
& ASSOCIATES**

Mr. Jerry Wickham
March 27, 2008

Soil Disposal: Soil cuttings produced during field activities will be temporarily stored on site. Soil cuttings will be profiled for appropriate disposal. Following review of analytic results, the soil will be transported to a Chevron-approved facility for disposal.

Reporting: Upon completion of field activities and review of the analytic results, we will prepare an investigation report that, at a minimum, will contain:

- Descriptions of the drilling and sampling methods;
- Boring logs;
- Tabulated soil analytic results;
- Analytic reports and chain-of-custody forms;
- Disposal methods for soil and any produced water;
- An evaluation of the extent of hydrocarbons in the subsurface and;
- Conclusions and recommendations.

SCHEDULE

CRA will proceed with the proposed scope of work upon receipt of written approval from the ACEHS. After approval, CRA will take approximately four to six weeks to obtain the necessary drilling permits and to schedule the subcontractors at their earliest availability. We will submit our investigation report approximately six to eight weeks after completion of field activities.

CLOSING

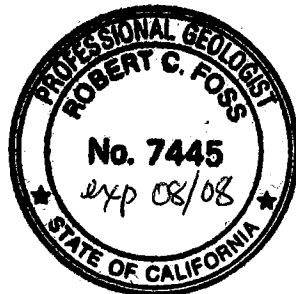
We appreciate the opportunity to work with you on this project. Please contact Charlotte Evans at (510) 420-3351 or Ian Robb at (925) 842-9496 if you have any questions or comments regarding this work.

Sincerely,

Conestoga-Rovers & Associates

Charlotte Evans

Robert C. Foss, P.G. #7445





**CONESTOGA-ROVERS
& ASSOCIATES**

Mr. Jerry Wickham
March 27, 2008

Figures: 1 – Vicinity Map
2 – Site Plan
3 – Site Plan with Proposed Well Locations

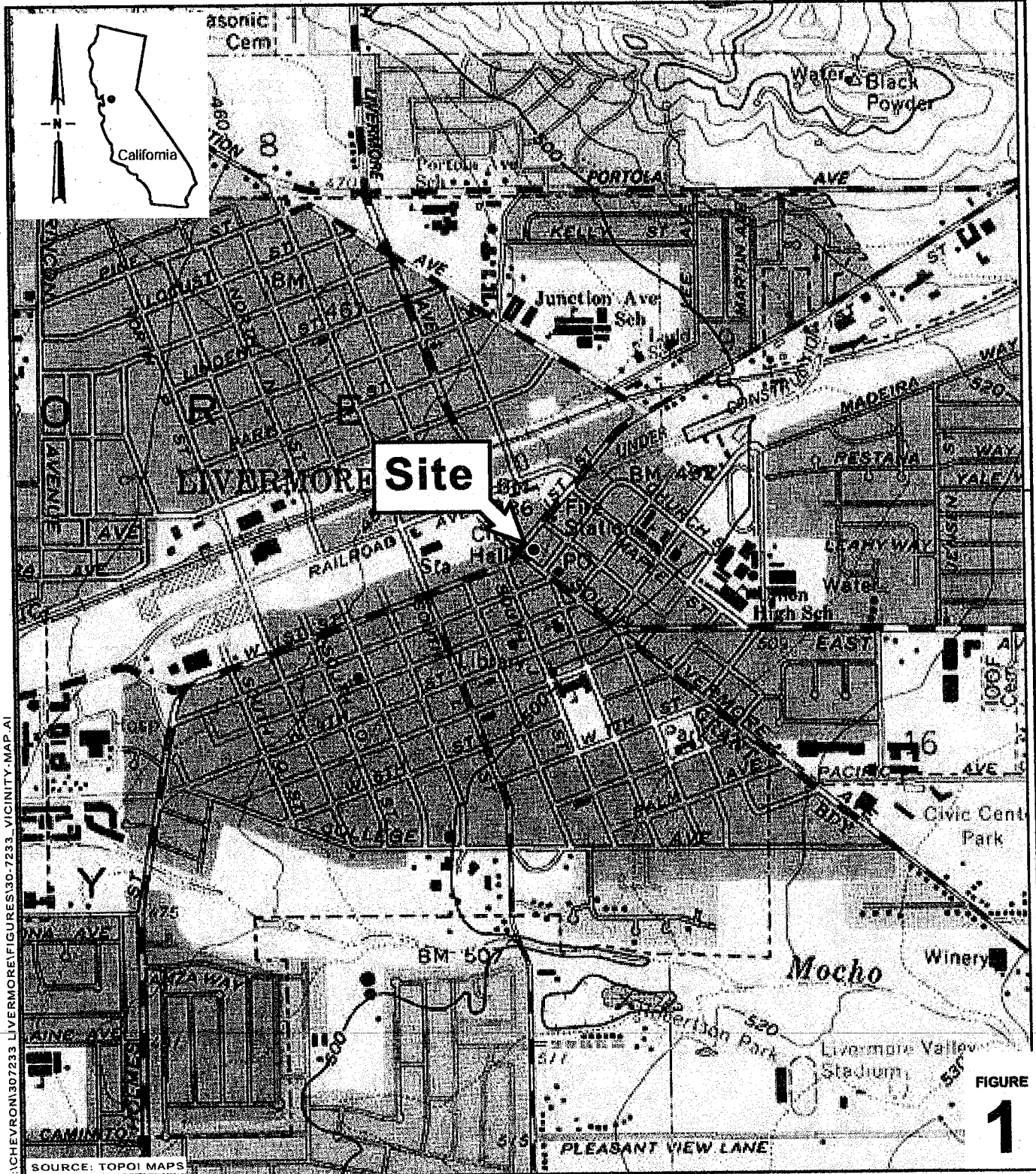
Tables: 1 – Analytic Results for Soil: Hydrocarbons
2 – Analytic Results for Soil: Fuel Oxygenates
3 – Analytic Results for Soil: Metals
4 – Analytic Results for Groundwater: Hydrocarbons
5 – Analytic Results for Groundwater: Fuel Oxygenates
6 – Analytic Results for Soil Vapor
7 – Analytic Results for Soil Physical Parameters

Attachments: A – Regulatory Correspondence
B – Permits
C – CPT Report (Gregg)
D – Boring Logs
E – Laboratory Analytical Reports

cc: Mr. Ian Robb, Chevron Environmental Management Company, 6001 Bollinger Canyon Road,
San Ramon, CA 94583
Chris Davidson, City of Livermore Economic and Redevelopment, 1052 South Livermore
Avenue, Livermore, CA 94550
Wyman Hong, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551

I:\Chevron\307233 Livermore\2008 Investigation\Report\307233 2008 SSI Rpt DFT CE edits.03.20.08.doc

Conestoga-Rovers & Associates (CRA) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to CRA from outside sources and/or in the public domain, and partially on information supplied by CRA and its subcontractors. CRA makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by CRA. This document represents the best professional judgment of CRA. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.



I:\CHEVRON\307233 LIVERMORE\FIGURES\30-7233_VICINITY-MAP-A1

SOURCE: TOPOI MAPS



SCALE : 1" = 1/4 MILE

FIGURE
1

Chevron Service Station 30-7233
 2259 First Street
 Livermore, California

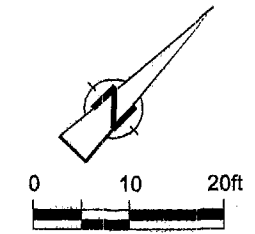


**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map

FIRST STREET

LIVERMORE AVENUE



LEGEND

- SB1 ■ SOIL BORING LOCATION
- B1 ■ SOIL BORING LOCATION (FUGRO 2003)
- CPT1 ● CPT LOCATION
- VP1 ▲ VAPOR PROBE LOCATION
- SSB1 ☒ SHALLOW SOIL SAMPLE LOCATION

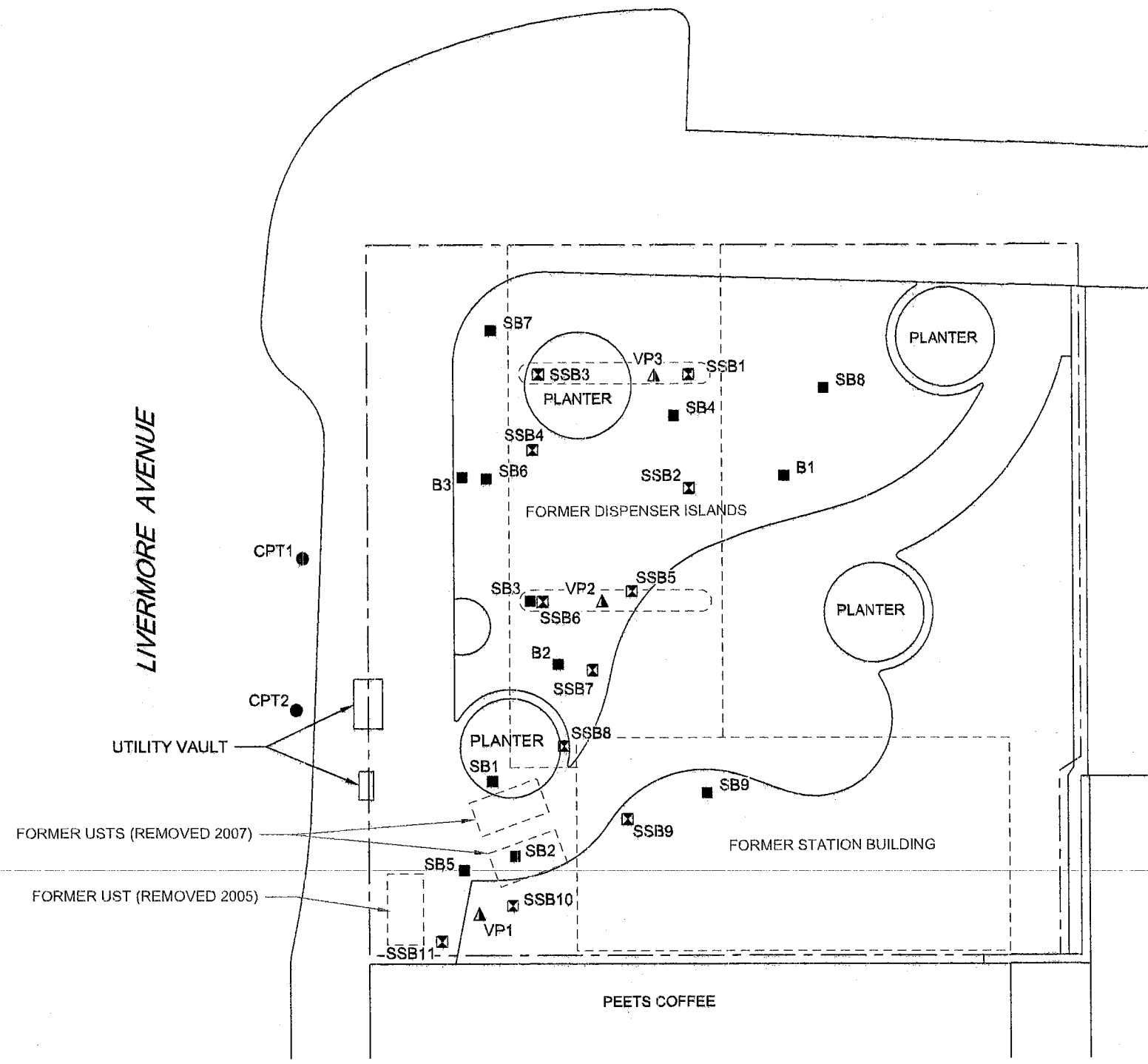
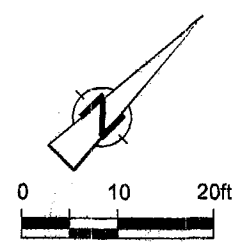
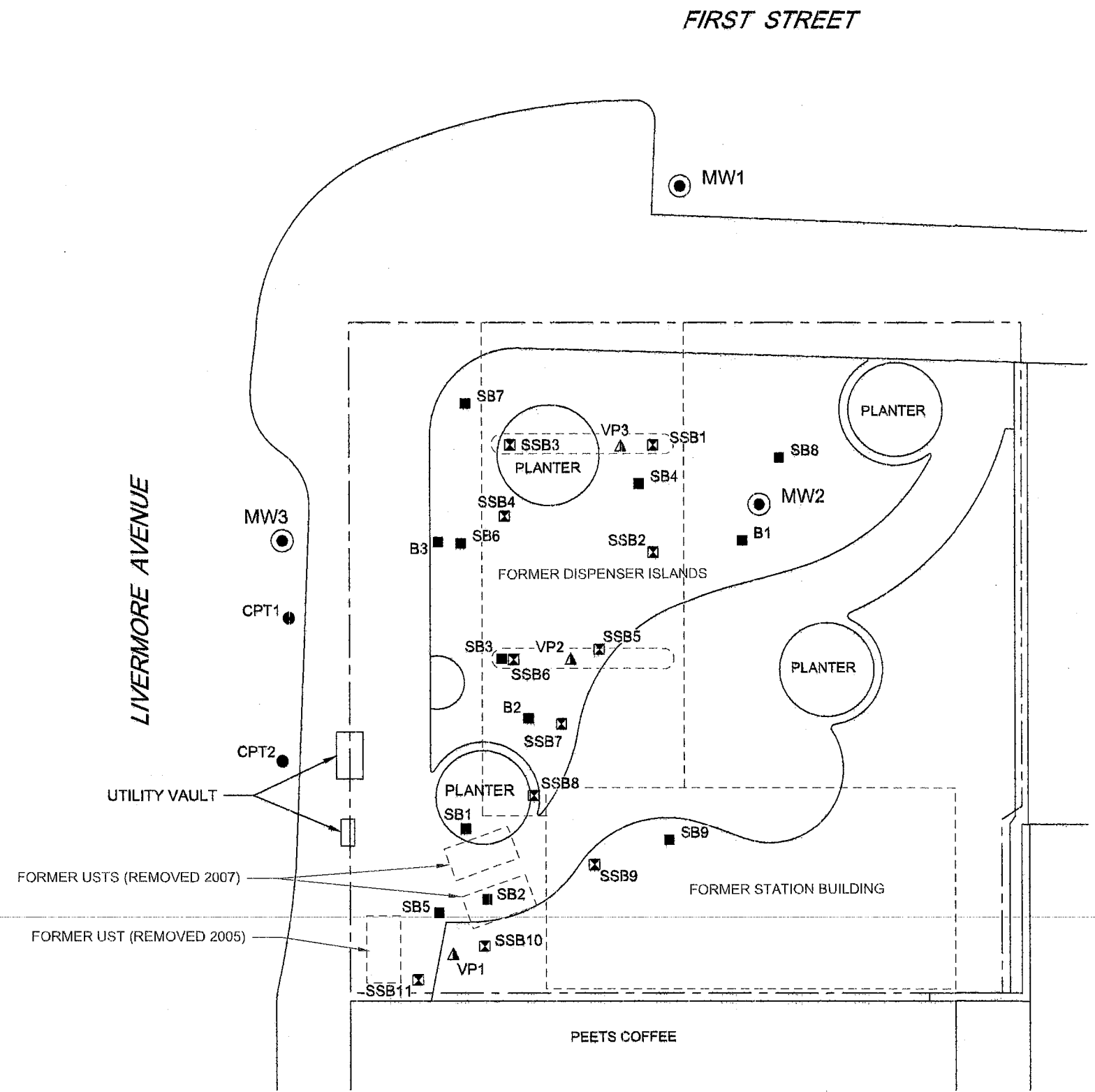


figure 2

SITE PLAN
 FORMER CHEVRON STATION 30-7233
 2259 FIRST STREET
 Livermore, California



SOURCE: BASEMAP MODIFIED FROM AERIAL PHOTOGRAPHS



LEGEND

- SB1 ■ SOIL BORING LOCATION
- B1 ■ SOIL BORING LOCATION (FUGRO 2003)
- CPT1 ● CPT LOCATION
- VP1 ▲ VAPOR PROBE LOCATION
- SSB1 ☒ SHALLOW SOIL SAMPLE LOCATION
- MW1 ● PROPOSED WELL LOCATION

figure 3
 SITE PLAN WITH PROPOSED WELL LOCATIONS
 FORMER CHEVRON STATION 30-7233
 2259 FIRST STREET
 Livermore, California



SOURCE: BASEMAP MODIFIED FROM AERIAL PHOTOGRAPHS

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Soil: Hydrocarbons - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	TPHd	TPHmo	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg									
SB6	1/28/2008	1-8*	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB6	1/28/2008	9.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB6	1/28/2008	19.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB6	1/28/2008	24	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB7	1/28/2008	1-8*	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB7	1/30/2008	9.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB7	1/30/2008	19.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB7	1/30/2008	29.5	3.7	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB7	1/30/2008	34.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB8	1/28/2008	1-8*	<1.0	18	53	<0.0005	<0.0009	<0.0009	<0.0009
SB8	1/31/2008	19.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB8	1/31/2008	29.5	1.2	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB8	1/31/2008	34.5	530	67	<10	<0.027	<0.054	0.10	<0.054
SB8	1/31/2008	39.5	<1.0	<4.0	<10	0.007	0.002	0.015	0.007
SB9	1/28/2008	1-8*	1.3	13	32	<0.0005	<0.001	<0.001	<0.001
SB9	1/29/2008	15	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB9	1/29/2008	27.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB9	1/29/2008	34.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB9	1/29/2008	46.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
SB9	1/29/2008	54.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
CPT1	2/5/2008	21	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
CPT1	2/5/2008	36	1	100	380	<0.0005	<0.001	<0.001	<0.001
CPT2	2/4/2008	22	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
CPT2	2/4/2008	30	4.4	27	<10	<0.026	<0.052	1.1	0.18
CPT2	2/4/2008	35	1.3	<4.0	<12	0.0009	<0.001	<0.001	0.002
SSB2	2/1/2008	2.5	1.2	11	--	<0.0005	<0.001	<0.001	<0.001
SSB2	2/1/2008	4.5	<1.0	4.4	--	<0.0005	<0.001	<0.001	<0.001
SSB2	2/1/2008	8	<1.0	<4.0	--	<0.0005	<0.001	<0.001	<0.001
VP1	2/1/2008	4.5	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
VP1	2/1/2008	8	<1.0	<4.0	<10	<0.0005	<0.0009	<0.0009	<0.0009

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Soil: Hydrocarbons - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	TPHd	TPHmo	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg									
VP2	2/1/2008	4.5	<1.0	25	54	<0.0005	<0.0009	<0.0009	<0.0009
VP2	2/1/2008	9.5	<1.0	<4.0	<10	<0.0005	<0.0009	<0.0009	<0.0009
VP3	2/1/2008	4.5	1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001
VP3	2/1/2008	8	<1.0	<4.0	<10	<0.0005	<0.001	<0.001	<0.001

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd) and motor oil (TPHmo) by EPA Method 8015M

Benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA Method 8260B

fbg = Feet below grade

* = Cobbles made discrete soil sampling impossible in these locations, these samples represent a disturbed composite taken over a range of depths

<x = Not detected above method detection limit

CONESTOGA-ROVERS & ASSOCIATES

Table 2. Analytic Results for Soil: Fuel Oxygenates - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	Sample Depth (fbg)	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
Concentrations reported in milligrams per kilogram - mg/kg									
SB6	1/28/2008	1-8*	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
SB6	1/30/2008	9.5	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB6	1/30/2008	19.5	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB6	1/30/2008	24	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
SB7	1/28/2008	1-8*	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB7	1/30/2008	9.5	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
SB7	1/30/2008	19.5	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB7	1/30/2008	29.5	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB7	1/30/2008	34.5	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB8	1/28/2008	1-8*	<0.0005	<0.0009	<0.0009	<0.0009	<0.019	<0.0009	<0.0009
SB8	1/31/2008	19.5	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB8	1/31/2008	29.5	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
SB8	1/31/2008	34.5	<0.027	<0.054	<0.054	<0.054	<1.1	<0.054	<0.054
SB8	1/31/2008	39.5	0.039	<0.001	<0.001	<0.001	0.034	<0.001	<0.001
SB9	1/28/2008	1-8*	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB9	1/29/2008	15	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SB9	1/29/2008	27.5	<0.0005	<0.001	<0.001	<0.001	<0.022	<0.001	<0.001
SB9	1/29/2008	34.5	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
SB9	1/29/2008	46.5	<0.0005	<0.001	<0.001	<0.001	<0.022	<0.001	<0.001
SB9	1/29/2008	54.5	<0.0005	<0.001	<0.001	<0.001	<0.022	<0.001	<0.001
CPT1	2/5/2008	21	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT1	2/5/2008	36	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT2	2/4/2008	22	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT2	2/4/2008	30	<0.026	<0.052	<0.052	<0.052	<1.0	<0.052	<0.052
CPT2	2/4/2008	35	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
SSB2	2/1/2008	2.5	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
SSB2	2/1/2008	4.5	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
SSB2	2/1/2008	8	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
VP1	2/1/2008	4.5	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
VP1	2/1/2008	8	<0.0005	<0.0009	<0.0009	<0.0009	<0.019	<0.0009	<0.0009

CONESTOGA-ROVERS & ASSOCIATES

Table 2. Analytic Results for Soil: Fuel Oxygenates - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	Sample Depth (fbg)	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
Concentrations reported in milligrams per kilogram - mg/kg									
VP2	2/1/2008	4.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.018	<0.0009	<0.0009
VP2	2/1/2008	9.5	<0.0005	<0.0009	<0.0009	<0.0009	<0.019	<0.0009	<0.0009
VP3	2/1/2008	4.5	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
VP3	2/1/2008	8	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001

Abbreviations/Notes:

Methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), t-butyl alcohol (TBA), 1,2-dichlorethane (1,2-DCE), 1,2-dibromoethane (EDB) by EPA Method 8260B

fbg = Feet below grade

* = Cobbles made discrete soil sampling impossible in these locations; these samples represent a disturbed composite taken over a range of depths

<x = Not detected above method detection limit

CONESTOGA-ROVERS & ASSOCIATES

Table 3. Analytic Results for Soil: Metals - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	Sample Depth (fbg)	Sample Height Above Road** (Feet)	Lead milligrams per kilogram (mg/kg)
SSB1	2/1/2008	1.5	1.5	9.52
SSB1	2/1/2008	2.5	0.5	52.90
SSB1	2/1/2008	4.5	--	7.34
SSB2	1/28/2008	1.5	1	17.40
SSB2	1/30/2008	2.5	0	40.60
SSB2	1/30/2008	4.5	--	15.00
SSB2	1/30/2008	8	--	7.45
SSB3	1/30/2008	1.5	1	42.80
SSB3	2/6/2008	3	--	52.40
SSB3	2/6/2008	5	--	42.20
SSB4	2/1/2008	1.5	1	10.20
SSB4	2/1/2008	2.5	0	517.00
SSB4	2/1/2008	4.5	--	616.00
SSB4	2/1/2008	9	--	90.80
SSB5	2/6/2008	1.5	0.5	18.20
SSB5	2/6/2008	3	--	47.50
SSB5	2/6/2008	5.5	--	117.00
SSB5	2/6/2008	7	--	63.50
SSB6	2/6/2008	1.5	1	14.30
SSB6	2/6/2008	3	--	98.90
SSB7	2/6/2008	1.5	0.5	13.00
SSB7	2/6/2008	3.5	--	9.73
SSB7	2/6/2008	5.5	--	4.60
SSB7	2/6/2008	7	--	3.97
SSB8	2/1/2008	1.5	0.5	168.00
SSB8	2/1/2008	4.5	--	160.00
SSB8	2/1/2008	9.5	--	33.80
SSB9	2/6/2008	1.5	1	189.00
SSB9	2/6/2008	3	--	15.00
SSB9	2/6/2008	5	--	6.24
SSB9	2/6/2008	9	--	6.36
SSB10	1/31/2008	1.5	1	38.90
SSB10	2/6/2008	3	--	67.20
SSB10	2/6/2008	5	--	5.00
SSB10	2/6/2008	9	--	9.34
SSB11	2/6/2008	1.5	--	9.67
SSB11	2/6/2008	3	--	4.86
SSB11	2/6/2008	5	--	3.90
SSB11	2/6/2008	8.5	--	5.62
SB6	1/28/2008	1-8*	0 - 0.5	6.13
SB6	1/30/2008	9.5	--	6.39
SB6	1/30/2008	19.5	--	5.79

CONESTOGA-ROVERS & ASSOCIATES

Table 3. Analytic Results for Soil: Metals - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	Sample Depth (fbg)	Sample Height Above Road** (Feet)	Lead milligrams per kilogram (mg/kg)
SB6	1/30/2008	24	--	10.90
SB7	1/28/2008	1-8*	0 - 0.5	8.57
SB7	1/30/2008	9.5	--	8.30
SB7	1/30/2008	19.5	--	4.70
SB7	1/30/2008	29.5	--	10.50
SB7	1/30/2008	34.5	--	11.60
SB8	1/28/2008	1-8*	0 - 1	21.90
SB8	1/31/2008	19.5	--	10.30
SB8	1/31/2008	29.5	--	8.29
SB8	1/31/2008	34.5	--	7.86
SB8	1/31/2008	39.5	--	8.93
SB9	1/28/2008	1-8*	0 - 1.5	13.50
SB9	1/29/2008	15	--	6.36
SB9	1/29/2008	27.5	--	7.92
SB9	1/29/2008	34.5	--	12.30
SB9	1/29/2008	46.5	--	9.34
SB9	1/29/2008	54.5	--	5.77
VP1	2/1/2008	4.5	--	6.10
VP1	2/1/2008	8	--	9.03
VP2	2/1/2008	4.5	--	75.40
VP2	2/1/2008	9.5	--	15.60
VP3	2/1/2008	4.5	--	6.12
VP3	2/1/2008	8	--	4.22

Abbreviations/Notes:

Lead by EPA Method 6010B

fbg = Feet below grade

* = Cobbles made discrete soil sampling impossible in these locations; these samples represent a disturbed composite taken over a range of depths

** = Sample heights were measured relative to the surface of Livermore Avenue

-- = Not analyzed

CONESTOGA-ROVERS & ASSOCIATES

Table 4. Analytic Results for Groundwater: Hydrocarbons - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	TPHg	TPHd	TPHmo	B	T	E	X
Concentrations reported in micrograms per liter (µg/L)								
SB6	1/30/2008	110	300	<400	3	<0.5	<0.5	<0.5
SB7	1/30/2008	3,000	6,400	<400	<0.5	<0.5	<0.5	<0.5
SB8	1/31/2008	18,000	52,000	***	<1	<1	8	2
SB9	1/29/2008	1,000	490	450	<0.5	<0.5	<0.5	0.5
CPT1	2/5/2008	3,300	47,000	1,500	5	2	3	2
CPT2	2/4/2008	4,100	10,000	1,500	14	2	57	110

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd) and motor oil (TPHmo) by EPA Method 8015M

Benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8260B

*** = Not analyzed due to lack of an adequate amount of groundwater for sample

<x = Not detected above method detection limit

CONESTOGA-ROVERS & ASSOCIATES

Table 5. Analytic Results for Groundwater: Fuel Oxygenates - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
Concentrations reported in micrograms per liter (µg/L)								
SB6	1/30/2008	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
SB7	1/30/2008	<0.5	<0.5	<0.5	<0.5	16	<0.5	<0.5
SB8	1/31/2008	<1	<1	<1	<1	<4	<1	<1
SB9	1/29/2008	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT1	2/5/2008	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT2	2/4/2008	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5

Abbreviations/Notes:

Methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), t-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCE), 1,2-dibromoethane (EDB) by EPA Method 8260B

<x = Not detected above method detection limit

CONESTOGA-ROVERS & ASSOCIATES

Table 6. Analytic Results for Soil Vapor - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	Probe Depth Interval (fbg)	TPH (Gasoline)	B	T	E	X ¹	MTBE	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA	Naphthalene	Helium Oxygen CO ₂		
																Reported in micrograms per cubic meter (µg/m ³)		
VP1	03/10/08	5.0 - 5.5	940	<3.2	18	5.6	<4.4	<3.6	<31	<17	<17	<17	<7.8	<4.1	<21	0.24	38	0.36
VP1	LAB DUPLICATE		--	<3.2	13	<4.4	<4.4	<3.6	<31	<17	<17	<17	<7.8	<4.1	<21	0.20	38	0.36
VP1	03/10/08	9.5 - 10	<250	<3.9	<4.6	<5.2	<5.2	<4.4	<37	<20	<20	<20	<9.3	<4.9	<25	<0.12	20	1
VP2	03/10/08	5.0 - 5.5	500	<4.0	19	6.4	31	<4.6	<38	<21	<21	<21	<9.7	<5.1	<26	<0.13	17	2
VP2 DUP	03/10/08	5.0 - 5.5	<260	<4.0	<4.8	<5.5	<5.5	<4.6	<38	<21	<21	<21	<9.7	<5.1	<26	<0.13	17	2
VP2	03/10/08	9.5 - 10	450	<3.9	29	9.7	11	<4.4	<37	<21	<21	<21	<9.5	<5.0	<26	<0.12	18	1.6
VP3	03/10/08	5.0 - 5.5	<260	<4.0	<4.8	<5.5	6.3	<4.6	<38	<21	<21	<21	<9.7	<5.1	<26	<0.13	17	2.3
VP3	03/10/08	9.5 - 10	<250	<3.9	<4.6	<5.4	<5.4	<4.4	<37	<21	<21	<21	<9.5	<5.0	<26	<0.12	18	2.2
ESL ²	--	--	29,000	280	180,000	580,000	58,000	--	--	--	--	--	14	310	240	--	--	--

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method TO-3

Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), Ethanol, Methyl Tertiary Butyl Ether (MtBE), t-Butyl Alcohol (TBA),

di-Isopropyl ether (DIPE), Ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), 1,2-Dibromoethane (EDB), and

1,2-Dichloroethane (1,2-DCA) by EPA Method TO-15

Helium, Oxygen, and Carbon Dioxide (CO₂) by ASTM D-1946

fbg = Feet below grade

<X = Not detected above method detection limit

-- = not analyzed or not applicable

1 = Values for highest value of Xylenes detected.

2 = Environmental Screening Levels (ESLs) for shallow soil gas in commercial/industrial land from the 2007 *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* by the California Regional Water Quality Control Board, San Francisco Bay Region, Table E-2

CONESTOGA-ROVERS & ASSOCIATES

Table 7. Analytic Results for Soil Physical Parameters - Former Chevron Station 30-7233, 2259 First Street, Livermore, CA

Sample ID	Sample Date	Sample Depth (fbg)	Bulk Density (g/cc)	Moisture Content (% wt)	Total Porosity (% Vb)	Effective Porosity (%Vb)	Water Filled Porosity (% Vb)	Air Filled Porosity (% Vb)	Total Organic Carbon (mg/kg)	Effective Air Permeability (md)
VP1	02/01/08	8	1.78	5.7	33.9	31	10.2	23.7	490	6560

Abbreviations/Notes:

Bulk density, total porosity, water filled porosity, air filled porosity, effective permeability by method API RP40

Moisture content by ASTM D2216

Total Porosity by method ASTM D425M

Total organic carbon by Walkley-Black Method

fbg = Feet below grade

g/cc = grams per cubic centimeter

% wt = percent weight

% Vb = percent bulk volume

mg/kg = milligrams per kilogram

md = millidarcy



**CONESTOGA-ROVERS
& ASSOCIATES**

ATTACHMENT A
Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director

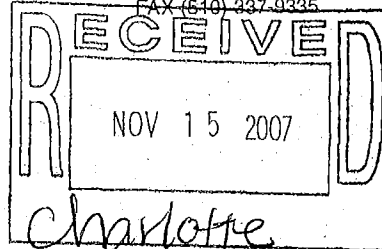


ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

November 13, 2007

Mr. Satya Sinha
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., K2256
San Ramon, CA 94583-2324

Ms. Chris Davidson
City of Livermore Economic Development
1052 S. Livermore Ave.
Livermore, CA 94550



Subject: Fuel Leak Case No. RO0002908 and Geotracker Global ID T0600196622, Miller Square Park, 2259 First Street, Livermore, CA 94550

Dear Mr. Sinha and Ms. Davidson:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site including the recently submitted document entitled, "Revised Site Investigation Workplan," dated October 29, 2007, which was prepared on behalf of Chevron by Conestoga-Rovers & Associates. The Revised Site Investigation Work Plan was modified in response to technical comments in ACEH correspondence dated August 22, 2007 and October 11, 2007. The work plan revisions adequately address our August 22, 2007 and October 11, 2007 technical comments and may be implemented.

We request that Chevron work with the City of Livermore to schedule the proposed work during periods that do not conflict with scheduled activities in the downtown Livermore area. Please perform the proposed work and send us the report requested below. Please provide 72-hour advance written notification to this office (e-mail preferred to jerry.wickham@acgov.org) prior to the start of field activities.

TECHNICAL REPORT REQUEST

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

- **March 28, 2008** – Site Investigation Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Mr. Satya Sinha
Ms. Chris Davidson
RO0002908
November 13, 2007
Page 2

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

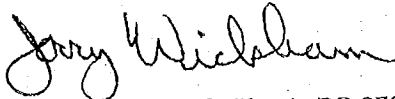
Mr. Satya Sinha
Ms. Chris Davidson
RO0002908
November 13, 2007
Page 3

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cheryl Dizon, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

John Rigter
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

~~Charlene Evans
Conestoga Rovers & Associates
5900 Hollis Street, Suite
Emeryville, CA 94608~~

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director

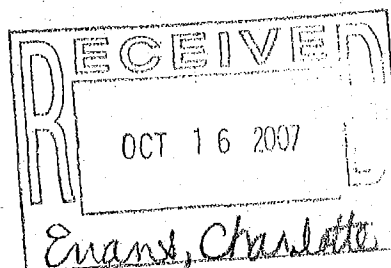


ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 11, 2007

Mr. Satya Sinha
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., K2256
San Ramon, CA 94583-2324

Ms. Chris Davidson
City of Livermore Economic Development
1052 S. Livermore Ave.
Livermore, CA 94550



Subject: Fuel Leak Case No. RO0002908 and Geotracker Global ID T0600196622, Miller Square Park, 2259 First Street, Livermore, CA 94550

Dear Mr. Sinha and Ms. Davidson:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site including the recently submitted document entitled, "Revised Site Investigation Workplan," dated October 2, 2007, which was prepared on behalf of Chevron by Conestoga-Rovers & Associates. The Revised Site Investigation Work Plan was modified in response to technical comments in ACEH correspondence dated August 22, 2007. With one exception, the work plan revisions adequately address our August 22, 2007 technical comments. However, the work plan only includes one soil vapor sampling location adjacent to an existing building and proposes delaying an evaluation of potential future indoor vapor intrusion until the site is redeveloped. This proposal is unacceptable since an evaluation of potential future human health risks is necessary to make decisions with regard to site investigation and cleanup. Therefore, we request that you propose additional soil vapor sampling throughout the site that will provide a complete evaluation of potential future indoor vapor intrusion. We request that you expand the Revised Site Investigation Work Plan in accordance with the technical comments below and **submit a revised Work Plan by October 31, 2007.**

TECHNICAL COMMENTS

1. **Direct Push Borings.** The Revised Work Plan indicates that grab groundwater samples will be collected from each boring, "if groundwater is encountered." Please note that the collection of groundwater samples from these borings is the primary purpose for the borings. If groundwater samples are not collected from the proposed direct push borings, please include plans to use a different drilling technique that is capable of advancing the borings to sufficient depths to collect grab groundwater samples. Please include a description of this supplemental drilling method in the Revised Work Plan requested below.

Mr. Satya Sinha
Ms. Chris Davidson
RO0002908
October 11, 2007
Page 2

2. **Soil Vapor Sampling.** As previously discussed, the proposal to delay an evaluation of potential future indoor vapor intrusion until the site is redeveloped is unacceptable since an evaluation of potential future human health risks is necessary to make decisions with regard to site investigation and cleanup. Therefore, we request that you propose additional soil vapor sampling throughout the site in the Revised Site Investigation Work Plan that will provide a complete evaluation of potential future indoor vapor intrusion. Previous site data along with the known locations of former USTs and suspected locations of former dispensers and product piping are to be reviewed in proposing the additional soil vapor sampling locations. Please include the additional soil vapor sampling in the Revised Work Plan requested below.

TECHNICAL REPORT REQUEST

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

- **October 31, 2007 -- Revised Work Plan**

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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

Mr. Satya Sinha
Ms. Chris Davidson
RO0002908
October 11, 2007
Page 3

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

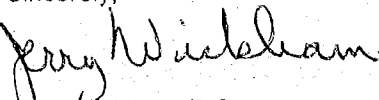
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791 or contact me my electronic mail at jerry.wickham@acgov.org.

Sincerely,



Jerry Wickham, P.G.
Hazardous Materials Specialist

Mr. Satya Sinha
Ms. Chris Davidson
RO0002908
October 11, 2007
Page 4

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cheryl Dizon, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

John Rigter
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

Charlotte Evans
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director

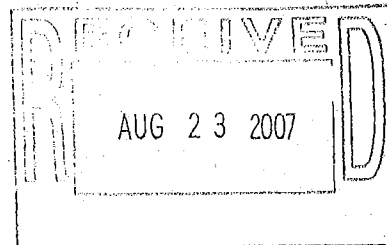


August 22, 2007

Mr. Satya Sinha
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., K2256
San Ramon, CA 94583-2324

Ms. Chris Davidson
City of Livermore Economic Development
1052 S. Livermore Ave.
Livermore, CA 94550

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



Subject: Fuel Leak Case No. RO0002908 and Geotracker Global ID T0600196622, Miller Square Park, 2259 First Street, Livermore, CA 94550

Dear Mr. Sinha and Ms. Davidson:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site including the recently submitted documents entitled, "Underground Storage Tank Removal and Compliance Sampling Report," dated August 17, 2007 and "Site Investigation Workplan," dated July 20, 2007. Both documents were prepared on behalf of Chevron by Conestoga-Rovers & Associates. The "Underground Storage Tank Removal and Compliance Sampling Report," presents the results from removal of two USTs from the southern portion of Mills Square Park on June 20, 2007. Elevated concentrations of Total Petroleum Hydrocarbons (TPH) as diesel, total oil & grease (TOG), and lead were detected in three soil samples collected beneath the northern UST.

The Site Investigation Work Plan proposes a scope of work to investigate the extent of fuel hydrocarbons in soil, soil vapor, and groundwater. We request that you revise the Site Investigation Work Plan in accordance with the technical comments below and **submit a revised Work Plan by October 3, 2007.**

TECHNICAL COMMENTS

1. **Soil Sampling.** The Work Plan indicates that, "Soil samples will be collected every 10 feet starting from 5 fbg to total depth, and additionally at areas of obvious hydrocarbon impact, lithologic change, and in the capillary fringe zone." It is not clear whether the proposed soil sampling applies to each of the three types of proposed borings: CPT borings, direct push borings, and soil vapor probe borings. In order to make the field program more efficient, we recommend that you minimize the number of soil samples to be collected in the CPT borings and use direct push borings in areas where more soil sampling is required. Please see the discussion of soil sampling for each type of boring in the technical comments below.

2. **Metals in Shallow Soil.** During the September 2003 investigation by Fugro West, Inc., lead was detected at a concentration of 3,600 milligrams per kilogram in a soil sample collected at a depth of 3 feet bgs. The January 6, 2004 report by Fugro West, Inc. speculated that the source of lead in soil was fill material in Mills Square Park. During the 2006 site investigation by Cambria, no soil samples were collected for metals analysis at a depth shallower than 5 feet bgs. In the revised Work Plan requested below, please include plans to define the extent of elevated concentrations of lead in shallow soil at the site. Recommended sampling locations are shown on the attached figure entitled, "Recommended Sampling Locations." We request that soil samples be collected at depths of 1.5, 3.0, 5.0, and 10.0 feet bgs at each sampling location and analyzed for total lead by EPA Method 6010B. If staining, odor, or elevated PID readings are observed in any of the soil samples, we request that the soil samples also be analyzed for TPH as diesel and TPH as motor oil by EPA Method 8015M and TPH as gasoline, benzene, toluene, ethylbenzene, and xylenes (BTEX), fuel oxygenates, 1,2-dichloroethane, and 1,2-dibromomethane by EPA Method 8260B.
3. **Vertical Extent of Contamination and CPT Borings.** The proposed locations of the CPT borings are acceptable. However, the CPT borings are also required to define the vertical extent of contamination. Therefore, we request that the CPT borings be extended to a depth of 80 feet bgs. Groundwater samples are to be collected from first encountered groundwater and each significant water-bearing zone identified on the CPT log below first encountered groundwater. Please include these plans in the Revised Work Plan requested below.
4. **Soil Vapor Sampling.** The proposed method for installation of a nested probe and collection of soil vapor samples is acceptable. We request that one additional soil vapor probe be installed in the area of the former dispenser islands to evaluate whether elevated concentrations of fuel hydrocarbons in soil have resulted in elevated concentrations of benzene in soil vapor. In the Revised Work Plan requested below, please include the additional soil vapor sampling location shown on the attached figure entitled, "Recommended Sampling Locations."
5. **Direct Push Borings.** The proposed boring locations for direct push borings SB-6 and SB-7 are acceptable. However, we request that two additional direct push borings be advanced at the locations shown on the attached figure entitled, "Recommended Sampling Locations." The soil borings are to be advanced approximately 10 feet below first encountered groundwater in order to collect a grab groundwater sample from each boring; however, we request that the depth of the boring be extended if contamination is observed at the total depth of the boring. The soil borings are to be visually logged continuously in the field for soil type, color, moisture content, odor, and other observed features and screened with a photoionization detector. Soil samples are to be collected for laboratory analysis at any interval where visible staining, odor, or elevated PID readings are observed. If visible staining, odor, or elevated PID readings are observed, a sufficient number of soil samples must be collected to characterize the vertical interval over which the contamination occurs. If no visible soil staining, odor, or elevated PID readings are observed in the soil boring, we request that soil samples be collected for laboratory analyses at a maximum of 10-foot intervals from 5 feet bgs to the total depth of the boring. Please present plans for the direct push borings in the Revised Work Plan requested below.

Mr. Satya Sinha
Ms. Chris Davidson
RO2908
August 22, 2007
Page 3

6. **Soil and Groundwater Analyses.** As discussed in technical comment 2, we request that soil samples be collected from shallow borings to define the extent of metals in shallow soil be analyzed for total lead by EPA Method 6010B. We request that soil samples collected from the direct push borings be analyzed for TPH as diesel and TPH as motor oil by EPA Method 8015M and TPH as gasoline, benzene, toluene, ethylbenzene, and xylenes (BTEX), fuel oxygenates, 1,2-dichloroethane, and 1,2-dibromomethane by EPA Method 8260B, and total lead by EPA Method 6010B. We request that all groundwater samples be analyzed for TPH as diesel by EPA Method 8015M and TPH as gasoline, benzene, toluene, ethylbenzene, and xylenes (BTEX), fuel oxygenates, 1,2-dichloroethane, and 1,2-dibromomethane by EPA Method 8260B.

TECHNICAL REPORT REQUEST

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

- **October 3, 2007** – Revised Work Plan

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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

Mr. Satya Sinha
Ms. Chris Davidson
RO2908
August 22, 2007
Page 4

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

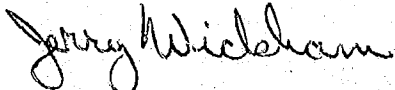
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

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

Sincerely,



Jerry Wickham, P.G.
Hazardous Materials Specialist

Attachment: Recommended Sampling Locations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

Mr. Satya Sinha
Ms. Chris Davidson
RO2908
August 22, 2007
Page 5

cc: Colleen Winey, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

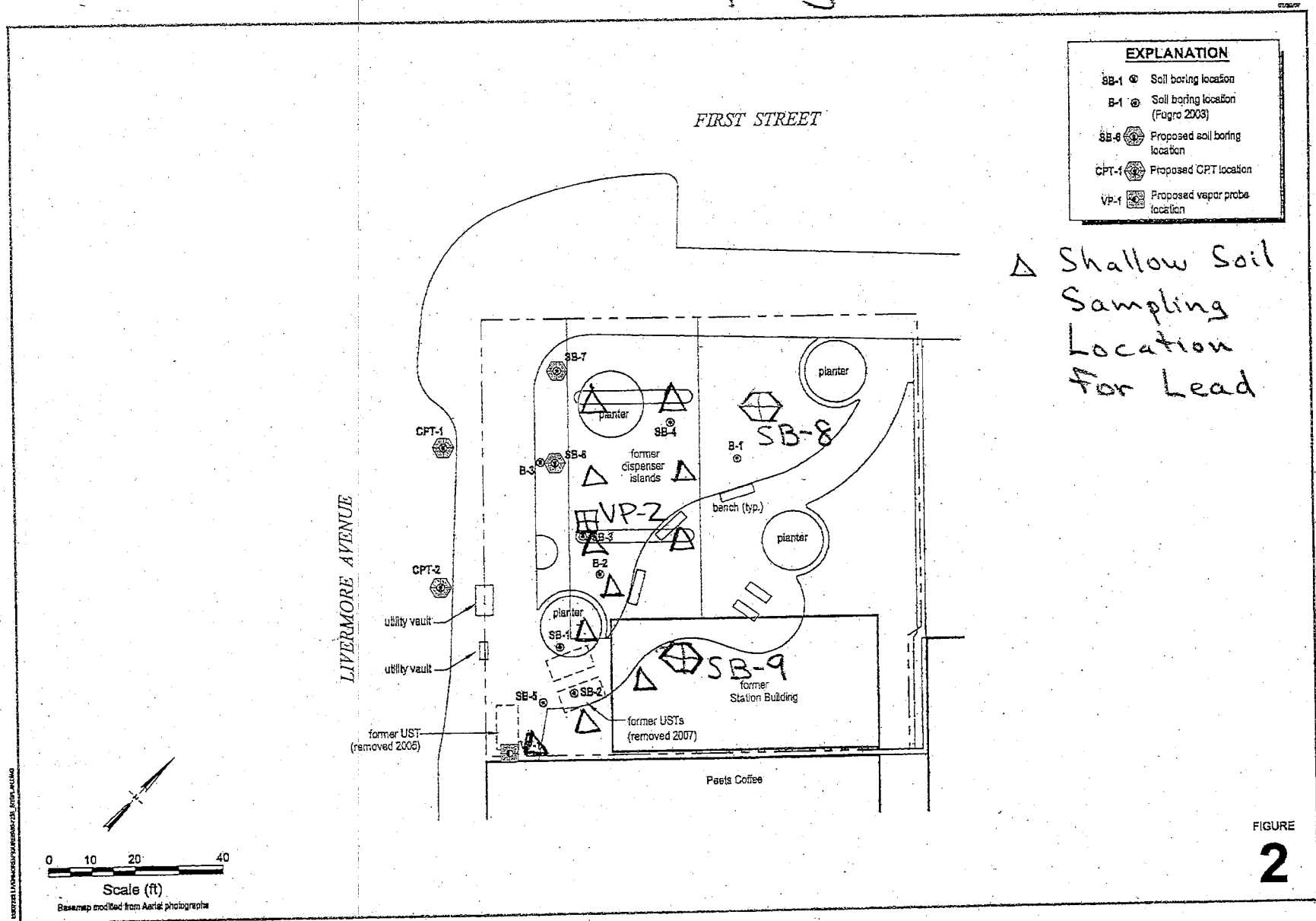
Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

John Rigter
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

Charlotte Evans
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Recommended Sampling Locations



Site Plan with Proposed Boring Locations



Former Chevron Station 30-7233

2259 First Street
Livermore, California



**CONESTOGA-ROVERS
& ASSOCIATES**

ATTACHMENT B
Permits



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2259 FIRST ST. @
LIVERMORE AVE.
LIVERMORE

PERMIT NUMBER 28001
WELL NUMBER 3S/2E-9N17 to 9N19 (VP-1 to VP-3)
APN 097-0110-005-03

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

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

CLIENT
Name CHEVRON ENVIRONMENTAL MANAGEMENT CO.
Address 6001 BOLLINGER CANYON Phone _____
City SAN RAMON Zip 94583

- 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.

APPLICANT
Name CONESTOGA-ROVERS & ASSOC.
Email ihull@croworld.com Fax 510-420-9170
Address 5900 HOLLIS ST., Ste. A Phone 510-420-3344
City EMERYVILLE Zip 94608

- B. WATER SUPPLY WELLS**
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
 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. Grout placed by tremie.
 4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
 5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:

Well Construction	<input type="checkbox"/>	Geotechnical Investigation	<input type="checkbox"/>
Well Destruction	<input type="checkbox"/>	Contamination Investigation	<input checked="" type="checkbox"/>
Cathodic Protection	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 3. Grout placed by tremie.

PROPOSED WELL USE:

Domestic	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Remediation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Groundwater Monitoring	<input type="checkbox"/>
Dewatering	<input type="checkbox"/>	Other <u>TEMP VAPOR</u>	<input checked="" type="checkbox"/>
		<u>MONITORING</u>	

- 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.

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Hollow Stem Auger	<input checked="" type="checkbox"/>
Cable Tool	<input type="checkbox"/>	Direct Push	<input checked="" type="checkbox"/>	Other <u>CPT,</u>	<input checked="" type="checkbox"/>
				<u>HAND AUGER</u>	

DRILLING COMPANY GREGG DRILLING (C-57-485165)
AND VIBONEX (C-57-705927)
DRILLER'S LICENSE NO. _____

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

WELL SPECIFICATIONS:

Drill Hole Diameter	<u>2</u> in.	Maximum	
Casing Diameter	<u>1/4</u> in.	Depth	<u>10</u> ft.
Surface Seal Depth	<u>4</u> ft.	Number	<u>3</u>

- F. WELL DESTRUCTION.** See attached.
- G. SPECIAL CONDITIONS.** Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

SOIL BORINGS:

Number of Borings	<u>17</u>	Maximum	
Hole Diameter	<u>2-5</u> in.	Depth	<u>80</u> ft.

ESTIMATED STARTING DATE JAN 28, 2008
ESTIMATED COMPLETION DATE FEB 7, 2008

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 1/8/08
Wyman Hong

APPLICANT'S SIGNATURE Ian Hull Date 12/14/07

ATTACH SITE PLAN OR SKETCH

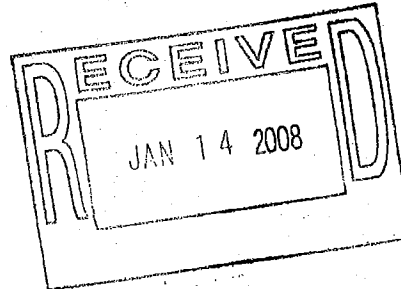


ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551-9486

PHONE (925) 454-5000

January 10, 2008



Mr. Ian Hull
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

Dear Mr. Hull:

Enclosed is drilling permit 28001 for a monitoring well construction project and contamination investigation at 2259 First Street in Livermore for Chevron Environmental Management Company. Also enclosed is a current drilling permit application for your files. Drilling permit applications for future projects can also be downloaded from our web site at www.zone7water.com.

Please note that permit conditions A-2 requires that a well construction report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, permit number and any analysis of the soil and water samples. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 5056 or Matt Katen at extension 5071.

Sincerely,

Wyman Hong
Water Resources Specialist

Enc.

APP

City of Livermore

Community Development Department
1052 S. Livermore Avenue
Livermore, CA 94550
(925) 960-4500

Encroachment
Permit No. EN070478
Other

PERMIT TO DO WORK IN ACCORDANCE WITH CHAPTER 12.08 OF THE LIVERMORE MUNICIPAL CODE AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LIVERMORE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.

Permit Fee: \$53.00
Inspection Fee: \$535.00
Bond: \$0.00

Applicant/Permittee:

Name: Conestoga-Rovers & Associates
Address: 5900 Hollis Street, Suite A
Emeryville, CA 94608, 94608

Phone:

Total: \$588.00

Contractor:

Name: Gregg Drilling And Testing
Address: 950 Howe Rd
Martinez, CA 94553
Phone: 925-313-5800

PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR AN INSPECTION, PHONE (925) 960-4500 AT LEAST 24 HOURS BEFORE YOU START WORK.

JOB LOCATION: 2259 First Street ****

DESCRIPTION OF WORK: Close straight lane on Livermore Ave. for 2 days, close 3 parking spaces on Livermore Ave & 2 parking spaces on First Street for 9 days. Close mills square park walkway, portions of the park & portions on the nearby sidewalk for 7 days. Work day Jan 28 - Feb 6, 2008.

Length of Excavation: _ L.F. Width: _ L.F. Depth: _ L.F.

Attention is directed to the General Provisions printed on the reverse side of this permit and to the attached special requirements (to be determined as needed by the Engineering Division).

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be completed to the satisfaction of the City Engineer.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of the failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Livermore, its officers and employees, and save them harmless in every way from all action at law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Signature of Permittee:

By: Jan Hull (JAN HULL)

Date: 1/24/2008

Work Completed:

Date: _____

City Engineer

By: Samela [Signature]

Date of Issue: 1/23/08

Inspector: _____

City of Livermore

Encroachment Permit No. EN070478

Community Development Department
1052 S. Livermore Avenue
Livermore, CA 94550
(925) 960-4500

SPECIAL REQUIREMENTS APPLICABLE TO WORK ASSOCIATED WITH

JOB LOCATION:

2259 First Street ****

DESCRIPTION OF WORK: Close straight lane on Livermore Ave. for 2 days, close 3 parking spaces on Livermore Ave & 2 parking spaces on First Street for 9 days. Close mills square park walkway, portions of the park & portions on the nearby sidewalk for 7 days. Work day Jan 28 - Feb 6, 2008.

1: See Attached Drawing/Plans

2: Contractor shall repair/replace all damaged curb, gutter and sidewalk damaged as a result of current work being completed per the City Livermore Standard Details.

3: Pedestrian access must be maintained at all times, including if necessary, escorting pedestrians through the work area.

4: Traffic control shall be completed per Cal Trans Standards and any additional requirements deemed necessary by the City Engineer.

5: Notify traffic engineer 72 hours prior to start of work. Signal phasing will be changed to allow construction.

6: Borings made in street paving shall be repaired per City Standard Detail G-1D.

7: Repair or replace all landscape and irrigation with new to match existing.

8: All work shall be completed between the hours of 9 a.m. and 3 p.m.

9: Post NO-PARKING signs 72 hours in advance of closing parking lane.

10: Protect blue stone.

**CITY OF LIVERMORE
-ENCROACHMENT PERMIT-
APPLICATION/WORKSHEET**

City of Livermore
1052 S. Livermore Avenue
Livermore, CA 94550

Public Works Inspection
925-960-4500
925-960-4503 fax

-For Office Use Only-

Date Received: _____ Project Number: _____
 Ready to Issue: _____ Total Fees Required: _____
 Notified Applicant By: Telephone/Mail _____ Date Contacted: _____

Project address: 2259 FIRST STREET Tract# _____ Lot# _____ APN# _____
 Applicant's Name: IAN HULL FOR CRA INC. Telephone number: 510-420-3344
 Applicant's Address: 5900 HOLLIS ST., Ste. A City EMERYVILLE State CA Zip 94608

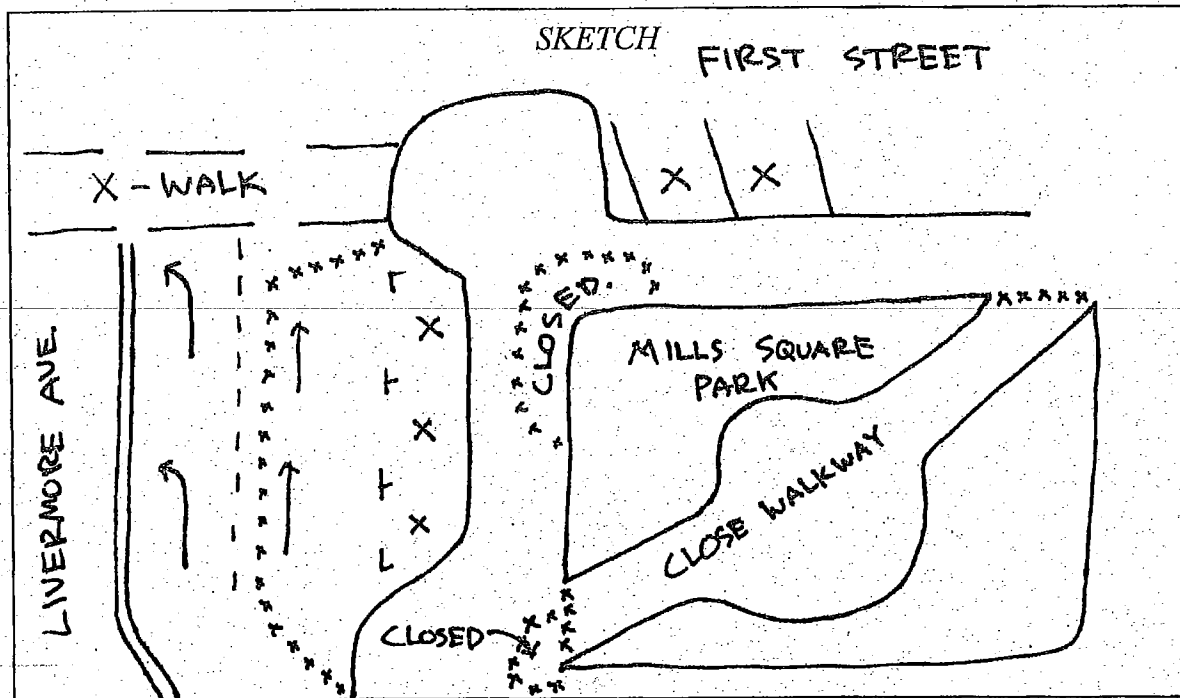
PROPERTY OWNER:

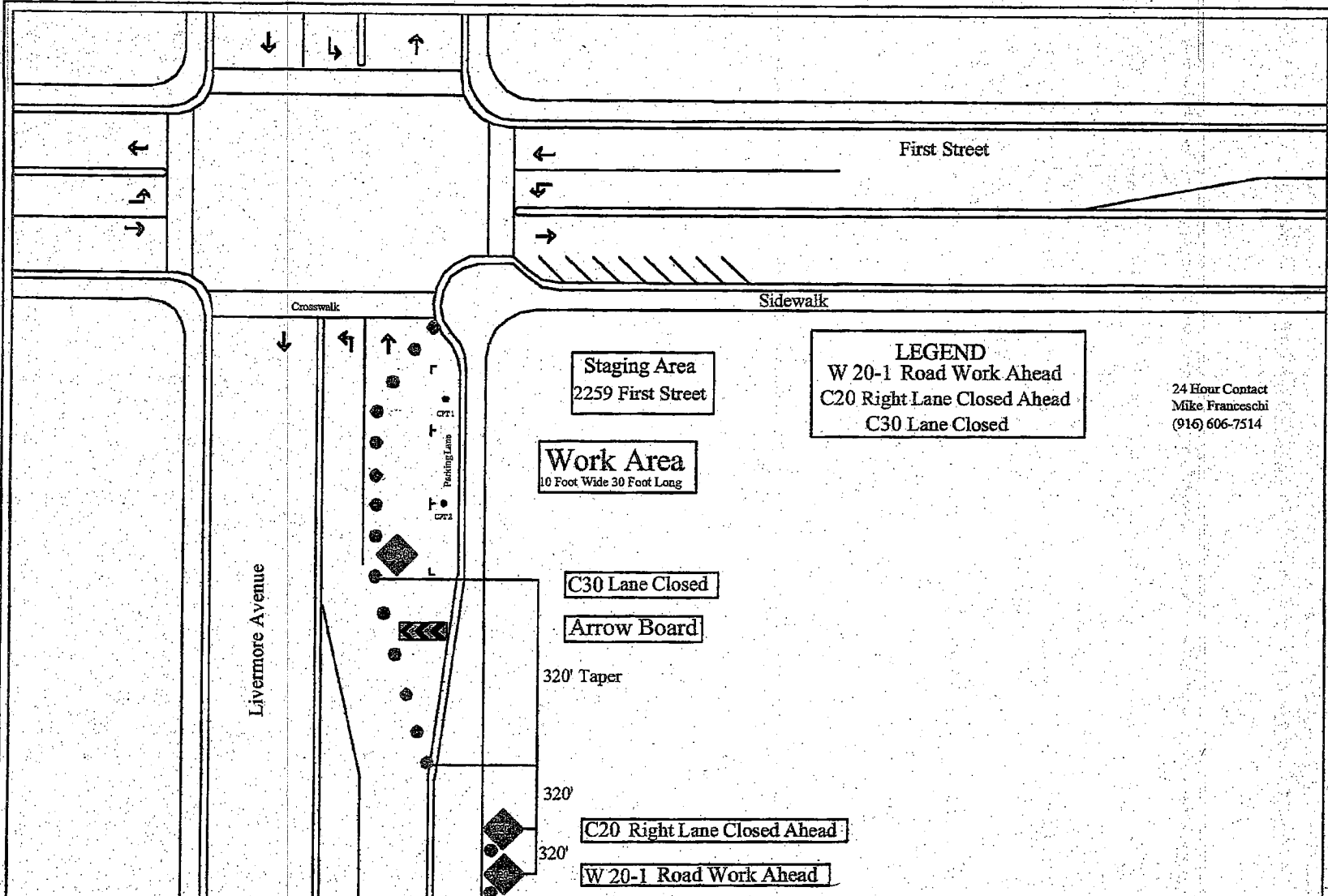
Name: CITY OF LIVERMORE
 Address: _____
 City/Zip: _____
 Telephone Number: _____

CONTRACTOR:

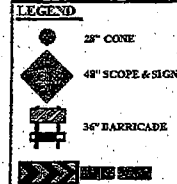
Name: GREGG DRILLING AND TESTING
 Address: 950 HOME RD.
 City/Zip: MARTINEZ, 94553
 Telephone Number: 925-313-5800
 State License Number: 485165 Type C57

Description of work: CLOSE STRAIGHT LANE ON LIVERMORE AVE. FOR (2) DAYS.
CLOSE 3 PARKING SPACES ON LIVERMORE AVE. AND 2 PARKING SPACES ON
FIRST ST. FOR (9) DAYS. CLOSE MILLS SQUARE PARK WALKWAY, PORTIONS OF
THE PARK AND PORTIONS ON THE NEARBY SIDEWALK (AS SHOWN) FOR 7 DAYS.
 WORK DATES: JAN. 28 - FEB. 6, 2008





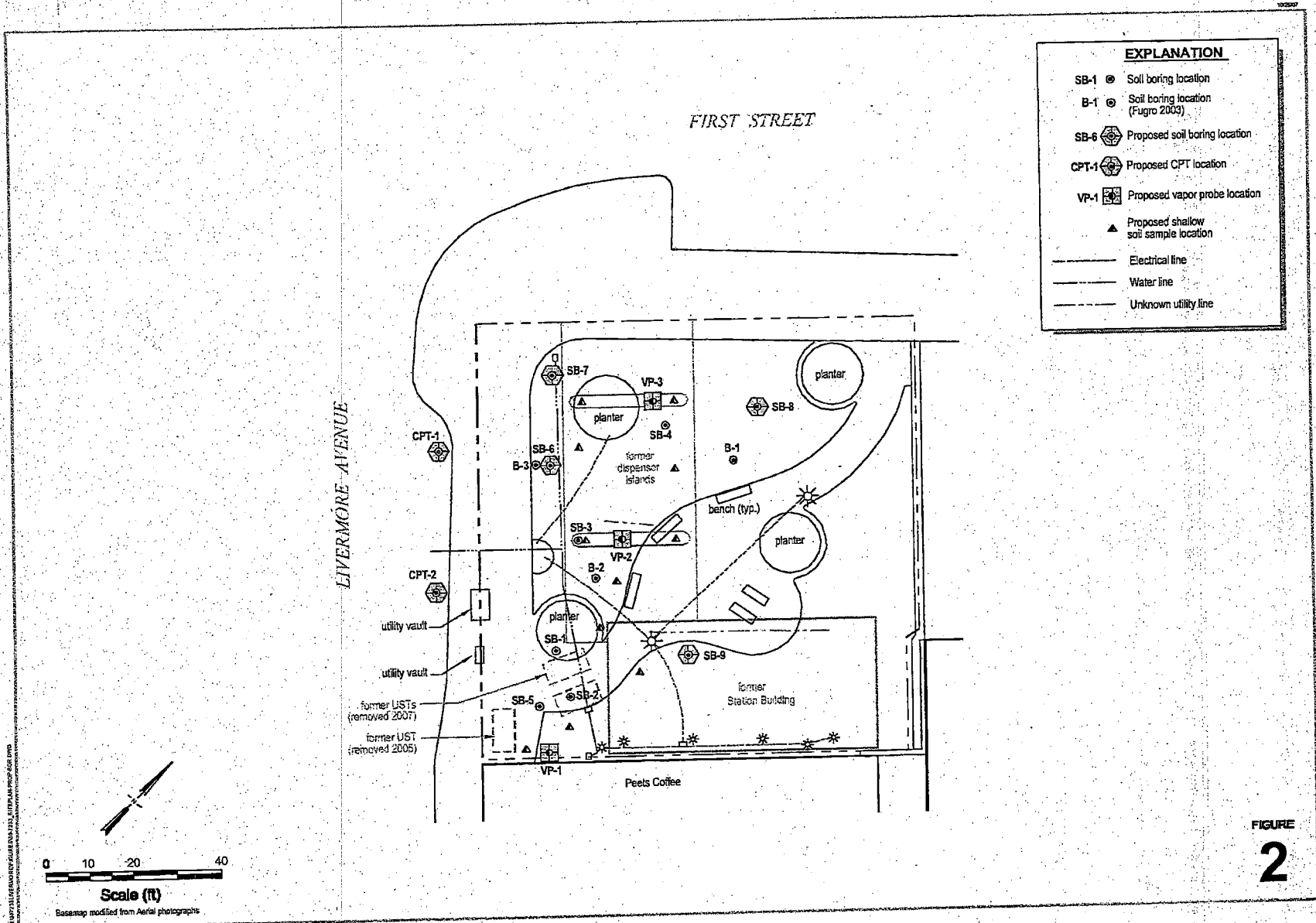
DIRECT TRAFFIC CONTROL
 PO BOX 1822
 DIAMOND SPRINGS C.A 95619
 PHONE (530) 677-9239
 FAX (530) 672-1185
 MOBLE: (916) 606-7514
 IDTC@SBCGLOBAL.NET



CONESTOGA ROVERS & ASSOCIATES
 5900 Hollis Street Suite A
 Emeryville CA 94608

TRAFFIC CONTROL SITE MAP

MPH 40	TL 320'	S.S 320'	B.S 315'
DRAWN BY	DATE	PROJECT NUMBER	
M FRANCESCHI	12/6/07	30-7233	



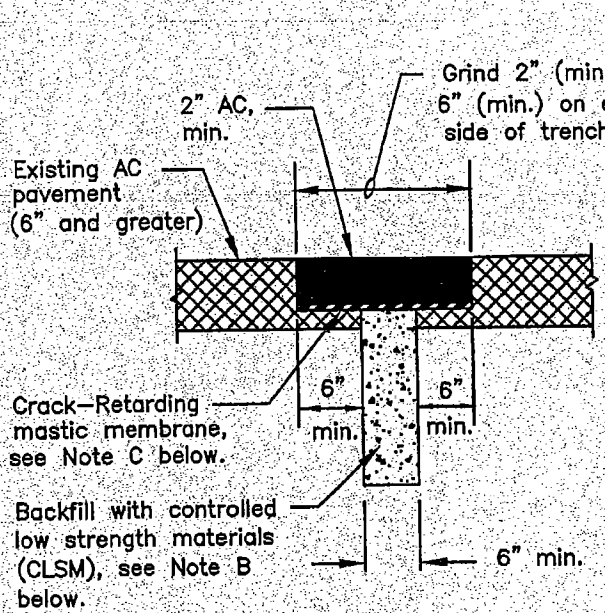
Site Plan with Proposed Boring Locations



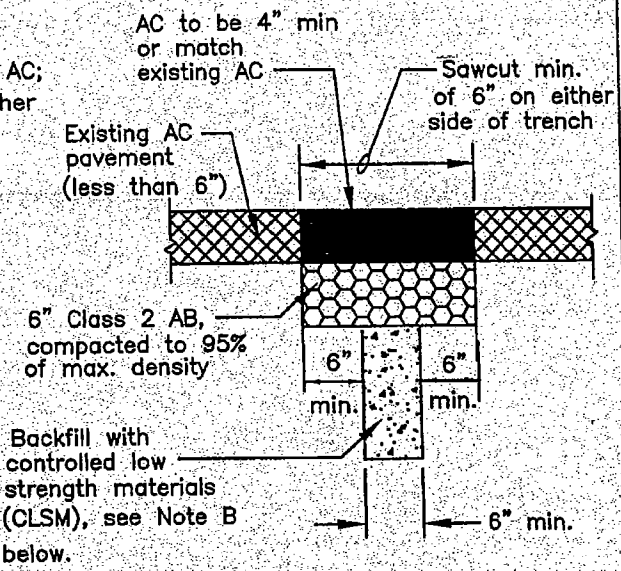
CONESTOGA ROVERS & ASSOCIATES

Former Chevron Station 30-7233

2268 First Street
 Livermore, California



SECTION "A"
FOR EXISTING ASPHALT CONCRETE
SECTIONS 6" AND GREATER



SECTION "B"
FOR EXISTING ASPHALT CONCRETE
SECTIONS LESS THAN 6"

NOTES

- A. PRIOR TO TRENCHING, CONTACT USA 1-800-227-2600
- B. CONTROLLED LOW STRENGTH MATERIALS (CLSM) SHALL BE A FLOWABLE, HAND-EXCAVATABLE MIXTURE OF CEMENT, POZZOLAN, COARSE AND FINE AGGREGATE, ADMIXTURES AND WATER WHICH HAS BEEN MIXED IN ACCORDANCE WITH ASTM C 94. ALL PROPERTIES, COMPOSITIONS AND INSTALLATION REQUIREMENTS SHALL BE PER SPECIFICATION SECTION 312323. (CLSM) SHALL NOT COME IN CONTACT WITH UTILITIES. MAINTAIN A CLEARANCE OF 6" MINIMUM BETWEEN CLSM AND UTILITIES FOR BACKFILL.
- C. CRACKED-RETARDING MASTIC MEMBRANE SHALL BE AS MANUFACTURED BY CONTECH CONSTRUCTION PRODUCTS INC. - PAVEPREP, AMOCO FABRICS FIBERS COMPANY - PETROTAC OR EQUAL.
- D. ANY EXCAVATIONS LARGER THAN 3'x3' SHALL COMPLY WITH CITY STD DETAIL G-1B.

User note:
 These details shall be used in conjunction with all the City standard details and specifications. Refer to the City standard specifications for the materials, installation, testing, protective coatings, and other requirements.

W01D.DWG

Date:	By:	Rev:

SOIL BORING AND
 SMALL EXCAVATION IN STREET
 SECTION

CITY OF LIVERMORE
 STANDARD DETAIL

Dwn: MAP	Date: May-05	No. G-1D
Ckd: Spec. Committee	Scale: None	

City Engineer
 City Engineer



**CONESTOGA-ROVERS
& ASSOCIATES**

**ATTACHMENT C
CPT Report (Gregg)**



GREGG DRILLING & TESTING, INC.

GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

February 6, 2008

CRA

Attn: Charlotte Evans
5900 Hollis St. Suite A
Emeryville, California 94608

Subject: CPT Site Investigation
Former Texaco Station 30-7233
Livermore, California
GREGG Project Number: 08-029MA

Dear Ms. Evans:

The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	<input checked="" type="checkbox"/>
2	Pore Pressure Dissipation Tests	(PPD)	<input checked="" type="checkbox"/>
3	Seismic Cone Penetration Tests	(SCPTU)	<input type="checkbox"/>
4	Resistivity Cone Penetration Tests	(RCPTU)	<input type="checkbox"/>
5	UVIF Cone Penetration Tests	(UVIFCPTU)	<input type="checkbox"/>
6	Groundwater Sampling	(GWS)	<input checked="" type="checkbox"/>
7	Soil Sampling	(SS)	<input checked="" type="checkbox"/>
8	Vapor Sampling	(VS)	<input type="checkbox"/>
9	Vane Shear Testing	(VST)	<input type="checkbox"/>
10	SPT Energy Calibration	(SPTE)	<input type="checkbox"/>

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (925) 313-5800.

Sincerely,
GREGG Drilling & Testing, Inc.

Mary Walden
Operations Manager

950 Howe Rd • Martinez, California 94553 • (925) 313-5800 • FAX (925) 313-0302

OTHER OFFICES: LOS ANGELES • HOUSTON • SOUTH CAROLINA

www.greggdrilling.com



GREGG DRILLING & TESTING, INC.

GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

Cone Penetration Test Sounding Summary

-Table 1-

CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (Feet)	Depth of Soil Samples (Feet)	Depth of Pore Pressure Dissipation Tests (Feet)
CPT-01	2/05/08	55	46	21, 36	-
CPT-02	2/04/08	55	35	22, 30, 35	21.7, 32.5, 39.4, 45.1, 51.3, 55.6



Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice"
E & FN Spon. ISBN 0 4 19 23750, 1997

Robertson, P.K., "Soil Classification using the Cone Penetration Test", Canadian Geotechnical Journal, Vol. 27,
1990 pp. 151-158.

Mayne, P.W., "NHI (2002) Manual on Subsurface Investigations: Geotechnical Site Characterization", available
through www.ce.gatech.edu/~geosys/Faculty/Mayne/papers/index.html, Section 5.3, pp. 107-112.

Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity",
Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986
pp. 791-803.

Robertson, P.K., Sully, J., Woeller, D.J., Lunne, T., Powell, J.J.M., and Gillespie, D.J., "Guidelines for Estimating
Consolidation Parameters in Soils from Piezocone Tests", Canadian Geotechnical Journal, Vol. 29, No. 4,
August 1992, pp. 539-550.

Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical
Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

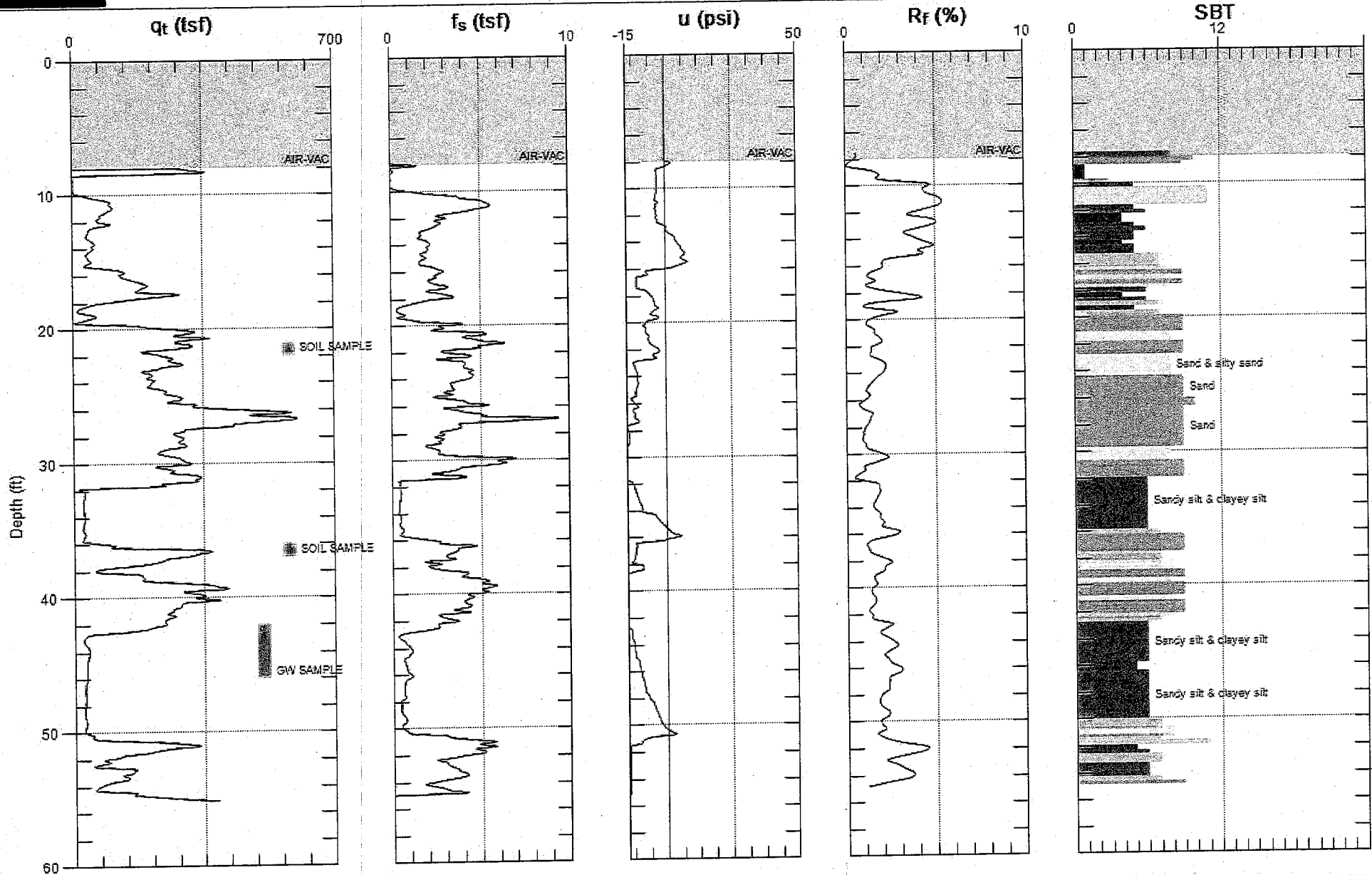
Campanella, R.G. and I. Weemees, "Development and Use of An Electrical Resistivity Cone for Groundwater
Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

DeGroot, D.J. and A.J. Lutenegeger, "Reliability of Soil Gas Sampling and Characterization Techniques", International
Site Characterization Conference - Atlanta, 1998.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants
Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

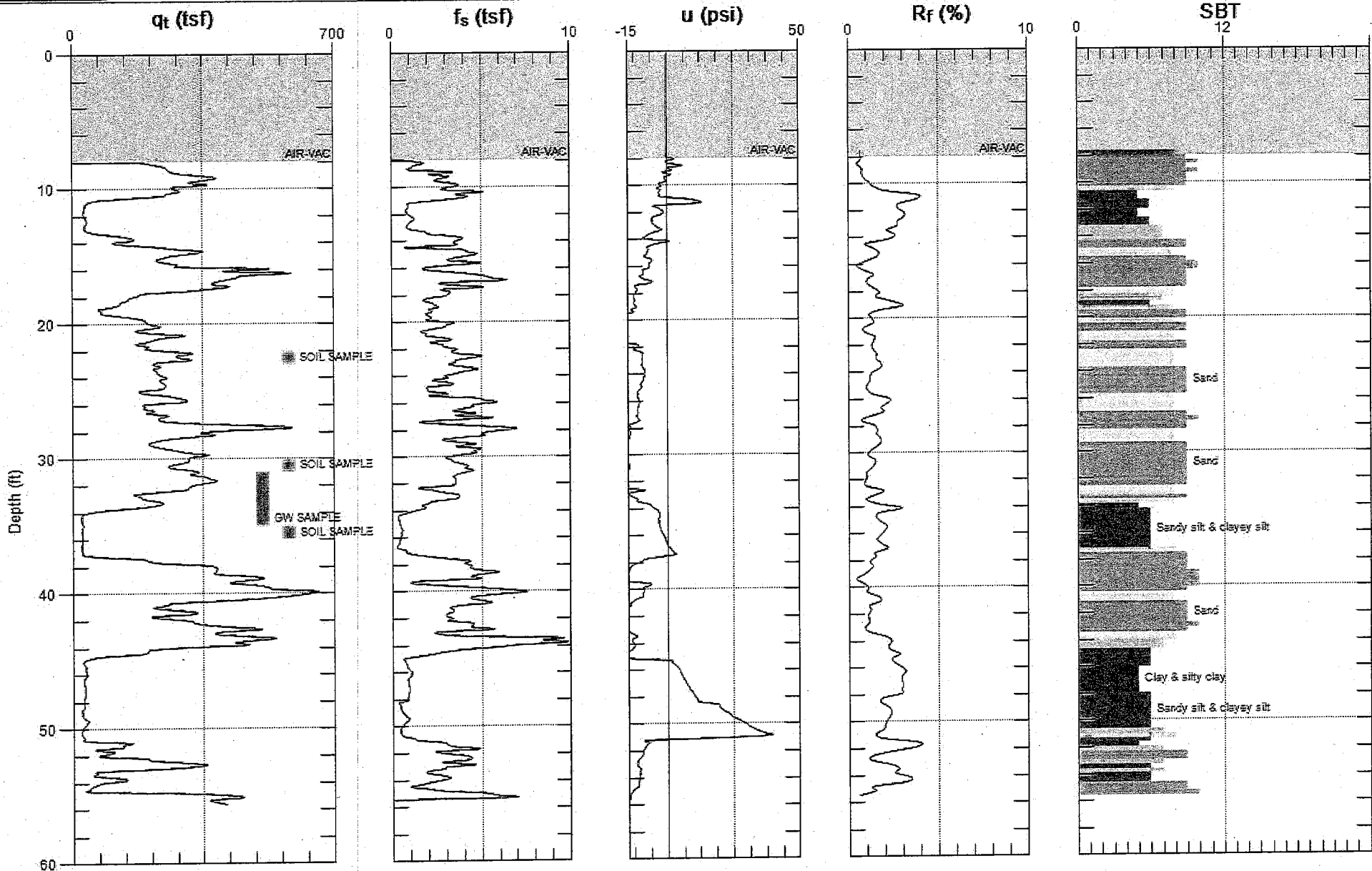
Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from
Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action
Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

Copies of ASTM Standards are available through www.astm.org



Max. Depth: 55.118 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Max. Depth: 55.610 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



**CONESTOGA-ROVERS
& ASSOCIATES**

ATTACHMENT D
Boring Logs



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SB6
JOB/SITE NAME	30-7233	DRILLING STARTED	28-Jan-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	30-Jan-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	22.0 ft (30-Jan-08)
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		Composite soil sample SB6-SHALLOW		0			Silty SAND with gravel: Brown; damp; 70% well graded sand, 20% silt, 10% gravel; non-plastic; high estimated permeability.		
				5	SM				
0		SB6-9.5		9.0			Sandy GRAVEL with silt: Brown; moist; 50% gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	9.0	
				10	GW				
				12.0			Silty SAND: Brown with green mottling; moist; 80% fine sand, 15% silt, 5% clay; non-plastic; moderate estimated permeability.	12.0	
				15					
0		SB6-19.5		19.5					
				20	SM				
				22.0			@22 fbg soil becomes wet	22.0	
1		SB6-24		24					
				25					
				25.0					
									Bottom of Boring @ 25 ft

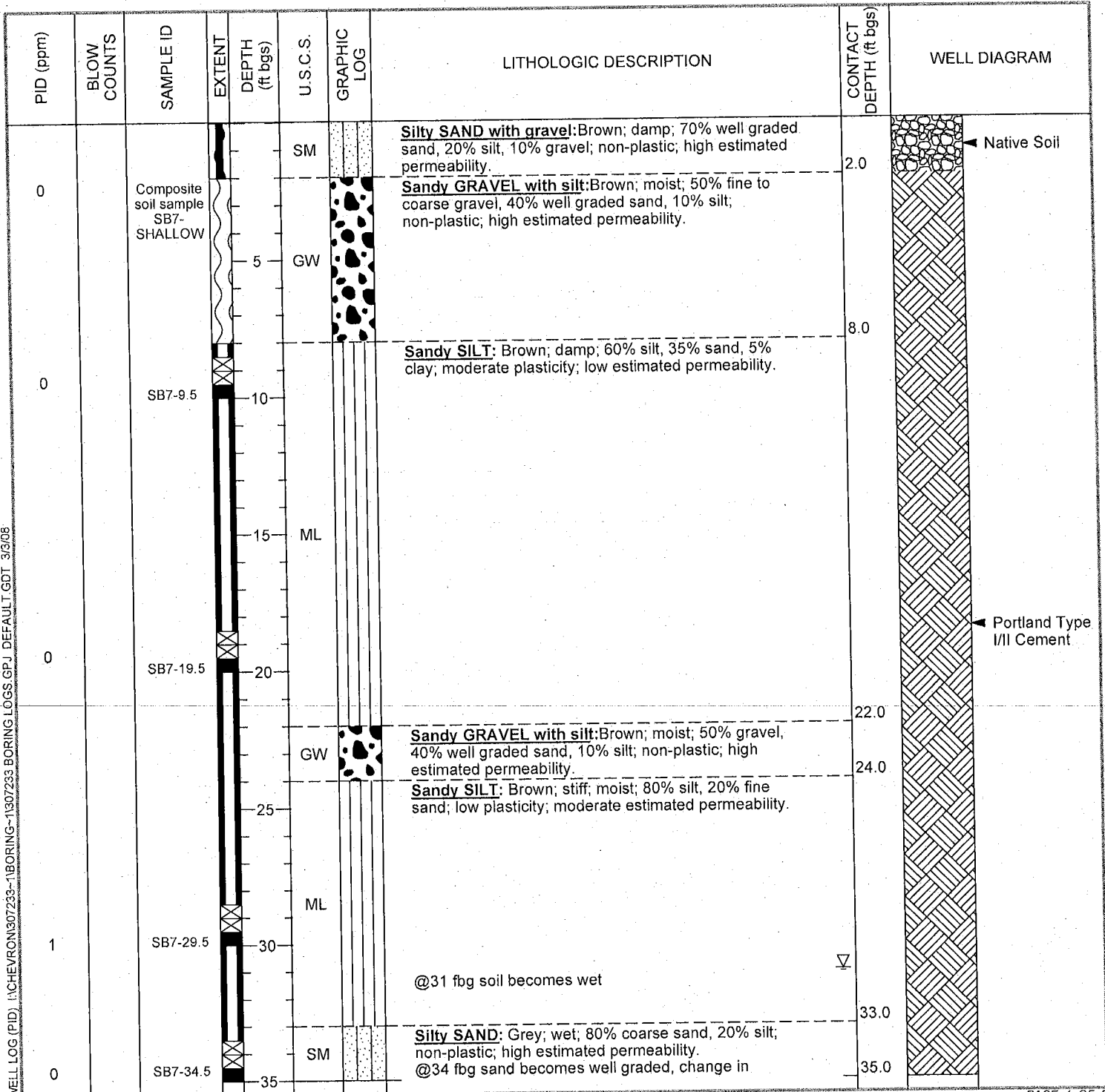
WELL LOG (PID) \\CHEVRON\307233-BORING-1\BORING-1307233 BORING LOGS GP1_DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SB7
JOB/SITE NAME	30-7233	DRILLING STARTED	28-Jan-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	30-Jan-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	31.0 ft (30-Jan-08)
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		



WELL LOG (PID) I:\CHEVRON\1307233-1\BORING-1307233 BORING LOGS.GPJ DEFAULT GDT 3/3/08

Continued Next Page



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>SB7</u>
JOB/SITE NAME	<u>30-7233</u>	DRILLING STARTED	<u>28-Jan-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>30-Jan-08</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							composition: 60% sand, 30% silt, 10% gravel.		Bottom of Boring @ 35 ft

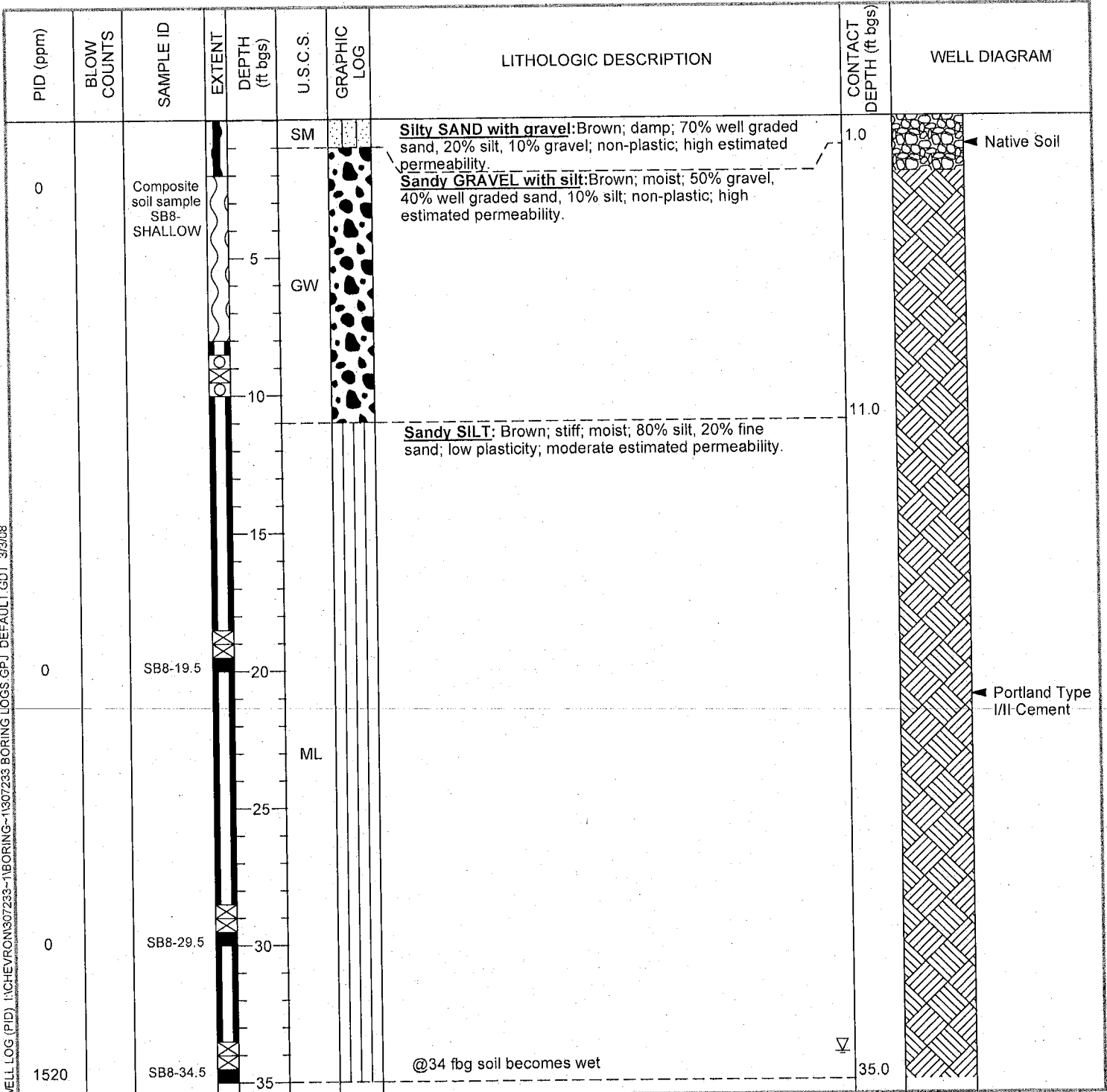
WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\BORING-11307233 BORING LOGS.CPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SB8
JOB/SITE NAME	30-7233	DRILLING STARTED	28-Jan-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	31-Jan-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	34.0 ft (31-Jan-08)
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		



WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 3/3/08

Continued Next Page



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME Chevron Environmental Management Company BORING/WELL NAME SB8
 JOB/SITE NAME 30-7233 DRILLING STARTED 28-Jan-08
 LOCATION 2259 First Street, Livermore, California DRILLING COMPLETED 31-Jan-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
23		SB8-39.5		40	SM		<u>Silty SAND</u> : Brown; wet; 60% sand, 35% silt, 5% gravel; non-plastic; moderate estimated permeability.	40.0	
									Bottom of Boring @ 40 ft

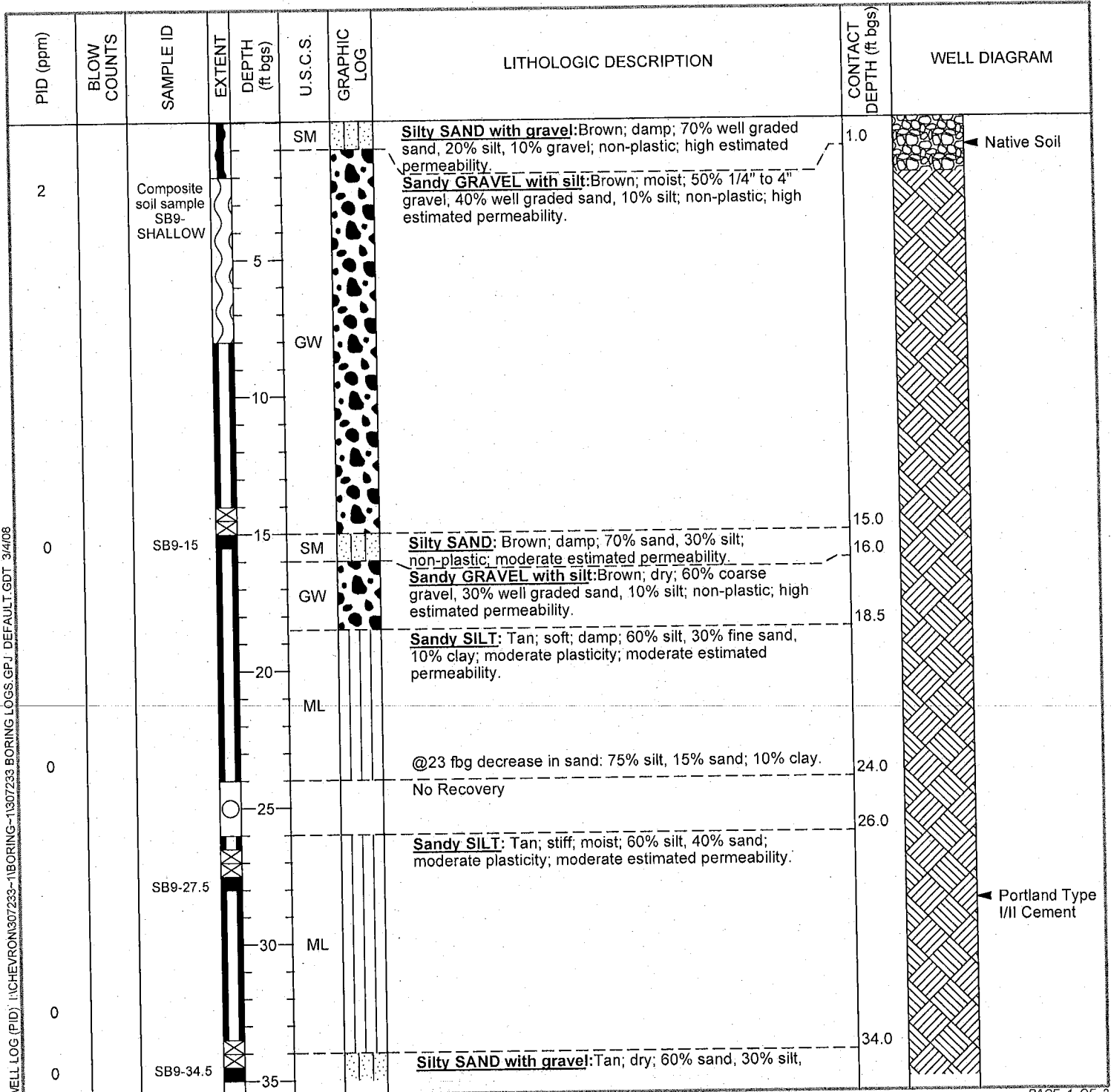
WELL LOG (PID) \VCHEVRON\307233-1\BORING-1\307233 BORING LOGS GPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SB9
JOB/SITE NAME	30-7233	DRILLING STARTED	28-Jan-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	29-Jan-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push and Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		



WELL LOG (PID) \\\CHEVRON\1307233-1\BORING-1307233-BORING LOGS.GPJ DEFAULT.GDT 3/4/08

Continued Next Page



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SB9
JOB/SITE NAME	30-7233	DRILLING STARTED	28-Jan-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	29-Jan-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				40	SM		10% fine gravel; non-plastic; moderate estimated permeability.	40.0	
				44.0			No Recovery	44.0	
		SB9-46.5		45			Silty SAND: Tan; soft; moist; 70% sand, 30% silt; non-plastic; moderate estimated permeability.	45.0	
3				50	SM		@50 fbg becomes stiff, composition changes: 60% sand, 40% silt.	50.0	
				54.0			@53 fbg gravel lens 6" thick: green; moist; 50% sand, 10% silt, 40% fine gravel; non-plastic; moderate to high estimated permeability.	54.0	
30		SB9-54.5		55	SM		SAND with gravel: Green; soft; moist; 70% well graded sand, 30% fine gravel; non-plastic; moderate to high estimated permeability.	55.0	
									Bottom of Boring @ 55 ft

WELL LOG (PID): I:\CHEVRON\307233-1\BORING-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SSB1
JOB/SITE NAME	30-7233	DRILLING STARTED	31-Jan-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	01-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	RSI Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	S. McNaboe	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		SSB1-1.5			ML		Sandy SILT with gravel: Brown; damp; 50% well graded sand, 40% 0.2-inch gravel, 10% silt; low plasticity; moderate estimated permeability.	2.0	Native Soil
0		SSB1-2.5			GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	5.0	Portland Type I/II Cement
0		SSB1-4.5		5			Refusal @ 5 fbg		Bottom of Boring @ 5 ft

WELL LOG (PID) \\CHEVRON\37233-1\BORING-1\307233 BORING LOGS GP 1 DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>SSB2</u>
JOB/SITE NAME	<u>30-7233</u>	DRILLING STARTED	<u>01-Feb-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>01-Feb-08</u>
PROJECT NUMBER	<u>312264</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>RSI Drilling</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hand Auger</u>	TOP OF CASING ELEVATION	<u>NA</u>
BORING DIAMETER	<u>2"</u>	SCREENED INTERVAL	<u>NA</u>
LOGGED BY	<u>S. McNaboe</u>	DEPTH TO WATER (First Encountered)	<u>NA</u>
REVIEWED BY	<u>R. Foss, PG #7445</u>	DEPTH TO WATER (Static)	<u>NA</u>
REMARKS	<u>Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade</u>		



PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
4		SSB2-1.5			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.0	
1		SSB2-2.5					Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.		
0		SSB2-4.5		5	GW				
0		SSB2-8					Refusal @ 8.5 fbg	8.5	Bottom of Boring @ 8.5 ft








WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1307233 BORING LOGS.GPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME Chevron Environmental Management Company BORING/WELL NAME SSB3
 JOB/SITE NAME 30-7233 DRILLING STARTED 30-Jan-08
 LOCATION 2259 First Street, Livermore, California DRILLING COMPLETED 06-Feb-08
 PROJECT NUMBER 312264 WELL DEVELOPMENT DATE (YIELD) NA
 DRILLER RSI Drilling GROUND SURFACE ELEVATION Not Surveyed
 DRILLING METHOD Hand Auger TOP OF CASING ELEVATION NA
 BORING DIAMETER 2" SCREENED INTERVAL NA
 LOGGED BY I. Hull DEPTH TO WATER (First Encountered) NA 
 REVIEWED BY R. Foss, PG #7445 DEPTH TO WATER (Static) NA 
 REMARKS Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft. bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
4		SSB3-1.5		1.5	SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	3.0	 Native Soil
2		SSB3-3		3	GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	5.5	 Portland Type I/II Cement
2		SSB3-5		5			Refusal @ 5.5 fbg		Bottom of Boring @ 5.5 ft

WELL LOG (PID) I:\CHEVRON\1307233-1\BORING-1307233 BORING LOGS.GPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SSB4
JOB/SITE NAME	30-7233	DRILLING STARTED	01-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	01-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	RSI Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	E. Namba	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		SSB4-1.5		SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.0	
0		SSB4-2.5				Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.		
0		SSB4-4.5	5	GW				
0		SSB4-9				Refusal @ 9.5 fbg	9.5	Bottom of Boring @ 9.5 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SSB5
JOB/SITE NAME	30-7233	DRILLING STARTED	06-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	06-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	NA ▽
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA ▼
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
2		SSB5-1.5			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	3.0	
1		SSB5-3			GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	7.5	
1		SSB5-5.5							
2		SSB5-7							
							Refusal @ 7.5 fbg		Bottom of Boring @ 7.5 ft

WELL LOG (PID) [CHEVRON]307233-1BORING-1307233 BORING LOGS.GPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SSB6
JOB/SITE NAME	30-7233	DRILLING STARTED	06-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	06-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	RSI Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
3		SSB6-1.5			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.		Native Soil
1		SSB6-3			GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	4.0 5.0	Portland Type I/II Cement
				5			Refusal @ 5 fbg		Bottom of Boring @ 5 ft

WELL LOG (PID): I:\CHEVRON\307233-1\BORING-1307233 BORING LOGS.GPJ DEFAULT GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SSB7
JOB/SITE NAME	30-7233	DRILLING STARTED	06-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	06-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Williams	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
4		SSB7-1.5			SM		<p>Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.</p> <p>Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.</p>	1.0	Native Soil
0		SSB7-3.5			GW				Portland Type I/II Cement
0		SSB7-5.5		5					
3		SSB7-7						7.5	
							Refusal @ 7.5 fbg		

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS GPJ_DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SSB8
JOB/SITE NAME	30-7233	DRILLING STARTED	01-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	01-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		SSB8-1.5			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	1.0	Native Soil
0		SSB8-4.5		5	GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.		Portland Type III Cement
0		SSB8-9					Refusal @ 9.5 fbg	9.5	Bottom of Boring @ 9.5 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS GPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SSB9
JOB/SITE NAME	30-7233	DRILLING STARTED	06-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	06-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Williams	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
1		SSB9-1.5			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.0	Native Soil
1		SSB9-3					Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.		
2		SSB9-5		5	GW				Portland Type I/II Cement
0		SSB9-9					Refusal @ 9.5 fbg	9.5	Bottom of Boring @ 9.5 ft

WELL LOG (PID) I:\CHEVRON\1307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SSB10
JOB/SITE NAME	30-7233	DRILLING STARTED	06-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	06-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Williams	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
					SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.0	Native Soil
0		SSB10-3							
0		SSB10-5		5	GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.		Portland Type I/II Cement
0		SSB10-9					Refusal @ 9.5 fbg	9.5	Bottom of Boring @ 9.5 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.CPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>SSB11</u>
JOB/SITE NAME	<u>30-7233</u>	DRILLING STARTED	<u>06-Feb-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>06-Feb-08</u>
PROJECT NUMBER	<u>312264</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Gregg Drilling & Testing, C57 #485165</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hand Auger</u>	TOP OF CASING ELEVATION	<u>NA</u>
BORING DIAMETER	<u>2"</u>	SCREENED INTERVAL	<u>NA</u>
LOGGED BY	<u>J. Williams</u>	DEPTH TO WATER (First Encountered)	<u>NA</u>
REVIEWED BY	<u>R. Foss, PG #7445</u>	DEPTH TO WATER (Static)	<u>NA</u>
REMARKS	<u>Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade</u>		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		SSB11-1.5			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.5	Native Soil
0		SSB11-3					Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.		
2		SSB11-5		5	GW				Portland Type I/II Cement
1		SB11-8.5					Refusal @ 9 fbg	9.0	Bottom of Boring @ 9 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	VP1
JOB/SITE NAME	30-7233	DRILLING STARTED	31-Jan-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	31-Jan-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex, C57 #705927	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		VP1-4.5		5	SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.0	<p>Portland Type I/II Cement</p> <p>Bentonite Seal</p> <p>Monterey Sand #2/12</p> <p>Portland Type I/II Cement</p> <p>Bentonite Seal</p> <p>Monterey Sand #2/12</p> <p>Vapor well installed past 8.5 fbg by advancing a 0.5 inch rod to total depth, installing well, and then removing rod.</p> <p>Bottom of Boring @ 10 ft</p>
0		VP1-8		10	GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	8.5	
				10			Refusal @ 8.5 fbg		

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233.BORING.LOGS.GPJ DEFAULT GDT 3/3/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	VP2
JOB/SITE NAME	30-7233	DRILLING STARTED	01-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	01-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex, C57 #705927	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		VP2-4.5		4.5	SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	3.0	<ul style="list-style-type: none"> ← Portland Type I/II Cement ← Bentonite Seal ← Monterey Sand #2/12 ← Portland Type I/II Cement ← Bentonite Seal ← Monterey Sand #2/12
0		VP2-9.5		9.5	GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	10.0	
									Bottom of Boring @ 10.5 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 3/4/08



Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	VP3
JOB/SITE NAME	30-7233	DRILLING STARTED	01-Feb-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	01-Feb-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex, C57 #705927	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hand Auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	S. McNaboe	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	R. Foss, PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Utility cleared with an air-knife-assisted vacuum truck to 8 feet below grade		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
					SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.0	
0		VP3-4.5		5	GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.		
0		VP3-8		10				8.5	

WELL LOG (PID) 1:CHEVRON\307233-1\BORING-1\307233 BORING LOGS.CPJ DEFAULT.GDT 3/3/08



**CONESTOGA-ROVERS
& ASSOCIATES**

ATTACHMENT E
Laboratory Analytical Reports



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-658-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1075337. Samples arrived at the laboratory on Wednesday, January 30, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

Client Description

SB-8-S-SHALLOW-080128 Composite Soil
SB-9-S-SHALLOW-080128 Composite Soil
SB-6-S-SHALLOW-080128 Composite Soil
SB-7-S-SHALLOW-080128 Composite Soil

Lancaster Labs Number

5267812
5267813
5267814
5267815

ELECTRONIC COPY TO
ELECTRONIC COPY TO
ELECTRONIC COPY TO
ELECTRONIC COPY TO

CRA

CRA

Attn: Charlotte Evans

Attn: I Hull



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2661 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Christine Dulaney".

Christine Dulaney
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5267812

Group No. 1075337

SB-8-S-SHALLOW-080128 Composite Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-8
Collected: 01/28/2008 09:45 by IH

Account Number: 10880

Submitted: 01/30/2008 12:50
Reported: 02/11/2008 at 11:32
Discard: 03/13/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FLSB8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	18.	4.0	mg/kg	1
06955	Lead	7439-92-1	21.9	0.490	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	53.	20.	mg/kg	2
02552	TPH Motor Oil C16-C36	n.a.	53.	20.	mg/kg	2
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.93
02017	di-Isopropyl ether	108-20-3	N.D.	0.0009	mg/kg	0.93
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.0009	mg/kg	0.93
02019	t-Amyl methyl ether	994-05-8	N.D.	0.0009	mg/kg	0.93
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.93
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.93
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0009	mg/kg	0.93
05466	Toluene	108-88-3	N.D.	0.0009	mg/kg	0.93
05471	1,2-Dibromoethane	106-93-4	N.D.	0.0009	mg/kg	0.93
05474	Ethylbenzene	100-41-4	N.D.	0.0009	mg/kg	0.93
06301	Xylene (Total)	1330-20-7	N.D.	0.0009	mg/kg	0.93

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5267812

Group No. 1075337

SB-8-S-SHALLOW-080128 Composite Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-8
Collected: 01/28/2008 09:45 by IH

Account Number: 10880

Submitted: 01/30/2008 12:50
Reported: 02/11/2008 at 11:32
Discard: 03/13/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FLSB8
CAT

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	01/31/2008	18:36	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/04/2008	11:45	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008	06:42	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008	23:30	Matthew E Barton	2
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	01/31/2008	22:02	Kelly E Brickley	0.93
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/30/2008	20:48	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/30/2008	20:46	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/30/2008	20:47	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008	19:40	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/30/2008	20:45	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	01/31/2008	15:30	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	01/31/2008	15:30	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5267813

Group No. 1075337

SB-9-S-SHALLOW-080128 Composite Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-9
 Collected: 01/28/2008 11:05 by IH

Account Number: 10880

Submitted: 01/30/2008 12:50
 Reported: 02/11/2008 at 11:32
 Discard: 03/13/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

FLSB9

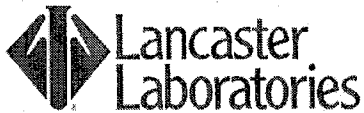
CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	1.3		1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	13.		4.0	mg/kg	1
06955	Lead	7439-92-1	13.5		0.476	mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	32.		10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	32.		10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.0005	mg/kg	0.98
02017	di-Isopropyl ether	108-20-3	N.D.		0.001	mg/kg	0.98
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.001	mg/kg	0.98
02019	t-Amyl methyl ether	994-05-8	N.D.		0.001	mg/kg	0.98
02020	t-Butyl alcohol	75-65-0	N.D.		0.020	mg/kg	0.98
05460	Benzene	71-43-2	N.D.		0.0005	mg/kg	0.98
05461	1,2-Dichloroethane	107-06-2	N.D.		0.001	mg/kg	0.98
05466	Toluene	108-88-3	N.D.		0.001	mg/kg	0.98
05471	1,2-Dibromoethane	106-93-4	N.D.		0.001	mg/kg	0.98
05474	Ethylbenzene	100-41-4	N.D.		0.001	mg/kg	0.98
06301	Xylene (Total)	1330-20-7	N.D.		0.001	mg/kg	0.98

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01725	TPH-GRO - Soils	SW-846 8015B modified	1	01/31/2008	19:13	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5267813

Group No. 1075337

SB-9-S-SHALLOW-080128 Composite Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-9
Collected: 01/28/2008 11:05 by IH

Account Number: 10880

Submitted: 01/30/2008 12:50
Reported: 02/11/2008 at 11:32
Discard: 03/13/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FLSB9							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/01/2008 17:53	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/08/2008 07:03	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 06:41	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	01/31/2008 22:25	Kelly E Brickley		0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/30/2008 20:52	Eric L Vera		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/30/2008 20:53	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/30/2008 20:51	Eric L Vera		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/30/2008 20:50	Eric L Vera		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	01/31/2008 15:30	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	01/31/2008 15:30	Doreen K Robles		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5267814

Group No. 1075337

SB-6-S-SHALLOW-080128 Composite Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-6
 Collected:01/28/2008 13:25 by IH

Account Number: 10880

Submitted: 01/30/2008 12:50
 Reported: 02/11/2008 at 11:32
 Discard: 03/13/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

FLSB6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	6.13	0.471	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.96
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.96
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.96
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.96
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.96
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.96
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.96
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.96

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	01/31/2008 19:50	Linda C Pape	25

Lancaster Laboratories Sample No. SW5267814

Group No. 1075337

SB-6-S-SHALLOW-080128 Composite Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-6
 Collected: 01/28/2008 13:25 by IH

Account Number: 10880

Submitted: 01/30/2008 12:50
 Reported: 02/11/2008 at 11:32
 Discard: 03/13/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

FLSB6

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/01/2008 17:14	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008 07:07	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 05:53	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	01/31/2008 22:48	Kelly E Brickley	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/30/2008 20:56	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/30/2008 20:57	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/30/2008 20:55	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/30/2008 20:54	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	01/31/2008 15:30	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	01/31/2008 15:30	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5267815

Group No. 1075337

SB-7-S-SHALLOW-080128 Composite Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-7
 Collected: 01/28/2008 15:00 by IH

Account Number: 10880

Submitted: 01/30/2008 12:50
 Reported: 02/11/2008 at 11:32
 Discard: 03/13/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

FLSB7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg	1
06955	Lead	7439-92-1	8.57		0.471	mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.		10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.		10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.		0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.		0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.		0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.		0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.		0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.		0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.		0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.		0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.		0.001	mg/kg	1.01

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	01/31/2008 20:30	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5267815

Group No. 1075337

SB-7-S-SHALLOW-080128 Composite Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-7
Collected: 01/28/2008 15:00 by IH

Account Number: 10880

Submitted: 01/30/2008 12:50
Reported: 02/11/2008 at 11:32
Discard: 03/13/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FLSB7

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/01/2008 17:34	Diane V Do	1
06955	Lead	SW-846 6010B	2	02/08/2008 07:18	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 06:17	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	01/31/2008 23:12	Kelly E Brickley	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/30/2008 20:59	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/30/2008 21:00	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/30/2008 21:03	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/30/2008 21:02	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	01/31/2008 15:30	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	01/31/2008 15:30	Doreen K Robles	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/11/08 at 11:32 AM

Group Number: 1075337

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08030A34B TPH-GRO - Soils	N.D.	1.0	mg/kg	102		67-119		
Batch number: 080310009A TPH-DRO by 8015B w/Silica Gel	N.D.	4.0	mg/kg	104	97	71-109	7	20
Batch number: 080310010A Total TPH TPH Motor Oil C16-C36	N.D.	10.	mg/kg	78	79	66-113	2	20
Batch number: 080385708001 Lead	N.D.	0.490	mg/kg	93		90-110		
Batch number: B080312AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene Xylene (Total)	N.D.	0.0005	mg/kg	98	96	72-117	3	30
	N.D.	0.001	mg/kg	90	87	72-120	4	30
	N.D.	0.001	mg/kg	94	91	72-115	4	30
	N.D.	0.001	mg/kg	94	91	73-116	3	30
	N.D.	0.020	mg/kg	95	92	59-154	3	30
	N.D.	0.0005	mg/kg	95	90	84-115	6	30
	N.D.	0.001	mg/kg	118	114	76-126	3	30
	N.D.	0.001	mg/kg	96	90	81-116	6	30
	N.D.	0.001	mg/kg	99	97	77-114	1	30
	N.D.	0.001	mg/kg	93	88	82-115	5	30
	N.D.	0.001	mg/kg	93	88	82-117	5	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 08030A34B TPH-GRO - Soils	97	104	39-118	8	30				
Batch number: 080385708001 Lead	154*	176*	75-125	6	20	21.9	28.0	24*	20
Batch number: B080312AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol	83		59-119						
	76		58-113						
	78		60-112						
	77		63-112						
	87		51-134						

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/11/08 at 11:32 AM

Group Number: 1075337

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Benzene	75		66-112						
1,2-Dichloroethane	107		62-130						
Toluene	72		50-121						
1,2-Dibromoethane	81		66-108						
Ethylbenzene	69		54-116						
Xylene (Total)	68		52-117						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-GRO - Soils
 Batch number: 08030A34B
 Trifluorotoluene-F

5267812	92
5267813	94
5267814	86
5267815	89
Blank	99
LCS	101
MS	102
MSD	101

Limits: 61-122

 Analysis Name: TPH-DRO by 8015B w/Silica Gel
 Batch number: 080310009A
 Orthoterphenyl

5267812	96
5267813	97
5267814	95
5267815	97
Blank	98
LCS	119
LCSD	112

Limits: 59-129

 Analysis Name: TPH Fuels by GC (Soils)
 Batch number: 080310010A
 Chlorobenzene Orthoterphenyl

5267812	97	104
5267813	79	97
5267814	92	98
5267815	88	97
Blank	96	95

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/11/08 at 11:32 AM

Group Number: 1075337

Surrogate Quality Control

LCS 105 101
LCSD 109 101

Limits: 37-125 47-145

Analysis Name: BTEX+5 Oxygenates+EDC+EDB

Batch number: B080312AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5267812	103	87	88	95
5267813	104	92	89	94
5267814	105	91	88	84
5267815	105	90	89	84
Blank	100	93	89	84
LCS	97	90	93	92
LCSD	97	85	93	92
MS	100	84	95	97

Limits: 71-114 70-109 70-123 70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



012908-06

Acct. #: 10880 For Lancaster Laboratories use only Sample #: 5267812-15 SCR#: 243479

Grp# 1075337

Facility #: <u>30-7233 AIL</u> Site Address: <u>2289 FIRST ST., LIVERMORE</u> Chevron PM: <u>ROBB</u> Lead Consultant: <u>CRA</u> Consultant/Office: <u>EMERYVILLE</u> Consultant Proj. Mgr.: <u>C. EVANS</u> Consultant Phone #: <u>510-420-2344</u> Fax #: <u>510-420-9170</u> Sampler: <u>IH</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____							Analyses Requested										Preservative Codes		Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other																																																																																				
							Total Number of Containers										<input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits																																																																																						
							Grab Composite BTEX 8260 8021 <input type="checkbox"/> TPH 8015 MOD GRO TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup 8260 full scan 7 Oxygenates LEAD SCAVS. Lead 8010 GO10 TPH no by 8015M																																																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Field Point Name</th> <th>Matrix</th> <th>Repeat Sample</th> <th>Top Depth</th> <th>Year</th> <th>Month</th> <th>Day</th> <th>Time Collected</th> <th>New Field Pt.</th> <th>Grab</th> <th>Composite</th> <th>Total Number of Containers</th> <th>BTEX 8260 8021 <input type="checkbox"/></th> <th>TPH 8015 MOD GRO</th> <th>TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup</th> <th>8260 full scan</th> <th>7 Oxygenates LEAD SCAVS.</th> <th>Lead 8010 GO10</th> <th>TPH no by 8015M</th> </tr> </thead> <tbody> <tr> <td>SB#8-S-SHALLO</td> <td>S</td> <td></td> <td></td> <td>08</td> <td>01</td> <td>28</td> <td>0945</td> <td></td> <td>X</td> <td>I</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>SB#9-S-SHALLO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1105</td> <td></td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> </tr> <tr> <td>SB#6-S-SHALLO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1325</td> <td></td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> </tr> <tr> <td>SB#7-S-SHALLO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1500</td> <td></td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> <td>I</td> </tr> </tbody> </table>							Field Point Name	Matrix	Repeat Sample	Top Depth	Year	Month	Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX 8260 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	7 Oxygenates LEAD SCAVS.	Lead 8010 GO10	TPH no by 8015M	SB#8-S-SHALLO	S			08	01	28	0945		X	I	X	X	X	X	X	X	X	X	SB#9-S-SHALLO							1105		I	I	I	I	I	I	I	I	I	I	SB#6-S-SHALLO							1325		I	I	I	I	I	I	I	I	I	I	SB#7-S-SHALLO							1500		I	I	I	I	I	I	I	I	I	I	Comments / Remarks Please e-mail results: cevans ihvll both @craworld.com EDF to: dohare@craworld.com	
Field Point Name	Matrix	Repeat Sample	Top Depth	Year	Month	Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX 8260 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	7 Oxygenates LEAD SCAVS.	Lead 8010 GO10	TPH no by 8015M																																																																																					
SB#8-S-SHALLO	S			08	01	28	0945		X	I	X	X	X	X	X	X	X	X																																																																																					
SB#9-S-SHALLO							1105		I	I	I	I	I	I	I	I	I	I																																																																																					
SB#6-S-SHALLO							1325		I	I	I	I	I	I	I	I	I	I																																																																																					
SB#7-S-SHALLO							1500		I	I	I	I	I	I	I	I	I	I																																																																																					
Turnaround Time Requested (TAT) (please circle) (STD. TAT) 24 hour 72 hour 48 hour 4 day 5 day							Relinquished by: <u>[Signature]</u> Date: <u>1/28/08</u> Time: <u>1020</u>		Received by: <u>SECURE LOCATION</u> Date: _____ Time: _____																																																																																														
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk							Relinquished by: <u>[Signature]</u> Date: <u>1/29/08</u> Time: <u>1320</u>		Received by: <u>[Signature]</u> Date: <u>29 JAN 08</u> Time: <u>1300</u>																																																																																														
Relinquished by Commercial Carrier: UPS FedEx Other <u>Other</u>							Relinquished by: <u>[Signature]</u> Date: <u>29 JAN 08</u> Time: <u>1615</u>		Received by: <u>[Signature]</u> Date: <u>1/30/08</u> Time: <u>1200</u>																																																																																														
Temperature Upon Receipt <u>07-30</u> °C							Custody Seals Intact? Yes <input checked="" type="checkbox"/> No																																																																																																

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1075463. Samples arrived at the laboratory on Thursday, January 31, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
SB-9-S-15-080129 Grab Soil	5268359
SB-9-S-27.5-080129 Grab Soil	5268360
SB-9-S-34.5-080129 Grab Soil	5268361
SB-9-S-46.5-080129 Grab Soil	5268362
SB-9-S-54.5-080129 Grab Soil	5268363

ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Max E. Snavelly".

Max E. Snavelly
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5268359

Group No. 1075463

SB-9-S-15-080129 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-9
 Collected: 01/29/2008 09:20 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
 Reported: 02/12/2008 at 08:39
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S9-15

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	6.36	0.480	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.02
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.02
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.02
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.02

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution
				Date and Time		Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	01/31/2008 22:34	Linda C Pape	25

Lancaster Laboratories Sample No. SW5268359

Group No. 1075463

SB-9-S-15-080129 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-9
 Collected: 01/29/2008 09:20 by IH

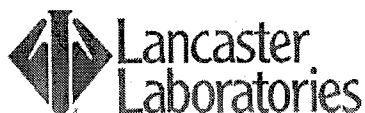
Account Number: 10880

Submitted: 01/31/2008 10:10
 Reported: 02/12/2008 at 08:39
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S9-15

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 17:21	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/04/2008 10:44	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 12:23	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/01/2008 12:39	Nicholas R Rossi	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/31/2008 14:58	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/31/2008 14:57	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/31/2008 14:54	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/03/2008 19:10	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/31/2008 14:56	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5268360

Group No. 1075463

SB-9-S-27.5-080129 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-9
 Collected: 01/29/2008 10:13 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
 Reported: 02/12/2008 at 08:39
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S9-27

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	7.92	0.490	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.08
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.08
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.08
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.08
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	mg/kg	1.08
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.08
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.08
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.08
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.08
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.08
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.08

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	01/31/2008 23:09	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5268360

Group No. 1075463

SB-9-S-27.5-080129 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-9
Collected: 01/29/2008 10:13 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
Reported: 02/12/2008 at 08:39
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

S9-27							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 17:41	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/04/2008 09:39	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 12:47	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/01/2008 13:02	Nicholas R Rossi		1.08
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/31/2008 15:03	Eric L Vera		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/31/2008 15:05	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/31/2008 15:02	Eric L Vera		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/03/2008 19:10	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/31/2008 15:04	Eric L Vera		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5268361

Group No. 1075463

SB-9-S-34.5-080129 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-9
 Collected: 01/29/2008 10:30 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
 Reported: 02/12/2008 at 08:39
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S9-34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0		mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0		mg/kg	1
06955	Lead	7439-92-1	12.3	0.485		mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.	10.		mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.		mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005		mg/kg	1.04
02017	di-Isopropyl ether	108-20-3	N.D.	0.001		mg/kg	1.04
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001		mg/kg	1.04
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001		mg/kg	1.04
02020	t-Butyl alcohol	75-65-0	N.D.	0.021		mg/kg	1.04
05460	Benzene	71-43-2	N.D.	0.0005		mg/kg	1.04
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001		mg/kg	1.04
05466	Toluene	108-88-3	N.D.	0.001		mg/kg	1.04
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001		mg/kg	1.04
05474	Ethylbenzene	100-41-4	N.D.	0.001		mg/kg	1.04
06301	Xylene (Total)	1330-20-7	N.D.	0.001		mg/kg	1.04

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	01/31/2008 23:45	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5268361

Group No. 1075463

SB-9-S-34.5-080129 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-9
Collected: 01/29/2008 10:30 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
Reported: 02/12/2008 at 08:39
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

S9-34

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 18:01	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/04/2008 10:48	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 13:11	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/01/2008 13:25	Nicholas R Rossi	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/31/2008 15:08	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/31/2008 15:10	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/31/2008 15:09	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/03/2008 19:10	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/31/2008 15:11	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5268362

Group No. 1075463

SB-9-S-46.5-080129 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-9
 Collected: 01/29/2008 11:07 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
 Reported: 02/12/2008 at 08:39
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S9-46

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	9.34	0.471	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.1
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	mg/kg	1.1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/01/2008	00:21	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5268362

Group No. 1075463

SB-9-S-46.5-080129 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-9
Collected:01/29/2008 11:07 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
Reported: 02/12/2008 at 08:39
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

S9-46								
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 18:20	Diane V Do			1
06955	Lead	SW-846 6010B	1	02/04/2008 10:53	Joanne M Gates			1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 13:34	Matthew E Barton			1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/01/2008 20:01	Nicholas R Rossi			1.1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/31/2008 15:15	Eric L Vera			n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/31/2008 15:16	Eric L Vera			n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/31/2008 15:14	Eric L Vera			n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/03/2008 19:10	Annamaria Stipkovits			1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/31/2008 15:17	Eric L Vera			n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles			1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles			1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5268363

Group No. 1075463

SB-9-S-54.5-080129 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB-9
 Collected: 01/29/2008 11:36 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
 Reported: 02/12/2008 at 08:39
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

S9-54

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	5.77	0.476	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.09
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.09
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.09
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.09
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	mg/kg	1.09
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.09
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.09
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.09
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.09
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.09
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.09

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/01/2008 00:57	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5268363

Group No. 1075463

SB-9-S-54.5-080129 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-9
Collected: 01/29/2008 11:36 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
Reported: 02/12/2008 at 08:39
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

S9-54							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 18:40	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/04/2008 10:58	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 13:58	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/01/2008 14:12	Nicholas R Rossi		1.09
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	01/31/2008 15:21	Eric L Vera		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	01/31/2008 15:24	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	01/31/2008 15:20	Eric L Vera		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/03/2008 19:10	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	01/31/2008 15:25	Eric L Vera		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles		1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/12/08 at 08:39 AM

Group Number: 1075463

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08030A34B TPH-GRO - Soils	N.D.	1.0	mg/kg	102		67-119		
Batch number: 080325708002 Lead	N.D.	0.490	mg/kg	104		90-110		
Batch number: 080350013A Total TPH	N.D.	10.	mg/kg	78	80	66-113	3	20
TPH Motor Oil C16-C36	N.D.	10.	mg/kg					
Batch number: 080350013B TPH-DRO by 8015B w/Silica Gel	N.D.	4.0	mg/kg	93	96	71-109	2	20
Batch number: B080321AA Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	104	102	72-117	2	30
di-Isopropyl ether	N.D.	0.001	mg/kg	94	93	72-120	1	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	98	97	72-115	2	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	98	97	73-116	1	30
t-Butyl alcohol	N.D.	0.020	mg/kg	95	97	59-154	2	30
Benzene	N.D.	0.0005	mg/kg	101	100	84-115	1	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	127*	126	76-126	1	30
Toluene	N.D.	0.001	mg/kg	99	97	81-116	2	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	108	103	77-114	5	30
Ethylbenzene	N.D.	0.001	mg/kg	97	98	82-115	0	30
Xylene (Total)	N.D.	0.001	mg/kg	97	97	82-117	0	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 08030A34B TPH-GRO - Soils	97	104	39-118	8	30				
Batch number: 080325708002 Lead	103	95	75-125	5	20	7.92	7.51	5	20
Batch number: B080321AA Methyl Tertiary Butyl Ether	109		59-119						
di-Isopropyl ether	99		58-113						
Ethyl t-butyl ether	102		60-112						
t-Amyl methyl ether	101		63-112						
t-Butyl alcohol	97		51-134						

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/12/08 at 08:39 AM

Group Number: 1075463

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Benzene	98		66-112					
1,2-Dichloroethane	137*		62-130					
Toluene	98		50-121					
1,2-Dibromoethane	106		66-108					
Ethylbenzene	99		54-116					
Xylene (Total)	99		52-117					

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-GRO - Soils
 Batch number: 08030A34B
 Trifluorotoluene-F

5268359	89
5268360	91
5268361	94
5268362	82
5268363	86
Blank	99
LCS	101
MS	102
MSD	101

Limits: 61-122

 Analysis Name: TPH Fuels by GC (Soils)
 Batch number: 080350013A
 Chlorobenzene Orthoterphenyl

5268359	86	89
5268360	74	79
5268361	78	81
5268362	72	71
5268363	83	79
Blank	95	95
LCS	104	100
LCSD	107	101

Limits: 37-125 47-145

 Analysis Name: TPH-DRO by 8015B w/Silica Gel
 Batch number: 080350013B
 Orthoterphenyl

5268359	94
5268360	87
5268361	84

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/12/08 at 08:39 AM

Group Number: 1075463

Surrogate Quality Control

5268362 78
5268363 81
Blank 102
LCS 118
LCSD 121

Limits: 59-129

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B080321AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5268359	99	86	90	83
5268360	101	87	89	81
5268361	102	88	89	83
5268362	99	93	87	84
5268363	103	88	89	83
Blank	103	91	89	86
LCS	99	89	93	94
LCSD	98	91	92	93
MS	101	90	93	97

Limits: 71-114

70-109

70-123

70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



Group 1075463

For Lancaster Laboratories use only

244048

Acct. #: 10880

Sample #: 5268359-363

SCR#:

013888-14

Facility #: <u>30-7233 (AIL)</u> Site Address: <u>2259 First St., Livermore, CA</u> Chevron PM: <u>IAN ROBB</u> Lead Consultant: <u>CRA</u> Consultant/Office: <u>Emeryville, CA</u> Consultant Prj. Mgr.: <u>P. EVANS</u> Consultant Phone #: <u>510-420-3344</u> Fax #: <u>(510) 420-9170</u> Sampler: <u>I. HULL</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____							Analyses Requested										Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits							
							Preservation Codes																	
							Total Number of Containers BTEX + MME 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> TPH 8015 MOD GRO <input checked="" type="checkbox"/> TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup 8260 full scan <input checked="" type="checkbox"/> I. Oxygenates LEAD SCANS <input checked="" type="checkbox"/> Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> TPH MOD 8015M <input checked="" type="checkbox"/> LEAD 6010 <input checked="" type="checkbox"/>																	
Field Point Name	Matrix	Repeat Sample	Top Depth	Year	Month	Day	Time Collected	New Field Pt.	Grab	Composite														
SBM9-15	S		15	08	01	29	920		X		X	X	X	X	X	X	X	X	X	X	X	X	X	Comments / Remarks Please email EDF to dphare@croworld.com email results to ihull@croworld.com + pevans@croworld.com
SBM9-27.5	S		27.5	08	01	29	1013		X		X	X	X	X	X	X	X	X	X	X	X	X	X	
SBM9-34.5	S		34.5	08	01	29	1020		X		X	X	X	X	X	X	X	X	X	X	X	X	X	
SBM9-46.5	S		46.5	08	01	29	1107		X		X	X	X	X	X	X	X	X	X	X	X	X	X	
SBM9-54.5	S		54.5	08	01	29	1136		X		X	X	X	X	X	X	X	X	X	X	X	X	X	
Turnaround Time Requested (TAT) (please circle) (STD. TAT) 72 hour 48 hour 24 hour 4 day 5 day							Relinquished by: <u>[Signature]</u> Date: <u>1/24/08</u> Time: <u>1730</u> Relinquished by: <u>[Signature]</u> Date: <u>1/30/08</u> Time: <u>1510</u> Relinquished by: <u>[Signature]</u> Date: <u>3/05/08</u> Time: <u>1630</u>							Received by: <u>SECURE LOCATION</u> Date: _____ Time: _____ Received by: <u>[Signature]</u> Date: <u>3/05/08</u> Time: <u>1510</u> Received by: <u>[Signature]</u> Date: _____ Time: _____ Received by: <u>[Signature]</u> Date: <u>1/30/08</u> Time: <u>1000</u>										
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk							Relinquished by Commercial Carrier: UPS FedEx Other <u>[Signature]</u> Temperature Upon Receipt <u>05-4.0 C</u>							Received by: <u>[Signature]</u> Custom Seals Intact Yes <u>NO</u>										

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1075465. Samples arrived at the laboratory on Thursday, January 31, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

Client Description

SB-9-W-080129 Grab Water

Lancaster Labs Number

5268370

ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2601 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M Goshert".

Susan M. Goshert
Group Leader



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. WW5268370

Group No. 1075465

SB-9-W-080129 Grab Water

Facility# 307233 CETE

2259 First St-Livermore T0600196622 SB-9

Collected: 01/29/2008 13:30 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10

Reported: 03/05/2008 at 17:36

Discard: 04/05/2008

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LIV-9

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01728	TPH-GRO - Waters	n.a.	1,000.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02202	TPH-DRO (Water) w/Si Gel	n.a.	490.	290.	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
07055	Lead	7439-92-1	362.	34.5	ug/l	1
02500	TPH Fuels by GC (Waters)					
02501	Total TPH	n.a.	450.	400.	ug/l	1
02508	TPH Motor Oil C16-C36	n.a.	450.	400.	ug/l	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
	The Chlorobenzene surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	0.5	0.5	ug/l	1

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 3.

Lancaster Laboratories Sample No. **WW5268370**

 Group No. **1075465**

SB-9-W-080129 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB-9
 Collected: 01/29/2008 13:30 by IH

Account Number: 10880

Submitted: 01/31/2008 10:10
 Reported: 03/05/2008 at 17:36
 Discard: 04/05/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LIV-9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
---------	---------------	------------	--------------------	---------------------------------------	-------	-----------------

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	02/01/2008	15:36	Steven A Skiles	1
02202	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	02/04/2008	16:06	Diane V Do	1
07055	Lead	SW-846 6010B	1	02/02/2008	11:16	Choon Y Tian	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	02/05/2008	01:56	Matthew E Barton	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008	13:49	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/01/2008	15:36	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/06/2008	13:49	Ginelle L Feister	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	02/01/2008	23:55	Helen L Schaeffer	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	02/03/2008	10:45	Kelli M Knapp	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	02/03/2008	10:45	Kelli M Knapp	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 03/05/08 at 05:36 PM

Group Number: 1075465

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 080321848001 Lead	Sample number(s): 5268370 N.D.	6.9	ug/l	102		90-113		
Batch number: 08032A08A TPH-GRO - Waters	Sample number(s): 5268370 N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: 080330012A TPH-DRO (Water) w/Si Gel	Sample number(s): 5268370 N.D.	29.	ug/l	98	96	60-124	1	20
Batch number: 080330013A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5268370 N.D. N.D.	40. 40.	ug/l ug/l	84	85	60-120	1	20
Batch number: D080371AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene Xylene (Total)	Sample number(s): 5268370 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.5 0.5 0.5 0.5 2. 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	100 111 105 100 97 105 96 106 97 104 105		73-119 70-123 74-120 79-113 74-117 78-119 69-135 85-115 81-114 82-119 83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 080321848001 Lead	Sample number(s): 5268370 101	101	75-125	0	20	9.4	13.3	35* (1)	20
Batch number: 08032A08A TPH-GRO - Waters	Sample number(s): 5268370 109		63-154						
Batch number: D080371AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol	Sample number(s): 5268370 102 116 108 102 96	101 115 107 104 95	69-127 68-129 78-119 72-125 70-121	0 1 0 2 1	30 30 30 30 30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 03/05/08 at 05:36 PM

Group Number: 1075465

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Benzene	112	111	83-128	1	30				
1,2-Dichloroethane	94	94	70-143	1	30				
Toluene	111	112	83-127	1	30				
1,2-Dibromoethane	101	99	78-120	2	30				
Ethylbenzene	108	108	82-129	0	30				
Xylene (Total)	110	111	82-130	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-GRO - Waters
 Batch number: 08032A08A
 Trifluorotoluene-F

5268370	88
Blank	80
LCS	84
LCS D	87
MS	83

Limits: 63-135

 Analysis Name: TPH-DRO (Water) w/Si Gel
 Batch number: 080330012A
 Orthoterphenyl

5268370	99
Blank	99
LCS	115
LCS D	115

Limits: 59-131

 Analysis Name: TPH Fuels by GC (Waters)
 Batch number: 080330013A
 Chlorobenzene Orthoterphenyl

5268370	163*	93
Blank	103	96
LCS	97	100
LCS D	99	101

Limits: 28-152 52-131

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: D080371AA
 Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 03/05/08 at 05:36 PM

Group Number: 1075465

Surrogate Quality Control

5268370	90	95	95	102
Blank	88	94	94	97
LCS	88	93	94	101
MS	86	93	92	99
MSD	87	94	92	98
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



Group 1075465
Acct #: 10880

For Lancaster Laboratories use only
Sample #: 5268370

244049

SCR#:

013008-15

Facility #: 30-7233 (AIL)
Site Address: 2259 First St. Livermore
Chevron PM: I. ROBB Lead Consultant: CRA
Consultant/Office: Emeryville, CA
Consultant Prj. Mgr.: G EVANS
Consultant Phone #: 510-420-3344 Fax #: (510) 420-9170
Sampler: I. HULL
Service Order #: Non SAR:

Analyses Requested

Preservation Codes									
8260	8260	8260	8260	8260	8260	8260	8260	8260	8260
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Preservative Codes
H = HCl T = Thiosulfate
N = HNO₃ B = NaOH
S = H₂SO₄ O = Other

- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
 - Confirm highest hit by 8260
 - Confirm all hits by 8260
 - Run ___ oxy's on highest hit
 - Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates LEAD SCANS	Lead 7420	TPH-MO 8015M	LEAD GO10
SBM9	W			08 01 29	1330		X		10	X	X	X	X	X	X	X	X

Comments / Remarks
Send EDF to dohare@cra.world.com
email to: ihull@cra.world.com
cevan@cra.world.com

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
Type VI (Raw Data) Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by: <i>[Signature]</i>	Date: 1/20/08	Time: 1730	Received by: SECURE LOCATION	Date:	Time:
Relinquished by: <i>[Signature]</i>	Date: 1/30/08	Time: 1510	Received by: <i>[Signature]</i>	Date: 30 JAN 08	Time: 1510
Relinquished by: <i>[Signature]</i>	Date: 30 JAN 08	Time: 1630	Received by: <i>[Signature]</i>	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other: <i>[Signature]</i>	Temperature Upon Receipt: 05-40 C		Received by: <i>[Signature]</i>	Date: 1/30/08	Time: 1630
Custody Seals Intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1075607. Samples arrived at the laboratory on Friday, February 01, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
SB7-S-9.5-080130 Grab Soil	5269393
SB7-S-19.5-080130 Grab Soil	5269394
SB7-S-29.5-080130 Grab Soil	5269395
SB7-S-34.5-080130 Grab Soil	5269396
SB6-S-9.5-080130 Grab Soil	5269397
SB6-S-19.5-080130 Grab Soil	5269398
SB6-S-24-080130 Grab Soil	5269399

ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-659-2661 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Max E. Snively".

Max E. Snively
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5269393

Group No. 1075607

SB7-S-9.5-080130 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB7
 Collected:01/30/2008 09:00 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
 Reported: 02/12/2008 at 13:07
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

23371

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0		mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0		mg/kg	1
06955	Lead	7439-92-1	8.30	0.476		mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.	10.		mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.		mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005		mg/kg	0.96
02017	di-Isopropyl ether	108-20-3	N.D.	0.001		mg/kg	0.96
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001		mg/kg	0.96
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001		mg/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	0.019		mg/kg	0.96
05460	Benzene	71-43-2	N.D.	0.0005		mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001		mg/kg	0.96
05466	Toluene	108-88-3	N.D.	0.001		mg/kg	0.96
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001		mg/kg	0.96
05474	Ethylbenzene	100-41-4	N.D.	0.001		mg/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	0.001		mg/kg	0.96

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 00:08		Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5269393

Group No. 1075607

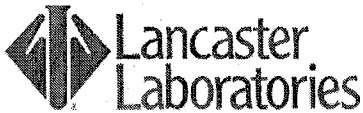
SB7-S-9.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB7
Collected: 01/30/2008 09:00 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23371							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 19:00	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/05/2008 09:11	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 15:57	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008 11:53	Nicholas R Rossi		0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/01/2008 19:16	Lois E Hiltz		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/01/2008 19:18	Lois E Hiltz		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/01/2008 19:21	Lois E Hiltz		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/04/2008 20:45	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/01/2008 19:20	Lois E Hiltz		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5269394

Group No. 1075607

SB7-S-19.5-080130 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB7
 Collected: 01/30/2008 09:10 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
 Reported: 02/12/2008 at 13:07
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

23372

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0		mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0		mg/kg	1
06955	Lead	7439-92-1	4.70	0.476		mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.	10.		mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.		mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005		mg/kg	0.98
02017	di-Isopropyl ether	108-20-3	N.D.	0.001		mg/kg	0.98
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001		mg/kg	0.98
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001		mg/kg	0.98
02020	t-Butyl alcohol	75-65-0	N.D.	0.020		mg/kg	0.98
05460	Benzene	71-43-2	N.D.	0.0005		mg/kg	0.98
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001		mg/kg	0.98
05466	Toluene	108-88-3	N.D.	0.001		mg/kg	0.98
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001		mg/kg	0.98
05474	Ethylbenzene	100-41-4	N.D.	0.001		mg/kg	0.98
06301	Xylene (Total)	1330-20-7	N.D.	0.001		mg/kg	0.98

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 00:47	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5269394

Group No. 1075607

SB7-S-19.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB7
Collected: 01/30/2008 09:10 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23372							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 19:19	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/05/2008 09:16	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 16:21	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008 12:17	Nicholas R Rossi		0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/01/2008 19:31	Lois E Hiltz		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/01/2008 19:33	Lois E Hiltz		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/01/2008 19:37	Lois E Hiltz		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/04/2008 20:45	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/01/2008 19:35	Lois E Hiltz		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5269395

Group No. 1075607

SB7-S-29.5-080130 Grab Soil
 Facility# 307233 CE7E
 2259 First St-Livermore T0600196622 SB7
 Collected: 01/30/2008 09:15 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
 Reported: 02/12/2008 at 13:07
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

23373

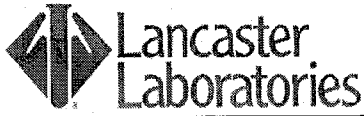
CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01725	TPH-GRO - Soils	n.a.	3.7	Detection Limit 1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	10.5	0.490	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 01:25	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5269395

Group No. 1075607

SB7-S-29.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB7
Collected: 01/30/2008 09:15 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23373

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 19:39	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/05/2008 07:53	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 16:45	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008 12:40	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/01/2008 19:49	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/01/2008 19:50	Lois E Hiltz	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/01/2008 19:53	Lois E Hiltz	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/04/2008 20:45	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/01/2008 19:52	Lois E Hiltz	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5269396

Group No. 1075607

SB7-S-34.5-080130 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB7
 Collected:01/30/2008 09:35 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
 Reported: 02/12/2008 at 13:07
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

23374

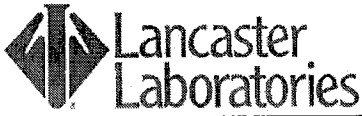
CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	11.6	0.485	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 02:04	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5269396

Group No. 1075607

SB7-S-34.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB7
Collected: 01/30/2008 09:35 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23374							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 19:59	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/05/2008 09:21	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 17:09	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008 13:03	Nicholas R Rossi	0.99	
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/01/2008 20:03	Lois E Hiltz		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/01/2008 20:04	Lois E Hiltz		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/01/2008 20:08	Lois E Hiltz		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/04/2008 20:45	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/01/2008 20:06	Lois E Hiltz		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5269397

Group No. 1075607

SB6-S-9.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB6
Collected:01/30/2008 12:05 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23361

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	6.39	0.485	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.98
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.98
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.98
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.98
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.98
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.98
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.98
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.98
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.98
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.98
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.98

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 02:42	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5269397

Group No. 1075607

SB6-S-9.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB6
Collected: 01/30/2008 12:05 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23361								
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 20:18	Diane V Do			1
06955	Lead	SW-846 6010B	1	02/05/2008 09:34	Joanne M Gates			1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 17:33	Matthew E Barton			1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008 13:26	Nicholas R Rossi			0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/01/2008 20:15	Lois E Hiltz			n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/01/2008 20:17	Lois E Hiltz			n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/01/2008 20:19	Lois E Hiltz			n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/04/2008 20:45	Annamaria Stipkovits			1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/01/2008 20:18	Lois E Hiltz			n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles			1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles			1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5269398

Group No. 1075607

SB6-S-19.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB6
Collected: 01/30/2008 12:15 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23362

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0		mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0		mg/kg	1
06955	Lead	7439-92-1	5.79	0.485		mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.	10.		mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.		mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005		mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001		mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001		mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001		mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020		mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005		mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001		mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001		mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001		mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001		mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001		mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008	03:21	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5269398

Group No. 1075607

SB6-S-19.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB6
Collected:01/30/2008 12:15 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23362							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 20:38	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/05/2008 09:39	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 17:56	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008 13:50	Nicholas R Rossi		0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/01/2008 20:26	Lois E Hiltz		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/01/2008 20:28	Lois E Hiltz		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/01/2008 20:31	Lois E Hiltz		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/04/2008 20:45	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/01/2008 20:29	Lois E Hiltz		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5269399

Group No. 1075607

SB6-S-24-080130 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB6
 Collected: 01/30/2008 12:20 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
 Reported: 02/12/2008 at 13:07
 Discard: 03/14/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

23363

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0		mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0		mg/kg	1
06955	Lead	7439-92-1	10.9	0.476		mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.	10.		mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.		mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005		mg/kg	0.96
02017	di-Isopropyl ether	108-20-3	N.D.	0.001		mg/kg	0.96
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001		mg/kg	0.96
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001		mg/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	0.019		mg/kg	0.96
05460	Benzene	71-43-2	N.D.	0.0005		mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001		mg/kg	0.96
05466	Toluene	108-88-3	N.D.	0.001		mg/kg	0.96
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001		mg/kg	0.96
05474	Ethylbenzene	100-41-4	N.D.	0.001		mg/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	0.001		mg/kg	0.96

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 03:59	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5269399

Group No. 1075607

SB6-S-24-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB6
Collected: 01/30/2008 12:20 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/12/2008 at 13:07
Discard: 03/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23363								
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/05/2008 20:58	Diane V Do			1
06955	Lead	SW-846 6010B	1	02/05/2008 09:44	Joanne M Gates			1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/05/2008 18:20	Matthew E Barton			1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008 14:14	Nicholas R Rossi			0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/01/2008 20:41	Lois E Hiltz			n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/01/2008 20:42	Lois E Hiltz			n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/01/2008 20:45	Lois E Hiltz			n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/04/2008 20:45	Annamaria Stipkovits			1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/01/2008 20:43	Lois E Hiltz			n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/04/2008 15:00	Doreen K Robles			1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/04/2008 15:00	Doreen K Robles			1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/12/08 at 01:07 PM

Group Number: 1075607

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 080350013A	Sample number(s): 5269393-5269399							
Total TPH	N.D.	10.	mg/kg	78	80	66-113	3	20
TPH Motor Oil C16-C36	N.D.	10.	mg/kg					
Batch number: 080350013B	Sample number(s): 5269393-5269399							
TPH-DRO by 8015B w/Silica Gel	N.D.	4.0	mg/kg	93	96	71-109	2	20
Batch number: 080355708002	Sample number(s): 5269393-5269399							
Lead	N.D.	0.490	mg/kg	105		90-110		
Batch number: 08035A33A	Sample number(s): 5269393-5269399							
TPH-GRO - Soils	N.D.	1.0	mg/kg	95		67-119		
Batch number: B080371AA	Sample number(s): 5269393-5269399							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	100	104	72-117	5	30
di-Isopropyl ether	N.D.	0.001	mg/kg	100	101	72-120	1	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	100	101	72-115	1	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	98	101	73-116	3	30
t-Butyl alcohol	N.D.	0.020	mg/kg	105	105	59-154	0	30
Benzene	N.D.	0.0005	mg/kg	99	101	84-115	2	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	105	108	76-126	3	30
Toluene	N.D.	0.001	mg/kg	101	103	81-116	2	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	102	106	77-114	4	30
Ethylbenzene	N.D.	0.001	mg/kg	99	99	82-115	0	30
Xylene (Total)	N.D.	0.001	mg/kg	100	101	82-117	0	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 080355708002	Sample number(s): 5269393-5269399 UNSPK: 5269395 BKG: 5269395								
Lead	107	91	75-125	8	20	10.5	9.95	6	20
Batch number: 08035A33A	Sample number(s): 5269393-5269399 UNSPK: P268441								
TPH-GRO - Soils	46	40	39-118	6	30				
Batch number: B080371AA	Sample number(s): 5269393-5269399 UNSPK: 5269393								
Methyl Tertiary Butyl Ether	106		59-119						
di-Isopropyl ether	103		58-113						
Ethyl t-butyl ether	100		60-112						
t-Amyl methyl ether	102		63-112						
t-Butyl alcohol	118		51-134						

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/12/08 at 01:07 PM

Group Number: 1075607

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Benzene	99		66-112						
1,2-Dichloroethane	113		62-130						
Toluene	99		50-121						
1,2-Dibromoethane	107		66-108						
Ethylbenzene	97		54-116						
Xylene (Total)	99		52-117						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH Fuels by GC (Soils)

Batch number: 080350013A

	Chlorobenzene	Orthoterphenyl
5269393	79	75
5269394	68	73
5269395	86	89
5269396	73	72
5269397	78	80
5269398	87	95
5269399	79	87
Blank	95	95
LCS	104	100
LCSD	107	101

Limits: 37-125 47-145

Analysis Name: TPH-DRO by 8015B w/Silica Gel

Batch number: 080350013B

	Orthoterphenyl
5269393	79
5269394	77
5269395	98
5269396	76
5269397	87
5269398	103
5269399	98
Blank	102
LCS	118
LCSD	121

Limits: 59-129

Analysis Name: TPH-GRO - Soils

Batch number: 08035A33A

Trifluorotoluene-F

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/12/08 at 01:07 PM

Group Number: 1075607

Surrogate Quality Control

5269393 93
5269394 100
5269395 97
5269396 97
5269397 93
5269398 102
5269399 93
Blank 108
LCS 106
MS 97
MSD 101

Limits: 61-122

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B080371AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5269393	100	103	97	82
5269394	100	100	98	81
5269395	98	97	96	99
5269396	100	102	99	82
5269397	101	98	100	80
5269398	102	107	97	84
5269399	103	103	99	83
Blank	100	102	99	82
LCS	96	97	102	92
LCSD	96	98	101	93
MS	100	105	103	95

Limits: 71-114

70-109

70-123

70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



013108-04

For Lancaster Laboratories use only
 Acct. # 10880 Sample # 5269393-30 399 SCR# 244050
 © 2004 856 21/08

Analyses Requested

Group 1075607

Preservation Codes

Preservative Codes

BTEX - MBE 8260	<input type="checkbox"/>	TPH 8015 MOD GRO	<input checked="" type="checkbox"/>	TPH 8015 MOD DRO	<input checked="" type="checkbox"/>	Silica Gel Cleanup	<input checked="" type="checkbox"/>	8260 full scan	<input type="checkbox"/>	Oxygenates	<input checked="" type="checkbox"/>	LEAD	<input checked="" type="checkbox"/>	LEAD 8015	<input checked="" type="checkbox"/>	LEAD 6010	<input checked="" type="checkbox"/>
----------------------------	--------------------------	------------------	-------------------------------------	------------------	-------------------------------------	--------------------	-------------------------------------	----------------	--------------------------	------------	-------------------------------------	------	-------------------------------------	-----------	-------------------------------------	-----------	-------------------------------------

H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run ___ oxy's on highest hit
- Run ___ oxy's on all hits

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: I. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: IH
 Service Order #: _____ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year	Month	Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX - MBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	LEAD	LEAD 8015	LEAD 6010	
SB7-9.5	S		9.5	08	01	30	0900		X		1	X	X	X	X	X	X	X	X	X	X
SB7-19.5			19.5				0910		X		1	X	X	X	X	X	X	X	X	X	X
SB7-29.5			29.5				0915		X		1	X	X	X	X	X	X	X	X	X	X
SB7-34.5			34.5				0925		X		1	X	X	X	X	X	X	X	X	X	X
SB7-34			34.0																		
SB6-9.5			9.5				1205		X		1	X	X	X	X	X	X	X	X	X	X
SB6-19.5			19.5				1215		X		1	X	X	X	X	X	X	X	X	X	X
SB6-24			24				1220		X		1	X	X	X	X	X	X	X	X	X	X

Comments / Remarks
 PLEASE E-MAIL RESULTS TO:
 EVANS > @craworld.com
 ihull
 EDF DATA TO:
 dchore@craworld.com

Turnaround Time Requested (TAT) (please circle)

STD. TAT	72 hour	48 hour
24 hour	4 day	5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coek Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>1/30/08</u>	Time: <u>1610</u>	Received by: <u>SECURE LOCATION</u>	Date: _____	Time: _____
Relinquished by: <u>[Signature]</u>	Date: <u>1/31/08</u>	Time: <u>11:50</u>	Received by: <u>[Signature]</u>	Date: <u>1/31/08</u>	Time: <u>11:50</u>
Relinquished by: <u>[Signature]</u>	Date: <u>1/2/08</u>	Time: <u>14:5</u>	Received by: <u>[Signature]</u>	Date: <u>1/2/08</u>	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other: <u>[Signature]</u>	Temperature Upon Receipt: <u>10.24 C</u>		Received by: <u>[Signature]</u>	Date: <u>2/1/08</u>	Time: <u>1000</u>
Temperature Upon Receipt: <u>10.24 C</u>			Customary Seals Intact? Yes <u>no</u>		

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1075634. Samples arrived at the laboratory on Friday, February 01, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

Client Description

SB7-W-080130 Grab Water
SB6-W-080130 Grab Water

Lancaster Labs Number

5269524
5269525

ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2661 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M. Goshert".

Susan M. Goshert
Group Leader



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. **WW5269524**

Group No. **1075634**

SB7-W-080130 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB7
Collected: 01/30/2008 09:50 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/13/2008 at 12:11
Discard: 03/15/2008

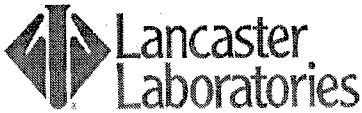
ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LVSB7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	3,000.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02202	TPH-DRO (Water) w/Si Gel	n.a.	6,400.	290.	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
02500	TPH Fuels by GC (Waters)					
02501	Total TPH	n.a.	N.D.	400.	ug/l	1
02508	TPH Motor Oil C16-C36	n.a.	N.D.	400.	ug/l	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	16.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1
	Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.					

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. WW5269524

Group No. 1075634

SB7-W-080130 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB7
Collected: 01/30/2008 09:50 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/13/2008 at 12:11
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

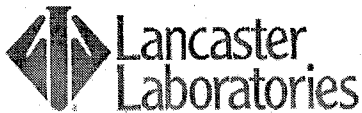
LVS B7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
---------	---------------	------------	--------------------	------------------------------------	-------	-----------------

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	02/05/2008	22:47	Steven A Skiles	1
02202	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	02/05/2008	21:57	Diane V Do	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	02/09/2008	04:59	Matthew E Barton	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008	17:04	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2008	22:47	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/06/2008	17:04	Ginelle L Feister	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	02/04/2008	12:45	Kelli M Knapp	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	02/05/2008	10:00	Jason A Heisey	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. WW5269525

Group No. 1075634

SB6-W-080130 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB6
Collected: 01/30/2008 12:45 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/13/2008 at 12:11
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LVSB6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	110.	50.		ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02202	TPH-DRO (Water) w/Si Gel	n.a.	300.	290.		ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
02500	TPH Fuels by GC (Waters)						
02501	Total TPH	n.a.	N.D.	400.		ug/l	1
02508	TPH Motor Oil C16-C36	n.a.	N.D.	400.		ug/l	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
06058	BTEX+5 Oxygenates+EDC+EDB						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5		ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5		ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5		ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5		ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.		ug/l	1
05401	Benzene	71-43-2	3.	0.5		ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5		ug/l	1
05407	Toluene	108-88-3	N.D.	0.5		ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5		ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5		ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5		ug/l	1

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. WW5269525

Group No. 1075634

SB6-W-080130 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB6
Collected: 01/30/2008 12:45 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00
Reported: 02/13/2008 at 12:11
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LVS6

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	02/05/2008 23:16	Steven A Skiles	1
02202	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	02/05/2008 22:17	Diane V Do	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	02/09/2008 05:23	Matthew E Barton	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/06/2008 17:27	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2008 23:16	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/06/2008 17:27	Ginelle L Feister	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	02/04/2008 12:45	Kelli M Knapp	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	02/05/2008 10:00	Jason A Heisey	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/13/08 at 12:11 PM

Group Number: 1075634

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 080350004A TPH-DRO (Water) w/Si Gel	N.D.	29.	ug/l	98	98	60-124	0	20
Batch number: 080350028A Total TPH TPH Motor Oil C16-C36	N.D.	40.	ug/l	86	85	60-120	1	20
Batch number: 08036A08A TPH-GRO - Waters	N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: D080372AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene Xylene (Total)	N.D.	0.5	ug/l	101		73-119		
	N.D.	0.5	ug/l	111		70-123		
	N.D.	0.5	ug/l	107		74-120		
	N.D.	0.5	ug/l	104		79-113		
	N.D.	2.	ug/l	96		74-117		
	N.D.	0.5	ug/l	106		78-119		
	N.D.	0.5	ug/l	96		69-135		
	N.D.	0.5	ug/l	108		85-115		
	N.D.	0.5	ug/l	100		81-114		
	N.D.	0.5	ug/l	103		82-119		
	N.D.	0.5	ug/l	105		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 08036A08A TPH-GRO - Waters									
				118	63-154	UNSPK: P269385			
Batch number: D080372AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene Xylene (Total)									
				110	107	69-127	3	30	
				123	120	68-129	2	30	
				117	111	78-119	5	30	
				110	109	72-125	1	30	
				100	100	70-121	0	30	
				119	114	83-128	4	30	
				107	104	70-143	3	30	
				120	114	83-127	6	30	
				108	102	78-120	6	30	
				111	106	82-129	5	30	
				111	106	82-130	4	30	

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/13/08 at 12:11 PM

Group Number: 1075634

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
---------------	------------	-------------	------------------	-----	------------	-------------	-------------	------------	----------------

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-DRO (Water) w/Si Gel
Batch number: 080350004A
Orthoterphenyl

5269524	95
5269525	92
Blank	91
LCS	108
LCSD	108

Limits: 59-131

Analysis Name: TPH Fuels by GC (Waters)
Batch number: 080350028A
Chlorobenzene Orthoterphenyl

5269524	625*	87
5269525	100	91
Blank	97	95
LCS	101	97
LCSD	100	96

Limits: 28-152 52-131

Analysis Name: TPH-GRO - Waters
Batch number: 08036A08A
Trifluorotoluene-F

5269524	94
5269525	82
Blank	79
LCS	83
LCSD	85
MS	82

Limits: 63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: D080372AA
Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

5269524	89	97	98	106
5269525	88	96	93	94
Blank	91	101	98	96

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/13/08 at 12:11 PM

Group Number: 1075634

Surrogate Quality Control

LCS	90	98	97	100
MS	92	100	98	101
MSD	87	95	93	95
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425SAMPLE GROUP

The sample group for this submittal is 1076134. Samples arrived at the laboratory on Wednesday, February 06, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

Client DescriptionCPT2-W-080204 Grab Water
SB8-W-080131 Grab WaterLancaster Labs Number5272376
5272377I COPY TO CRA
ELECTRONIC CRA
COPY TOAttn: Charlotte Evans
Attn: I Hull



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M. Goshert".

Susan M. Goshert
Group Leader



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. WW5272376

Group No. 1076134

CPT2-W-080204 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT2
Collected: 02/04/2008 13:30 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/18/2008 at 12:36
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	4,100.	50.	ug/l	1
02202	TPH-DRO (Water) w/Si Gel Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.	n.a.	10,000.	290.	ug/l	1
02500	TPH Fuels by GC (Waters)					
02501	Total TPH	n.a.	1,500.	400.	ug/l	1
02508	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly. The chlorobenzene surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.	n.a.	1,500.	400.	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	14.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	2.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	57.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	110.	0.5	ug/l	1

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Analysis Report

2425 New Holland Pike. PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. WW5272376

Group No. 1076134

CPT2-W-080204 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT2
Collected: 02/04/2008 13:30 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/18/2008 at 12:36
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2-

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	02/11/2008 10:41	Patrick N Evans	1
02202	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	02/11/2008 20:11	Diane V Do	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	02/11/2008 23:44	Matthew E Barton	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/09/2008 03:18	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/11/2008 10:41	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/09/2008 03:18	Michael A Ziegler	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	02/07/2008 15:30	Jason A Heisey	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	02/09/2008 08:00	Olivia I Santiago	1

Lancaster Laboratories Sample No. WW5272377

Group No. 1076134

SB8-W-080131 Grab Water
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB8
 Collected: 01/31/2008 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/18/2008 at 12:36
 Discard: 03/20/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

SB8-W

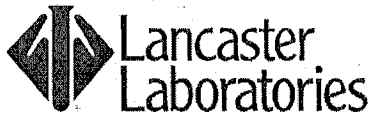
CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
01728	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	18,000.	1,300.	ug/l	25
02202	TPH-DRO (Water) w/Si Gel Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.	n.a.	52,000.	7,300.	ug/l	25
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1.	ug/l	2
02011	di-Isopropyl ether	108-20-3	N.D.	1.	ug/l	2
02013	Ethyl t-butyl ether	637-92-3	N.D.	1.	ug/l	2
02014	t-Amyl methyl ether	994-05-8	N.D.	1.	ug/l	2
02015	t-Butyl alcohol	75-65-0	N.D.	4.	ug/l	2
05401	Benzene	71-43-2	N.D.	1.	ug/l	2
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	2
05407	Toluene	108-88-3	N.D.	1.	ug/l	2
05412	1,2-Dibromoethane	106-93-4	N.D.	1.	ug/l	2
05415	Ethylbenzene	100-41-4	8.	1.	ug/l	2
06310	Xylene (Total)	1330-20-7	2.	1.	ug/l	2
The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.						

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. WW5272377

Group No. 1076134

SB8-W-080131 Grab Water

Facility# 307233 CETE

2259 First St-Livermore T0600196622 SB8

Collected: 01/31/2008 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10

Reported: 02/18/2008 at 12:36

Discard: 03/20/2008

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

SB8-W

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	02/07/2008 17:43	Steven A Skiles	25
02202	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	02/12/2008 11:51	Diane V Do	25
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/12/2008 07:23	Michael A Ziegler	2
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2008 17:43	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/12/2008 07:23	Michael A Ziegler	2
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	02/07/2008 15:30	Jason A Heisey	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/18/08 at 12:36 PM

Group Number: 1076134

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 080380002A TPH-DRO (Water) w/Si Gel	N.D.	29.	ug/l	91	93	60-124	1	20
Batch number: 08038A08A TPH-GRO - Waters	N.D.	50.	ug/l	81	77	75-135	5	30
Batch number: 080390019A Total TPH TPH Motor Oil C16-C36	N.D.	40.	ug/l	84	81	60-120	3	20
Batch number: 08041A54A TPH-GRO - Waters	N.D.	50.	ug/l	95	101	75-135	6	30
Batch number: D080394AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	106		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	105		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	105		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	101		74-117		
Benzene	N.D.	0.5	ug/l	104		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	98		69-135		
Toluene	N.D.	0.5	ug/l	107		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	100		81-114		
Ethylbenzene	N.D.	0.5	ug/l	104		82-119		
Xylene (Total)	N.D.	0.5	ug/l	108		83-113		
Batch number: D080423AB Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	95		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	107		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	106		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	100		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	98		74-117		
Benzene	N.D.	0.5	ug/l	102		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	90		69-135		
Toluene	N.D.	0.5	ug/l	102		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	89		81-114		
Ethylbenzene	N.D.	0.5	ug/l	102		82-119		
Xylene (Total)	N.D.	0.5	ug/l	102		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
----	-----	--------	-----	-----	-----	-----	---------

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/18/08 at 12:36 PM

Group Number: 1076134

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: 08038A08A TPH-GRO - Waters	Sample number(s): 5272377 UNSPK: P272355 118 63-154								
Batch number: 08041A54A TPH-GRO - Waters	Sample number(s): 5272376 UNSPK: P271291 119 63-154								
Batch number: D080394AA	Sample number(s): 5272376 UNSPK: P271390								
Methyl Tertiary Butyl Ether	106	102	69-127	4					30
di-Isopropyl ether	113	109	68-129	3					30
Ethyl t-butyl ether	108	105	78-119	2					30
t-Amyl methyl ether	103	103	72-125	0					30
t-Butyl alcohol	100	98	70-121	2					30
Benzene	114	111	83-128	2					30
1,2-Dichloroethane	101	99	70-143	2					30
Toluene	114	114	83-127	0					30
1,2-Dibromoethane	102	99	78-120	2					30
Ethylbenzene	109	107	82-129	2					30
Xylene (Total)	113	110	82-130	2					30
Batch number: D080423AB	Sample number(s): 5272377 UNSPK: P273179								
Methyl Tertiary Butyl Ether	99	97	69-127	2					30
di-Isopropyl ether	108	107	68-129	1					30
Ethyl t-butyl ether	106	105	78-119	1					30
t-Amyl methyl ether	100	99	72-125	1					30
t-Butyl alcohol	96	98	70-121	2					30
Benzene	104	105	83-128	1					30
1,2-Dichloroethane	97	96	70-143	1					30
Toluene	105	104	83-127	1					30
1,2-Dibromoethane	87	85	78-120	2					30
Ethylbenzene	103	104	82-129	1					30
Xylene (Total)	104	103	82-130	1					30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-DRO (Water) w/Si Gel
 Batch number: 080380002A
 Orthoterphenyl

5272376	95
5272377	80
Blank	100
LCS	109
LCSD	110

Limits: 59-131

 Analysis Name: TPH-GRO - Waters
 Batch number: 08038A08A
 Trifluorotoluene-F

5272377	92
Blank	80

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/18/08 at 12:36 PM

Group Number: 1076134

Surrogate Quality Control

 LCS 88
 LCSD 84
 MS 80

Limits: 63-135

Analysis Name: TPH Fuels by GC (Waters)

Batch number: 080390019A

	Chlorobenzene	Orthoterphenyl
5272376	192*	80
Blank	81	92
LCS	91	102
LCSD	88	96

Limits: 28-152 52-131

Analysis Name: TPH-GRO - Waters

Batch number: 08041A54A

	Trifluorotoluene-F
5272376	132
Blank	77
LCS	86
LCSD	87
MS	84

Limits: 63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB

Batch number: D080394AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5272376	91	100	98	108
Blank	88	93	93	90
LCS	93	102	97	99
MS	91	97	94	97
MSD	91	97	93	95

Limits: 80-116 77-113 80-113 78-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB

Batch number: D080423AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5272377	87	84	91	103
Blank	90	90	92	98
LCS	88	90	91	100
MS	87	86	89	98
MSD	87	85	86	96

Limits: 80-116 77-113 80-113 78-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only 242890
 Acct. # 10880 Sample #: 5272376-77 SCR#: 1076134

020408-19

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: J. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes	
Total Number of Containers BTEX + MPHS 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> TPH 8015 MOD GRO TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup 8260 full scan <input checked="" type="checkbox"/> Oxygenates LEAD SCNS. Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MPHS 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates LEAD SCNS.	Lead 7420	7421
CPT2	W			08 02 04	1330		X		10	X	X	X		X		

Comments / Remarks
 PLEASE EMAIL RESULTS TO:
 ihull > craworld.com
 cevans
 EDF DATA TO:
 dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)
 (STD. TAT) 24 hour 72 hour 48 hour
 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>I. Hull</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>	Received by: <u>Andres Araya</u>	Date: <u>2/4/08</u>	Time: <u>1530</u>
Relinquished by: <u>Andres Araya</u>	Date: <u>2-4-08</u>	Time: <u>1600</u>	Received by: <u>D.H.</u>	Date: <u>2-4-08</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: _____	UPS FedEx Other: <u>D.H.</u>	Received by: _____	Date: <u>2/4/08</u>	Time: <u>1600</u>	
Temperature Upon Receipt: <u>22-22 C</u>	Custody Seals Intact? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10880 Sample #: S272376-77 SCR#: 241886
1076134

020408-21

Facility #: 30-7233 (ALL)
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: I. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: IH
 Service Order #: _____ Non SAR: _____

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	Analyses Requested	Preservation Codes
<u>SB8</u>	<u>W</u>			<u>08 01 31</u>			<input checked="" type="checkbox"/>		<u>7</u>	<input checked="" type="checkbox"/> BTX + PHH 8260 <input checked="" type="checkbox"/> 8021 <input checked="" type="checkbox"/> TPH 8015 MOD GRO <input checked="" type="checkbox"/> TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 full scan <input checked="" type="checkbox"/> Oxygenates LEAD SCANS. Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Comments / Remarks
 PLEASE E-MAIL RESULTS TO:
 cevens >@craworld.com
 ihull
 EDF DATA TO:
 dchare@craworld.com

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>2/1/08</u>	Time: <u>1535</u>	Received by: <u>[Signature]</u>	Date: <u>2/1/08</u>	Time: <u>1535</u>
Relinquished by: <u>[Signature]</u>	Date: <u>2-7-08</u>	Time: <u>1400</u>	Received by: <u>[Signature]</u>	Date: <u>2-9-08</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other <u>air</u>	Temperature Upon Receipt <u>10-4-2</u> C°		Received by: <u>[Signature]</u>	Date: <u>2/6/08</u>	Time: <u>1400</u>
Custody Seals Intact?			Yes	No	

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-659-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1076137. Samples arrived at the laboratory on Wednesday, February 06, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
SSB10-S-1.5-080131 Grab Soil	5272407
SSB1-S-1.5-080201 Grab Soil	5272408
SSB1-S-2.5-080201 Grab Soil	5272409
SSB1-S-4.5-080201 Grab Soil	5272410
SSB2-S-1.5-080201 Grab Soil	5272411
SSB2-S-2.5-080201 Grab Soil	5272412
SSB8-S-1.5-080201 Grab Soil	5272413
SSB2-S-4.5-080201 Grab Soil	5272414
SSB8-S-4.5-080201 Grab Soil	5272415
SSB2-S-8-080201 Grab Soil	5272416
SSB3-S-1.5-080130 Grab Soil	5272417
SSB4-S-1.5-080201 Grab Soil	5272418
SSB4-S-2.5-080201 Grab Soil	5272419
SSB8-S-9.5-080201 Grab Soil	5272420
SSB4-S-4.5-080201 Grab Soil	5272421
SSB4-S-9-080201 Grab Soil	5272422

ELECTRONIC COPY TO
ELECTRONIC COPY TO

CRA

CRA

Attn: Charlotte Evans

Attn: I Hull



Analysis Report

2425 New Holland Pk, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M Goshert".

Susan M. Goshert
Group Leader



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272407

Group No. 1076137

SSB10-S-1.5-080131 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB10
Collected: 01/31/2008 13:00 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:31
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method		
06955	Lead	7439-92-1	38.9	Detection Limit 0.471	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 07:21	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272408

Group No. 1076137

SSB1-S-1.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB1
Collected: 02/01/2008 11:10 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:31
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

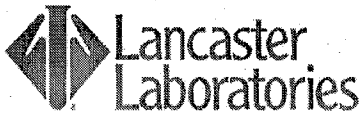
CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
06955	Lead	7439-92-1	9.52	Detection Limit 0.471	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 07:25	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272409

Group No. 1076137

SSB1-S-2.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB1
Collected: 02/01/2008 11:22 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	52.9		0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 07:28	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272410

Group No. 1076137

SSB1-S-4.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB1
Collected: 02/01/2008 12:05 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
06955	Lead	7439-92-1	7.34	Detection Limit 0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 07:32	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272411

Group No. 1076137

SSB2-S-1.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB2
Collected: 02/01/2008 12:25 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
06955	Lead	7439-92-1	17.4	Detection Limit 0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 07:35	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272412

Group No. 1076137

SSB2-S-2.5-080201 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SSB2
 Collected:02/01/2008 12:40 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/13/2008 at 10:32
 Discard: 03/15/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

SSB2B

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Method Detection Limit		
01725	TPH-GRO - Soils	n.a.	1.2	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	11.	4.0	mg/kg	1
06955	Lead	7439-92-1	40.6	0.476	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.03
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.03
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.03
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.03
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.03
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.03
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.03
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.03
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.03
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.03
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.03

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 21:02	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 14:36	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008 07:39	Joanne M Gates	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 18:10	Nicholas R Rossi	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:13	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 19:11	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 19:10	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:12	Eric L Vera	n.a.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272412

Group No. 1076137

SSB2-S-2.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB2
Collected: 02/01/2008 12:40 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SSB2B

07004 Extraction - DRO (Soils) SW-846 3550B

1 02/07/2008 14:35 Doreen K Robles

1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272413

Group No. 1076137

SSB8-S-1.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB8
Collected: 02/01/2008 13:05 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	168.	0.471	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/08/2008 07:43	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-658-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272414

Group No. 1076137

SSB2-S-4.5-080201 Grab Soil
 Facility# 307233 CE TE
 2259 First St-Livermore T0600196622 SSB2
 Collected: 02/01/2008 13:30 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/13/2008 at 10:32
 Discard: 03/15/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

SSB2C

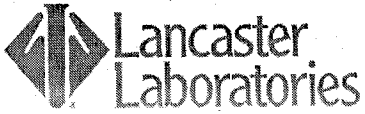
CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	4.4		4.0	mg/kg	1
06955	Lead	7439-92-1	15.0		0.476	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.0005	mg/kg	1.04
02017	di-Isopropyl ether	108-20-3	N.D.		0.001	mg/kg	1.04
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.001	mg/kg	1.04
02019	t-Amyl methyl ether	994-05-8	N.D.		0.001	mg/kg	1.04
02020	t-Butyl alcohol	75-65-0	N.D.		0.021	mg/kg	1.04
05460	Benzene	71-43-2	N.D.		0.0005	mg/kg	1.04
05461	1,2-Dichloroethane	107-06-2	N.D.		0.001	mg/kg	1.04
05466	Toluene	108-88-3	N.D.		0.001	mg/kg	1.04
05471	1,2-Dibromoethane	106-93-4	N.D.		0.001	mg/kg	1.04
05474	Ethylbenzene	100-41-4	N.D.		0.001	mg/kg	1.04
06301	Xylene (Total)	1330-20-7	N.D.		0.001	mg/kg	1.04

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/08/2008	00:59	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008	12:58	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008	07:46	Joanne M Gates	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008	18:34	Nicholas R Rossi	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008	19:16	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008	19:18	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008	19:15	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008	19:40	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008	19:17	Eric L Vera	n.a.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272414

Group No. 1076137

SSB2-S-4.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB2
Collected: 02/01/2008 13:30 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SSB2C

07004 Extraction - DRO (Soils) SW-846 3550B

1 02/07/2008 14:35 Doreen K Robles

1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272415

Group No. 1076137

SSB8-S-4.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB8
Collected: 02/01/2008 13:32 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
06955	Lead	7439-92-1	160.	Detection Limit 0.485	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 07:50	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272416

Group No. 1076137

SSB2-S-8-080201 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SSB2
 Collected: 02/01/2008 13:45 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/13/2008 at 10:32
 Discard: 03/15/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

SSB2D

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	7.45	0.485	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.97
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.97
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.97
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.97
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.97
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.97
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.97
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.97
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.97
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.97

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/08/2008 01:38	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 14:16	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008 08:00	Joanne M Gates	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 18:57	Nicholas R Rossi	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:23	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 19:20	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 19:24	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:25	Eric L Vera	n.a.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272416

Group No. 1076137

SSB2-S-8-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB2
Collected: 02/01/2008 13:45 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SSB2D

07004 Extraction - DRO (Soils) SW-846 3550B

1 02/07/2008 14:35 Doreen K Robles

1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272417

Group No. 1076137

SSB3-S-1.5-080130 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB3
Collected: 01/30/2008 14:40 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
06955	Lead	7439-92-1	42.8	Detection Limit 0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 08:04	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272418

Group No. 1076137

SSB4-S-1.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB4
Collected: 02/01/2008 14:10 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	10.2		0.471	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 08:08	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272419

Group No. 1076137

SSB4-S-2.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB4
Collected:02/01/2008 14:18 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
06955	Lead	7439-92-1	517.	Detection Limit 0.490	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 08:11	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272420

Group No. 1076137

SSB8-S-9.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB8
Collected:02/01/2008 14:20 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	33.8		0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/08/2008 08:15	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272421

Group No. 1076137

SSB4-S-4.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB4
Collected: 02/01/2008 14:27 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	616.		0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/08/2008 08:18	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 19:40	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272422

Group No. 1076137

SSB4-S-9-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB4
Collected:02/01/2008 14:55 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/13/2008 at 10:32
Discard: 03/15/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	90.8		0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/08/2008 10:40	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/13/08 at 10:32 AM

Group Number: 1076137

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 080380006A TPH-DRO by 8015B w/Silica Gel	N.D.	4.0	mg/kg	96	94	71-109	2	20
Batch number: 080385708001 Lead	N.D.	0.490	mg/kg	93		90-110		
Batch number: 080385708002 Lead	N.D.	0.490	mg/kg	96		90-110		
Batch number: 08038A02A TPH-GRO - Soils	N.D.	1.0	mg/kg	93		67-119		
Batch number: B080421AB Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	104	105	72-117	1	30
di-Isopropyl ether	N.D.	0.001	mg/kg	97	101	72-120	4	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	100	102	67-124	2	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	101	105	73-116	4	30
t-Butyl alcohol	N.D.	0.020	mg/kg	100	100	66-146	0	30
Benzene	N.D.	0.0005	mg/kg	99	102	84-115	3	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	106	108	76-135	2	30
Toluene	N.D.	0.001	mg/kg	98	102	81-116	4	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	104	104	77-114	0	30
Ethylbenzene	N.D.	0.001	mg/kg	95	97	82-115	1	30
Xylene (Total)	N.D.	0.001	mg/kg	98	98	82-117	0	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 080385708001 Lead	154*	176*	75-125	6	20	21.9	28.0	24*	20
Batch number: 080385708002 Lead	94	100	75-125	4	20	8.93	9.69	8	20
Batch number: 08038A02A TPH-GRO - Soils	74	80	39-118	8	30				
Batch number: B080421AB Methyl Tertiary Butyl Ether	100		59-119						
di-Isopropyl ether	100		58-113						
Ethyl t-butyl ether	97		60-112						

* - Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/13/08 at 10:32 AM

Group Number: 1076137

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
t-Amyl methyl ether	98		63-112						
t-Butyl alcohol	127		50-143						
Benzene	94		66-112						
1,2-Dichloroethane	116		62-130						
Toluene	94		58-116						
1,2-Dibromoethane	97		66-108						
Ethylbenzene	90		54-116						
Xylene (Total)	94		52-117						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-DRO by 8015B w/Silica Gel
 Batch number: 080380006A
 Orthoterphenyl

5272412	98
5272414	100
5272416	104
Blank	102
LCS	115
LCSD	111

Limits: 59-129

 Analysis Name: TPH-GRO - Soils
 Batch number: 08038A02A
 Trifluorotoluene-F

5272412	88
5272414	84
5272416	94
Blank	91
LCS	101
MS	83
MSD	87

Limits: 61-122

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B080421AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5272412	102	100	98	83
5272414	102	100	96	82
5272416	103	99	98	81
Blank	101	105	94	84
LCS	97	99	100	92

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17603-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 3 of 3

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/13/08 at 10:32 AM

Group Number: 1076137

Surrogate Quality Control

LCSD	98	103	99	91
MS	102	93	102	96
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



Acct. #: 10880 For Lancaster Laboratories use only
 Sample #: 5272407-22 SCR#: 241885
1076137

026408-16

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST, LIVERMORE, CA
 Chevron PM: I. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: 1H
 Service Order #: _____ Non SAR:

Analyses Requested

Preservation Codes	
BTEX + TPH 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO <input type="checkbox"/>
TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan <input type="checkbox"/>
<input checked="" type="checkbox"/> Organometals LEAD SCAVS	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>
LEAD 6010	

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + TPH 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO <input type="checkbox"/>	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan <input type="checkbox"/>	<input checked="" type="checkbox"/> Organometals LEAD SCAVS	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	LEAD 6010
SSB3-1.5	S		1.5	08 01 30	1440		X		1							X
SSB1-1.5			1.5	08 01 31	1005		X		1							X
SSB1-2			3		1008		X		1							X
SSB10-1.5	S		1.5	08 01 31	1300		X		1							X
SSB1-1.5			1.5	08 02 01	1110		X		1							X
SSB1-2.5			2.5	08 02 01	1122		X		1							X
SSB1-4.5			4.5	08 02 01	1205		X		1							X
SSB2-1.5			1.5	08 02 01	1225		X		1							X
SSB2-2.5			2.5	08 02 01	1240		X		1	X	X	X	X			X
SSB8-1.5			1.5	08 02 01	1305		X		1							X
SSB2-4.5			4.5	08 02 01	1330		X		1	X	X	X	X			X
SSB8-4.5			4.5	08 02 01	1332		X		1							X
SSB2-8			8	08 02 01	1345		X		1	X	X	X	X			X
SSB3-1.5	S		1.5	08 01 30	1440		X		1							X

Comments / Remarks
 RESULTS TO:
 CEVANS >@craworld.com
 ihull
 EDF DATA TO:
 dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)
 (STD. TAT) 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	2/6/08	0630	SECURE LOCATION		
<i>[Signature]</i>	2/4/08	1535	<i>[Signature]</i>	2/4/08	1535
<i>[Signature]</i>	2/4/08	1600	<i>[Signature]</i>	2/4/08	
Relinquished by Commercial Carrier			Received by:		
UPS FedEx Other <i>[Signature]</i>			<i>[Signature]</i>	2/6/08	1600
Temperature Upon Receipt <u>11.24°C</u>			Custom Seals Intact	Yes	<input checked="" type="checkbox"/>

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10880 Sample #: 5272407-22 SCR#: 241889
1076137

626403-17

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: I. ROOP Lead Consultant: CRA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 910-420-3344 Fax #: 910-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR:

Analyses Requested

Preservation Codes	
<input type="checkbox"/> BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> TPH 8015 MOD GRO <input type="checkbox"/> TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Organates <input type="checkbox"/> Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> LEAD 600	

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Organates	Lead 7420	7421	LEAD 600	
SSB4-1.5	S		1.5	08 02 01	1410		X		1	X	X	X								
SSB4-1.5	S		1.5	08 02 01	1410		X		1											
SSB4-2.5	S		2.5	08 02 01	1418		X		1											
SSB4-9.5	S		9.5	08 02 01	1420		X		1											
SSB4-4.5	S		4.5	08 02 01	1427		X		1											
SSB4-9	S		9	08 02 01	1455		X		1											

Comments / Remarks
 PLEASE EMAIL RESULTS TO:
 C.EVANS @chevron.com
 I.HULL @chevron.com
 EDF DATA TO:
 dchore@chevron.com

Turnaround Time Requested (TAT) (please circle)

STD. TAT 24 hour	72 hour 4 day	48 hour 5 day
---------------------	------------------	------------------

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coalt Deliverable not needed
 WIP (RWQGB)
 Disk

Relinquished by: <u>I. Hull</u>	Date: <u>2/4/08</u>	Time: <u>0630</u>	Received by: <u>SECURE LOCATION</u>	Date:	Time:
Relinquished by: <u>I. Hull</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>	Received by: <u>Andrews</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>
Relinquished by: <u>Andrews</u>	Date: <u>2/7/08</u>	Time: <u>1600</u>	Received by: <u>PAH</u>	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other <u>PAH</u>	Temperature Upon Receipt: <u>10.4.2 C</u>		Received by: <u>PAH</u>	Date: <u>2/6/08</u>	Time: <u>1600</u>
Custody Seals Intact? Yes <u>PAH</u>					

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1076104. Samples arrived at the laboratory on Wednesday, February 06, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
VP3-S-4.5-080201 Grab Soil	5272245
VP1-S-4.5-080201 Grab Soil	5272246
VP1-S-8-080201 Grab Soil	5272247
VP3-S-8-080201 Grab Soil	5272248
VP2-S-4.5-080201 Grab Soil	5272249
VP2-S-9.5-080201 Grab Soil	5272250
SB8-S-19.5-080131 Grab Soil	5272251
SB8-S-29.5-080131 Grab Soil	5272252
SB8-S-34.5-080131 Grab Soil	5272253
SB8-S-39.5-080131 Grab Soil	5272254

ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: I Hull

Attn: Charlotte Evans



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Christine Dulaney".

Christine Dulaney
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272245

Group No. 1076104

VP3-S-4.5-080201 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 VP3
 Collected: 02/01/2008 09:35 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LIV34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	1.0	1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	6.12	0.480	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.95
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.95
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.95
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.95
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.95
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.95
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.95
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.95
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.95
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.95
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.95

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 16:55	Linda C Pape	25



Analysis Report

2425 New Holland Pike. PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272245

Group No. 1076104

VP3-S-4.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 VP3
Collected: 02/01/2008 09:35 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LIV34							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	2	02/14/2008 10:31	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/08/2008 10:49	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/19/2008 20:26	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/12/2008 02:40	Kathrine K Muramatsu		0.95
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 18:15	Lois E Hiltz		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 18:17	Lois E Hiltz		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 18:20	Lois E Hiltz		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 18:19	Lois E Hiltz		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	3	02/13/2008 13:00	Olivia Arosemena		1
07004	Extraction - DRO (Soils)	SW-846 3550B	4	02/13/2008 13:00	Olivia Arosemena		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272246

Group No. 1076104

VP1-S-4.5-080201 Grab Soil
 Facility# 307233 CE TE
 2259 First St-Livermore T0600196622 VP1
 Collected: 02/01/2008 09:40 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LIV14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	6.10	0.476	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.98
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.98
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.98
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.98
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.98
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.98
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.98
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.98
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.98
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.98
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.98

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 17:31	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272246

Group No. 1076104

VP1-S-4.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 VP1
Collected: 02/01/2008 09:40 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LIV14							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 10:40	Diane V Do		1
06955	Lead	SW-846 6010B	1	02/08/2008 10:54	Joanne M Gates		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008 19:48	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/12/2008 03:03	Kathrine K Muramatsu		0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 18:28	Lois E Hiltz		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 18:30	Lois E Hiltz		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 18:34	Lois E Hiltz		n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits		1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 18:32	Lois E Hiltz		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008 14:35	Doreen K Robles		1

Lancaster Laboratories Sample No. SW5272247

Group No. 1076104

 VP1-S-8-080201 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 VP1
 Collected: 02/01/2008 10:00 by IH

Account Number: 10880

 Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LIV18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	9.03	0.485	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.94
02017	di-Isopropyl ether	108-20-3	N.D.	0.0009	mg/kg	0.94
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.0009	mg/kg	0.94
02019	t-Amyl methyl ether	994-05-8	N.D.	0.0009	mg/kg	0.94
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.94
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.94
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0009	mg/kg	0.94
05466	Toluene	108-88-3	N.D.	0.0009	mg/kg	0.94
05471	1,2-Dibromoethane	106-93-4	N.D.	0.0009	mg/kg	0.94
05474	Ethylbenzene	100-41-4	N.D.	0.0009	mg/kg	0.94
06301	Xylene (Total)	1330-20-7	N.D.	0.0009	mg/kg	0.94

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 18:08	Linda C Pape	25



Analysis Report

2425 New Holland Pike. PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. SW5272247

Group No. 1076104

VP1-S-8-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 VP1
Collected: 02/01/2008 10:00 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LIV18

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 11:00	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008 10:58	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008 20:12	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 15:05	Nicholas R Rossi	0.94
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 18:44	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 18:45	Lois E Hiltz	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 18:50	Lois E Hiltz	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 18:47	Lois E Hiltz	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008 14:35	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272248

Group No. 1076104

VP3-S-8-080201 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 VP3
 Collected: 02/01/2008 11:15 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LIV38

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	4.22	0.490	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.96
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.96
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.96
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.96
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.96
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.96
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.96
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.96

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 19:57	Linda C Pape	25

Lancaster Laboratories Sample No. SW5272248

Group No. 1076104

VP3-S-8-080201 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 VP3
 Collected: 02/01/2008 11:15 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LIV38

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 11:19	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008 11:03	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008 20:36	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 15:28	Nicholas R Rossi	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:32	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 19:33	Lois E Hiltz	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 19:37	Lois E Hiltz	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:35	Lois E Hiltz	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008 14:35	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272249

Group No. 1076104

VP2-S-4.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 VP2
Collected: 02/01/2008 11:24 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LIV24

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	25.	4.0	mg/kg	1
06955	Lead	7439-92-1	75.4	0.480	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	54.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	54.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.92
02017	di-Isopropyl ether	108-20-3	N.D.	0.0009	mg/kg	0.92
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.0009	mg/kg	0.92
02019	t-Amyl methyl ether	994-05-8	N.D.	0.0009	mg/kg	0.92
02020	t-Butyl alcohol	75-65-0	N.D.	0.018	mg/kg	0.92
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.92
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0009	mg/kg	0.92
05466	Toluene	108-88-3	N.D.	0.0009	mg/kg	0.92
05471	1,2-Dibromoethane	106-93-4	N.D.	0.0009	mg/kg	0.92
05474	Ethylbenzene	100-41-4	N.D.	0.0009	mg/kg	0.92
06301	Xylene (Total)	1330-20-7	N.D.	0.0009	mg/kg	0.92

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 20:34	Linda C Pape	25

Lancaster Laboratories Sample No. SW5272249

Group No. 1076104

VP2-S-4.5-080201 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 VP2
 Collected: 02/01/2008 11:24 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LIV24	Sample ID	Method	SW-#	Count	Date/Time	Analyst	Result
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 15:35	Diane V Do	1	
06955	Lead	SW-846 6010B	1	02/08/2008 11:08	Joanne M Gates	1	
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008 22:58	Matthew E Barton	1	
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 15:51	Nicholas R Rossi	0.92	
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:43	Lois E Hiltz	n.a.	
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 19:45	Lois E Hiltz	n.a.	
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 19:48	Lois E Hiltz	n.a.	
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits	1	
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:46	Lois E Hiltz	n.a.	
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles	1	
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008 14:35	Doreen K Robles	1	



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272250

Group No. 1076104

VP2-S-9.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 VP2
Collected: 02/01/2008 11:42 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LIV29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	15.6	0.480	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.95
02017	di-Isopropyl ether	108-20-3	N.D.	0.0009	mg/kg	0.95
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.0009	mg/kg	0.95
02019	t-Amyl methyl ether	994-05-8	N.D.	0.0009	mg/kg	0.95
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.95
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.95
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0009	mg/kg	0.95
05466	Toluene	108-88-3	N.D.	0.0009	mg/kg	0.95
05471	1,2-Dibromoethane	106-93-4	N.D.	0.0009	mg/kg	0.95
05474	Ethylbenzene	100-41-4	N.D.	0.0009	mg/kg	0.95
06301	Xylene (Total)	1330-20-7	N.D.	0.0009	mg/kg	0.95

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 21:10	Linda C Page	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272250

Group No. 1076104

VP2-S-9.5-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Iivermore T0600196622 VP2
Collected: 02/01/2008 11:42 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Sample ID	Description	SW-846 ID	Quantity	Date/Time	Analyst	Result
LIV29						
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	2	02/08/2008 13:57	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008 11:12	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008 22:34	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 16:14	Nicholas R Rossi	0.95
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:53	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 19:55	Lois E Hiltz	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 20:00	Lois E Hiltz	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:57	Lois E Hiltz	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008 14:35	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272251

Group No. 1076104

SB8-S-19.5-080131 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB8
 Collected: 01/31/2008 09:15 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LI819

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	10.3	0.480	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane), through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.02
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.02
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.02
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.02

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 21:47	Linda C Page	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272251

Group No. 1076104

SB8-S-19.5-080131 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB8
Collected: 01/31/2008 09:15 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LI819

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 11:39	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008 11:26	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008 20:59	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 17:00	Nicholas R Rossi	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 20:08	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 20:11	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 20:10	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 20:09	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008 14:35	Doreen K Robles	1

Lancaster Laboratories Sample No. SW5272252

Group No. 1076104

 SB8-S-29.5-080131 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB8
 Collected: 01/31/2008 10:35 by IH

Account Number: 10880

 Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LI829

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	1.2	1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	8.29	0.480	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.96
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.96
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.96
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.96
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.96
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.96
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.96
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.96

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 22:23	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272252

Group No. 1076104

SB8-S-29.5-080131 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB8
Collected: 01/31/2008 10:35 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LI829								
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 11:58	Diane V Do			1
06955	Lead	SW-846 6010B	1	02/08/2008 11:31	Joanne M Gates			1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008 21:23	Matthew E Barton			1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 17:23	Nicholas R Rossi			0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 20:07	Lois E Hiltz			n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 20:08	Lois E Hiltz			n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 20:12	Lois E Hiltz			n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits			1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 20:10	Lois E Hiltz			n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles			1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008 14:35	Doreen K Robles			1

Lancaster Laboratories Sample No. SW5272253

Group No. 1076104

 SB8-S-34.5-080131 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB8
 Collected: 01/31/2008 10:40 by IH

Account Number: 10880

 Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LI834

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	530.	40.		mg/kg	1000
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	67.	4.0		mg/kg	1
06955	Lead	7439-92-1	7.86	0.476		mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.	10.		mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The chlorobenzene surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.	n.a.	N.D.	10.		mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.027		mg/kg	53.76
02017	di-Isopropyl ether	108-20-3	N.D.	0.054		mg/kg	53.76
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.054		mg/kg	53.76
02019	t-Amyl methyl ether	994-05-8	N.D.	0.054		mg/kg	53.76
02020	t-Butyl alcohol	75-65-0	N.D.	1.1		mg/kg	53.76
05460	Benzene	71-43-2	N.D.	0.027		mg/kg	53.76
05461	1,2-Dichloroethane	107-06-2	N.D.	0.054		mg/kg	53.76
05466	Toluene	108-88-3	N.D.	0.054		mg/kg	53.76
05471	1,2-Dibromoethane	106-93-4	N.D.	0.054		mg/kg	53.76
05474	Ethylbenzene	100-41-4	0.10	0.054		mg/kg	53.76
06301	Xylene (Total) The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.	1330-20-7	N.D.	0.054		mg/kg	53.76

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories Sample No. SW5272253

Group No. 1076104

SB8-S-34.5-080131 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB8
 Collected: 01/31/2008 10:40 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LI834

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/08/2008	09:14	Linda C Pape	1000
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008	12:18	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008	11:35	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008	21:47	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/07/2008	21:59	Roy R Mellott Jr	53.76
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008	20:14	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008	20:13	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008	20:15	Eric L Vera	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008	20:10	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008	20:17	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008	14:35	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008	14:35	Doreen K Robles	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272254

Group No. 1076104

SB8-S-39.5-080131 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 SB8
 Collected: 01/31/2008 10:45 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/20/2008 at 14:34
 Discard: 03/22/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

LI839

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	1.0	mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
06955	Lead	7439-92-1	8.93	0.490	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	10.	mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.	mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.039	0.0005	mg/kg	0.97
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.97
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.97
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.97
02020	t-Butyl alcohol	75-65-0	0.034	0.019	mg/kg	0.97
05460	Benzene	71-43-2	0.007	0.0005	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.97
05466	Toluene	108-88-3	0.002	0.001	mg/kg	0.97
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.97
05474	Ethylbenzene	100-41-4	0.015	0.001	mg/kg	0.97
06301	Xylene (Total)	1330-20-7	0.007	0.001	mg/kg	0.97

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/08/2008 02:57	Linda C Page	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272254

Group No. 1076104

SB8-S-39.5-080131 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SB8
Collected: 01/31/2008 10:45 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/20/2008 at 14:34
Discard: 03/22/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LI839						
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 12:38	Diane V Do	1
06955	Lead	SW-846 6010B	1	02/08/2008 09:45	Joanne M Gates	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/14/2008 22:10	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 17:47	Nicholas R Rossi	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 20:18	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 20:20	Lois E Hiltz	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 20:23	Lois E Hiltz	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/07/2008 20:10	Annamaria Stipkovits	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 20:21	Lois E Hiltz	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/07/2008 14:35	Doreen K Robles	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/20/08 at 02:34 PM

Group Number: 1076104

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08037A31B TPH-GRO - Soils	N.D.	1.0	mg/kg	82		67-119		
Batch number: 080380006A TPH-DRO by 8015B w/Silica Gel	N.D.	4.0	mg/kg	96	94	71-109	2	20
Batch number: 080380007A Total TPH TPH Motor Oil C16-C36	N.D.	5.0	mg/kg	90	90	66-113	0	20
Batch number: 080385708002 Lead	N.D.	0.490	mg/kg	96		90-110		
Batch number: 08038A02A TPH-GRO - Soils	N.D.	1.0	mg/kg	93		67-119		
Batch number: 080430010A TPH-DRO by 8015B w/Silica Gel	N.D.	4.0	mg/kg	98	100	71-109	2	20
Batch number: 080500001A Total TPH TPH Motor Oil C16-C36	N.D.	10.	mg/kg	97	99	66-113	2	20
Batch number: B080421AB Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene Xylene (Total)	N.D.	0.0005	mg/kg	104	105	72-117	1	30
	N.D.	0.001	mg/kg	97	101	72-120	4	30
	N.D.	0.001	mg/kg	100	102	67-124	2	30
	N.D.	0.001	mg/kg	101	105	73-116	4	30
	N.D.	0.020	mg/kg	100	100	66-146	0	30
	N.D.	0.0005	mg/kg	99	102	84-115	3	30
	N.D.	0.001	mg/kg	106	108	76-135	2	30
	N.D.	0.001	mg/kg	98	102	81-116	4	30
	N.D.	0.001	mg/kg	104	104	77-114	0	30
	N.D.	0.001	mg/kg	95	97	82-115	1	30
	N.D.	0.001	mg/kg	98	98	82-117	0	30
Batch number: B080422AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene	N.D.	0.0005	mg/kg	99	96	72-117	4	30
	N.D.	0.001	mg/kg	94	96	72-120	2	30
	N.D.	0.001	mg/kg	95	94	67-124	1	30
	N.D.	0.001	mg/kg	97	93	73-116	5	30
	N.D.	0.020	mg/kg	98	105	66-146	7	30
	N.D.	0.0005	mg/kg	98	103	84-115	5	30
	N.D.	0.001	mg/kg	101	113	76-135	11	30
	N.D.	0.001	mg/kg	96	103	81-116	7	30
	N.D.	0.001	mg/kg	101	103	77-114	2	30
	N.D.	0.001	mg/kg	93	99	82-115	6	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/20/08 at 02:34 PM

Group Number: 1076104

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Xylene (Total)	N.D.	0.001	mg/kg	96	101	82-117	5	30
Batch number: R080371AC	Sample number(s): 5272253							
Methyl Tertiary Butyl Ether	N.D.	0.025	mg/kg	100	103	72-117	3	30
di-Isopropyl ether	N.D.	0.050	mg/kg	97	100	72-120	3	30
Ethyl t-butyl ether	N.D.	0.050	mg/kg	100	100	72-115	0	30
t-Amyl methyl ether	N.D.	0.050	mg/kg	98	100	73-116	3	30
t-Butyl alcohol	N.D.	1.0	mg/kg	102	111	59-154	8	30
Benzene	N.D.	0.025	mg/kg	103	104	84-115	1	30
1,2-Dichloroethane	N.D.	0.050	mg/kg	105	108	76-126	3	30
Toluene	N.D.	0.050	mg/kg	108	110	81-116	1	30
1,2-Dibromoethane	N.D.	0.050	mg/kg	106	112	77-114	6	30
Ethylbenzene	N.D.	0.050	mg/kg	107	110	82-115	3	30
Xylene (Total)	N.D.	0.050	mg/kg	106	108	82-117	2	30

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 08037A31B	Sample number(s): 5272245-5272252 UNSPK: P262899								
TPH-GRO - Soils	86	87	39-118	2	30				
Batch number: 080385708002	Sample number(s): 5272245-5272254 UNSPK: 5272254 BKG: 5272254								
Lead	94	100	75-125	4	20	8.93	9.69	8	20
Batch number: 08038A02A	Sample number(s): 5272253-5272254 UNSPK: P266499								
TPH-GRO - Soils	74	80	39-118	8	30				
Batch number: B080421AB	Sample number(s): 5272247-5272252, 5272254 UNSPK: P275147								
Methyl Tertiary Butyl Ether	100		59-119						
di-Isopropyl ether	100		58-113						
Ethyl t-butyl ether	97		60-112						
t-Amyl methyl ether	98		63-112						
t-Butyl alcohol	127		50-143						
Benzene	94		66-112						
1,2-Dichloroethane	116		62-130						
Toluene	94		58-116						
1,2-Dibromoethane	97		66-108						
Ethylbenzene	90		54-116						
Xylene (Total)	94		52-117						
Batch number: B080422AA	Sample number(s): 5272245-5272246 UNSPK: 5272245								
Methyl Tertiary Butyl Ether	96		59-119						
di-Isopropyl ether	97		58-113						
Ethyl t-butyl ether	96		60-112						
t-Amyl methyl ether	94		63-112						
t-Butyl alcohol	155*		50-143						
Benzene	102		66-112						
1,2-Dichloroethane	105		62-130						
Toluene	103		58-116						

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/20/08 at 02:34 PM

Group Number: 1076104

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,2-Dibromoethane	96		66-108						
Ethylbenzene	99		54-116						
Xylene (Total)	102		52-117						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Soils
Batch number: 08037A31B
Trifluorotoluene-F

5272245	92
5272246	91
5272247	87
5272248	96
5272249	84
5272250	89
5272251	77
5272252	85
Blank	85
LCS	101
MS	95
MSD	91

Limits: 61-122

Analysis Name: TPH-DRO by 8015B w/Silica Gel
Batch number: 080380006A
Orthoterphenyl

5272246	101
5272247	99
5272248	98
5272249	101
5272250	96
5272251	98
5272252	104
5272253	106
5272254	99
Blank	102
LCS	115
LCSD	111

Limits: 59-129

Analysis Name: TPH Fuels by GC (Soils)
Batch number: 080380007A
Chlorobenzene Orthoterphenyl

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/20/08 at 02:34 PM

Group Number: 1076104

Surrogate Quality Control

5272246	84	99
5272247	77	97
5272248	95	99
5272249	82	98
5272250	75	97
5272251	94	95
5272252	96	98
5272253	0*	97
5272254	92	95
Blank	85	98
LCS	85	103
LCSD	80	100

Limits: 37-125 47-145

 Analysis Name: TPH-GRO - Soils
 Batch number: 08038A02A
 Trifluorotoluene-F

5272253	84
5272254	86
Blank	91
LCS	101
MS	83
MSD	87

Limits: 61-122

 Analysis Name: TPH-DRO by 8015B w/Silica Gel
 Batch number: 080430010A
 Orthoterphenyl

5272245	101
Blank	106
LCS	119
LCSD	121

Limits: 59-129

 Analysis Name: TPH Fuels by GC (Soils)
 Batch number: 080500001A
 Chlorobenzene Orthoterphenyl

5272245	77	105
Blank	97	107
LCS	101	112
LCSD	107	111

Limits: 37-125 47-145

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B080421AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5272247	104	100	96	82
5272248	108	102	96	83
5272249	107	98	98	81

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/20/08 at 02:34 PM

Group Number: 1076104

Surrogate Quality Control

5272250	107	99	97	82
5272251	105	99	97	83
5272252	102	100	97	85
5272254	99	93	104	106
Blank	101	105	94	84
LCS	97	99	100	92
LCSD	98	103	99	91
MS	102	93	102	96

Limits:	71-114	70-109	70-123	70-111
---------	--------	--------	--------	--------

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B080422AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5272245	101	103	96	82
5272246	100	102	95	81
Blank	102	105	96	85
LCS	98	102	99	91
LCSD	101	98	101	96
MS	98	95	101	90

Limits:	71-114	70-109	70-123	70-111
---------	--------	--------	--------	--------

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: R080371AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5272253	88	88	98	96
Blank	93	94	96	93
LCS	97	100	102	103
LCSD	99	100	105	110

Limits:	71-114	70-109	70-123	70-111
---------	--------	--------	--------	--------

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



Acct. #: 10880

For Lancaster Laboratories use only

Sample #: 5272245-254

SCR#:

241887

020408-20

Group 1076104

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST., LIVERMORE
 Chevron PM: I. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: IH
 Service Order #: _____ Non SAR:

Analyses Requested

Preservation Codes

BTEX	8260	8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	7	Oxygenates	LEAD	SCAN	Lead 7420	7421	TPH MO	LEAD GOLD	PHYSICAL PARAMETERS
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run ___ oxy's on highest hit
- Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year	Month	Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan	7	Lead 7420	TPH MO	LEAD GOLD	PHYSICAL PARAMETERS
VP3-4.5	S		4.5	08	02	01	0935		X		1	X	X	X		X		X	X	
VP1-4.5	S		4.5				0940		X		1	X	X	X		X		X	X	X
VP1-8	S		8				1000		X		1	X	X	X		X		X	X	X
VP1-1.5	S		1.5				1110		X		1	X	X	X		X		X	X	
VP3-8	S		8				1115		X		1	X	X	X		X		X	X	
VP2-4.5	S		4.5				1124		X		1	X	X	X		X		X	X	
VP2-9.5	S		9.5				1142		X		1	X	X	X		X		X	X	

Comments / Remarks
 Email results to
 chevrons, @cravorld.
 ihull com
 EDF to :
 dchara@cravorld.
 com

Turnaround Time Requested (TAT) (please circle)

<u>STD. TAT</u>	72 hour	48 hour
24 hour	4 day	5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>0630</u>	Received by: <u>SECURE LOCATION</u>	Date: _____	Time: _____
Relinquished by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>	Received by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>
Relinquished by: <u>[Signature]</u>	Date: <u>2-4-08</u>	Time: <u>1600</u>	Received by: <u>[Signature]</u>	Date: <u>2-4-08</u>	Time: _____
Relinquished by Commercial Carrier: <u>[Signature]</u>	UPS	FedEx	Other: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date: <u>2/4/08</u>
Temperature Upon Receipt: <u>10-4-20°</u>	Custody Seals Intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Date: _____	Time: _____

Chevron California Region Analysis Request/Chain of Custody



Acct. #: **10880**

For Lancaster Laboratories use only
Sample #: **5272245-254**

SCR#: **241884**

020408-18

Group 1076104

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST STREET, LIVERMORE, CA
 Chevron PM: I. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: 111
 Service Order #: _____ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year	Month	Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	Analyses Requested										
												Preservation Codes										
												BTEX + 8260	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	TPH no	LEAD			
SB8-19.5	S		19.5	08	01	31	0915		X		1	X	X	X	X	X	X	X	X	X		
SB8-29.5	I		29.5				1035															
SB8-34.5	I		34.5				1040															
SB8-39.5	I		39.5				1045															

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Comments / Remarks
 Please email results to:
 cevas@croworld.com
 ihull@croworld.com

EDF DATA TO:
 dchare@croworld.com

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>	Received by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>
Relinquished by: <u>[Signature]</u>	Date: <u>2-7-08</u>	Time: <u>1600</u>	Received by: <u>[Signature]</u>	Date: <u>2-7-08</u>	Time: <u></u>
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by Commercial Carrier:	UPS FedEx Other <u>[Signature]</u>		Received by: <u>[Signature]</u>	Date: <u>2/7/08</u>	Time: <u>1000</u>
Temperature Upon Receipt: <u>100-42 C°</u>	Custody Seals Intact: Yes <input checked="" type="checkbox"/>				

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1076106. Samples arrived at the laboratory on Wednesday, February 06, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

Client Description

VP1-S-8-080201 Grab Soil

Lancaster Labs Number

5272263

ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Jaime L. Ferguson
Senior Specialist



Lancaster
Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5272263

Group No. 1076106

VP1-S-8-080201 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 VP1
Collected: 02/01/2008 10:00 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 03/11/2008 at 10:03
Discard: 04/11/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
---------	---------------	------------	--------------------	------------------------------------	-------	-----------------

The analysis for Bulk Density, Total Organic Carbon, Moisture Content, Effective Permeability, Total Porosity, air-filled porosity and water-filled porosity was subcontracted to another laboratory.
See Attached Reports.

Chevron California Region Analysis Request/Chain of Custody

241887



For Lancaster Laboratories use only
 Acct. #: 10880 Sample #: 5272263 SCR#: _____

020408-20

Group 1076106

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST., LIVERMORE
 Chevron PM: I. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: IH
 Service Order #: _____ Non SAR:

Analyses Requested									
Preservation Codes									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX - MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO Silica Gel Cleanup	8260 full scan	<input checked="" type="checkbox"/> Oxygenates LEAD SCANS	Lead 7420	TPH mtd	LEAD GOLD	PHYSICAL PARAMETERS
VP3-4.5	S		4.5	08 02 01	0935		X		1	X	X	X		X		X	X	
VP1-4.5	S		4.5		0940		X		1	X	X	X		X		X	X	
VP1-8	S		8		1000		X		1	X	X	X		X		X	X	X
SSB1-1.5	S				1110													
VP3-8	S		8		1115		X		1	X	X	X		X		X	X	
VP2-4.5	S		4.5		1124		X		1	X	X	X		X		X	X	
VP2-9.5	S		9.5		1142		X		1	X	X	X		X		X	X	

Comments / Remarks
 Email results to
 carens > @cra-world.com
 ihvii
 EDF to:
 dchara@cra-world.com

Turnaround Time Requested (TAT) (please circle)
 STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1630</u>	Received by: <u>SECURE LOCATION</u>	Date: _____	Time: _____
Relinquished by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>	Received by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>
Relinquished by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1600</u>	Received by: <u>[Signature]</u>	Date: <u>2-4-08</u>	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other: <u>[Signature]</u>	Temperature Upon Receipt: <u>104-20°</u>		Received by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1600</u>
Custody Seals Intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					



February 20, 2008

Holly Julian
Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17601-5994

Re: 5272263
PTS File No: 38098

Dear Ms. Julian:

Enclosed are final data for samples submitted from your Project # 5272263. All analyses were performed by applicable ASTM, EPA or API methodology. An electronic version of the report has previously been sent to your attention. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal or return of the samples.

We appreciate the opportunity to be of service and trust these data will prove beneficial in the development of this project. Please call me at (562) 907-3607 with any questions or if you require additional information.

Sincerely,
PTS Laboratories, Inc.

Rachel Spitz
Project Manager

Encl.

8100 Secura Way – Santa Fe Springs, CA 90670
Phone 562.907.3607 Fax 562.907.3610
www.ptsgelabs.com

PTS File No: 38098
 Client: Lancaster Laboratories

PHYSICAL PROPERTIES DATA - DRAINAGE (EFFECTIVE) POROSITY

PROJECT NAME: NA
 PROJECT NO: 5272263

SAMPLE ID.	DEPTH, ft.	METHODS: SAMPLE ORIENTATION (1)	ASP RP40/ ASTM D2216	API RP40	API RP40	ASTM D425M
			MOISTURE CONTENT, % weight	DENSITY BULK, g/cc	TOTAL POROSITY, %Vb	EFFECTIVE POROSITY, %Vb
VP1-S-8-080201	N/A	R	5.7	1.78	33.9	31.0

(1) Sample Orientation: H = horizontal; V = vertical; R = remolded Vb = Bulk Volume

PTS File No: 38098
 Client: Lancaster Laboratories

PHYSICAL PROPERTIES DATA - AIR FILLED POROSITY

PROJECT NAME: NA
 PROJECT NO: 5272263

SAMPLE ID.	DEPTH, ft.	METHODS: SAMPLE ORIENTATION (1)	API RP 40 POROSITY, %Vb (2)		
			TOTAL	AIR-FILLED	WATER-FILLED
VP1-S-8-080201	N/A	V	33.9	23.7	10.2

(1) Sample Orientation: H = horizontal; V = vertical; R = remolded (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids; Vb = Bulk Volume, cc

PTS File No: 38098
Client: Lancaster Laboratories

ORGANIC CARBON DATA - TOC

PROJECT NAME: NA
PROJECT NO: 5272263

METHOD: WALKLEY-BLACK
TOTAL ORGANIC CARBON, mg/kg

SAMPLE ID.	DEPTH, ft.	SAMPLE MATRIX	TOTAL ORGANIC CARBON, mg/kg
VP1-S-8-080201	N/A	SOIL	490

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1076102. Samples arrived at the laboratory on Wednesday, February 06, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
CPT2-S-22-080204 Grab Soil	5272235
CPT2-S-30-080204 Grab Soil	5272236
CPT2-S-35-080204 Grab Soil	5272237

ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull



Analysis Report

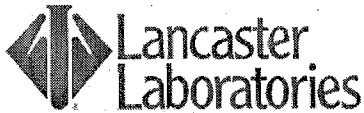
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M. Goshert".

Susan M. Goshert
Group Leader



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272235

Group No. 1076102

CPT2-S-22-080204 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT2
Collected:02/04/2008 12:15 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/18/2008 at 10:01
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT22

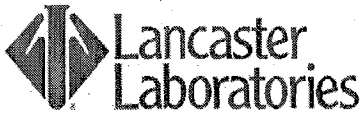
CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	1.0		mg/kg	25
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0		mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.	10.		mg/kg	1
02552	TPH Motor Oil C16-C36 TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.	n.a.	N.D.	10.		mg/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005		mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001		mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001		mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001		mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020		mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005		mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001		mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001		mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001		mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001		mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001		mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 10:15		Linda C Page	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272235

Group No. 1076102

CPT2-S-22-080204 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT2
Collected: 02/04/2008 12:15 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/18/2008 at 10:01
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT22							
02222	TPH-DRO by 8015B w/Silica Gel.	SW-846 8015B	2	02/08/2008 13:18	Diane V Do		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/15/2008 01:20	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/08/2008 15:06	Nicholas R Rossi		0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:29	Eric L Vera		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 19:32	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 19:28	Eric L Vera		n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:31	Eric L Vera		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/13/2008 18:10	Sally L Appleyard		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272236

Group No. 1076102

CPT2-S-30-080204 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 CPT2
 Collected: 02/04/2008 12:30 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
 Reported: 02/18/2008 at 10:01
 Discard: 03/20/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CPT30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	4.4		1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	27.		4.0	mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.		10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.		10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.026	mg/kg	51.87
02017	di-Isopropyl ether	108-20-3	N.D.		0.052	mg/kg	51.87
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.052	mg/kg	51.87
02019	t-Amyl methyl ether	994-05-8	N.D.		0.052	mg/kg	51.87
02020	t-Butyl alcohol	75-65-0	N.D.		1.0	mg/kg	51.87
05460	Benzene	71-43-2	N.D.		0.026	mg/kg	51.87
05461	1,2-Dichloroethane	107-06-2	N.D.		0.052	mg/kg	51.87
05466	Toluene	108-88-3	N.D.		0.052	mg/kg	51.87
05471	1,2-Dibromoethane	106-93-4	N.D.		0.052	mg/kg	51.87
05474	Ethylbenzene	100-41-4	1.1		0.052	mg/kg	51.87
06301	Xylene (Total)	1330-20-7	0.18		0.052	mg/kg	51.87

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 13:22	Linda C Page	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272236

Group No. 1076102

CPT2-S-30-080204 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT2
Collected: 02/04/2008 12:30 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/18/2008 at 10:01
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT30							
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008 10:01	Diane V Do		1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/15/2008 01:44	Matthew E Barton		1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/07/2008 22:21	Roy R Mellott Jr		51.87
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:52	Eric L Vera		n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008 19:50	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008 19:38	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	2	02/06/2008 19:45	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	3	02/06/2008 19:46	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	4	02/06/2008 19:47	Eric L Vera		n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	5	02/06/2008 19:48	Eric L Vera		n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008 19:51	Eric L Vera		n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008 14:35	Doreen K Robles		1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/13/2008 18:10	Sally L Appleyard		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5272237

Group No. 1076102

CPT2-S-35-080204 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT2
Collected:02/04/2008 12:45 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/18/2008 at 10:01
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT35

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01725	TPH-GRO - Soils	n.a.	1.3	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.	12.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.	12.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.98
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.98
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.98
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.98
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.98
05460	Benzene	71-43-2	0.0009	0.0005	mg/kg	0.98
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.98
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.98
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.98
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.98
06301	Xylene (Total)	1330-20-7	0.002	0.001	mg/kg	0.98

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5272237

Group No. 1076102

CPT2-S-35-080204 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT2
Collected: 02/04/2008 12:45 by IH

Account Number: 10880

Submitted: 02/06/2008 10:10
Reported: 02/18/2008 at 10:01
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT35
CAT

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008	10:52	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/08/2008	10:20	Diane V Do	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/15/2008	02:08	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/08/2008	15:29	Nicholas R Rossi	0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/06/2008	19:57	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/06/2008	19:56	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/06/2008	19:58	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/06/2008	20:00	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/07/2008	14:35	Doreen K Robles	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/13/2008	18:10	Sally L Appleyard	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/18/08 at 10:01 AM

Group Number: 1076102

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08037A31B TPH-GRO - Soils	N.D.	1.0	mg/kg	82		67-119		
Batch number: 080380006A TPH-DRO by 8015B w/Silica Gel	N.D.	4.0	mg/kg	96	94	71-109	2	20
Batch number: 08038A02A TPH-GRO - Soils	N.D.	1.0	mg/kg	93		67-119		
Batch number: 080440019A Total TPH TPH Motor Oil C16-C36	N.D.	10.	mg/kg	90	93	66-113	3	20
Batch number: B080391AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene Xylene (Total)	N.D.	0.0005	mg/kg	97	100	72-117	3	30
	N.D.	0.001	mg/kg	96	99	72-120	3	30
	N.D.	0.001	mg/kg	95	98	72-115	3	30
	N.D.	0.001	mg/kg	95	99	73-116	4	30
	N.D.	0.020	mg/kg	102	106	59-154	4	30
	N.D.	0.0005	mg/kg	99	104	84-115	5	30
	N.D.	0.001	mg/kg	100	104	76-126	4	30
	N.D.	0.001	mg/kg	100	103	81-116	2	30
	N.D.	0.001	mg/kg	100	101	77-114	1	30
	N.D.	0.001	mg/kg	93	95	82-115	2	30
	N.D.	0.001	mg/kg	96	98	82-117	2	30
Batch number: R080371AC Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene 1,2-Dichloroethane Toluene 1,2-Dibromoethane Ethylbenzene Xylene (Total)	N.D.	0.025	mg/kg	100	103	72-117	3	30
	N.D.	0.050	mg/kg	97	100	72-120	3	30
	N.D.	0.050	mg/kg	100	100	72-115	0	30
	N.D.	0.050	mg/kg	98	100	73-116	3	30
	N.D.	1.0	mg/kg	102	111	59-154	8	30
	N.D.	0.025	mg/kg	103	104	84-115	1	30
	N.D.	0.050	mg/kg	105	108	76-126	3	30
	N.D.	0.050	mg/kg	108	110	81-116	1	30
	N.D.	0.050	mg/kg	106	112	77-114	6	30
	N.D.	0.050	mg/kg	107	110	82-115	3	30
	N.D.	0.050	mg/kg	106	108	82-117	2	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
----	-----	--------	-----	-----	-----	-----	---------

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/18/08 at 10:01 AM

Group Number: 1076102

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: 08037A31B TPH-GRO - Soils	86	87	39-118	2	30	Sample number(s): 5272235, 5272237 UNSPK: P262899			
Batch number: 08038A02A TPH-GRO - Soils	74	80	39-118	8	30	Sample number(s): 5272236 UNSPK: P266499			
Batch number: B080391AA Methyl Tertiary Butyl Ether	105		59-119			Sample number(s): 5272235, 5272237 UNSPK: P269330			
di-Isopropyl ether	100		58-113						
Ethyl t-butyl ether	95		60-112						
t-Amyl methyl ether	96		63-112						
t-Butyl alcohol	113		51-134						
Benzene	102		66-112						
1,2-Dichloroethane	117		62-130						
Toluene	102		50-121						
1,2-Dibromoethane	104		66-108						
Ethylbenzene	97		54-116						
Xylene (Total)	99		52-117						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-GRO - Soils
 Batch number: 08037A31B
 Trifluorotoluene-F

5272235	84
5272237	90
Blank	85
LCS	101
MS	95
MSD	91

Limits: 61-122

 Analysis Name: TPH-DRO by 8015B w/Silica Gel
 Batch number: 080380006A
 Orthoterphenyl

5272235	100
5272236	105
5272237	101
Blank	102
LCS	115
LCSD	111

Limits: 59-129

 Analysis Name: TPH-GRO - Soils
 Batch number: 08038A02A
 Trifluorotoluene-F

5272236	119
---------	-----

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/18/08 at 10:01 AM

Group Number: 1076102

Surrogate Quality Control

 Blank 91
 LCS 101
 MS 83
 MSD 87

Limits: 61-122

Analysis Name: TPH Fuels by GC (Soils)

Batch number: 080440019A

	Chlorobenzene	Orthoterphenyl
5272235	91	103
5272236	124	101
5272237	95	98
Blank	95	103
LCS	115	104
LCSD	93	106

Limits: 37-125 47-145

Analysis Name: BTEX+5 Oxygenates+EDC+EDB

Batch number: B080391AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5272235	102	100	97	81
5272237	95	93	99	90
Blank	99	104	95	81
LCS	97	98	101	91
LCSD	97	98	100	91
MS	99	97	102	97

Limits: 71-114 70-109 70-123 70-111

Analysis Name: BTEX+5 Oxygenates+EDC+EDB

Batch number: R080371AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5272236	90	93	92	91
Blank	93	94	96	93
LCS	97	100	102	103
LCSD	99	100	105	110

Limits: 71-114 70-109 70-123 70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10880 Sample #: 5272235-37 SCR#: 1076102
242887

020408-22

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST STREET, LIVERMORE, CA
 Chevron PM: I. REDD Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR: _____

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX - THREE 8260	8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	F Oxygenates	LEAD 8260	LEAD 7420	7421	LEAD 6010	not needed	PER C. EVANS A.M.	2/4/08
CPT2-22	S		22	08 02 04	1215		X		1	X	X	X	X	X	X	X	X							
CPT2-30	S		30	08 02 04	1230		X		1	X	X	X	X	X	X	X	X							
CPT2-35	S		35	08 02 04	1245		X		1	X	X	X	X	X	X	X	X							

Analyses Requested	
Preservation Codes	
<input type="checkbox"/> J value reporting needed	
<input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds	
8021 MTBE Confirmation	
<input type="checkbox"/> Confirm highest hit by 8260	
<input type="checkbox"/> Confirm all hits by 8260	
<input type="checkbox"/> Run ___ oxy's on highest hit	
<input type="checkbox"/> Run ___ oxy's on all hits	

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other
 J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds
 8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Comments / Remarks
 PLEASE EMAIL RESULTS TO:
 CEVANS @esaworld.com
 ihull
 EDF DATA TO:
 dolhare @esaworld.com

Turnaround Time Requested (TAT) (please circle)
 (STD. TAT) 24 hour 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>I. Hull</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>	Received by: <u>Andrew Amoye</u>	Date: <u>2/4/08</u>	Time: <u>1535</u>
Relinquished by: <u>Andrew Amoye</u>	Date: <u>2-7-08</u>	Time: <u>1600</u>	Received by: <u>DTC</u>	Date: <u>2-7-08</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: _____	UPS FedEx <u>Other</u>		Received by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1610</u>
Temperature Upon Receipt: <u>10-42 C°</u>	Custody Seals Intact? Yes <u>No</u>				

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2601 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1076369. Samples arrived at the laboratory on Thursday, February 07, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

Client Description

CPT1-W-080205 Grab Water

Lancaster Labs Number

5273882

ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Christine Dulanoy
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. WW5273882

Group No. 1076369

CPT1-W-080205 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT1
Collected: 02/05/2008 12:30 by IH

Account Number: 10880

Submitted: 02/07/2008 09:20
Reported: 02/21/2008 at 14:05
Discard: 03/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	3,300.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02202	TPH-DRO (Water) w/Si Gel	n.a.	47,000.	7,300.	ug/l	25
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
02500	TPH Fuels by GC (Waters)					
02501	Total TPH	n.a.	1,500.	400.	ug/l	1
02508	TPH Motor Oil C16-C36	n.a.	1,500.	400.	ug/l	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly. The chlorobenzene surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	5.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	2.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	3.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	2.	0.5	ug/l	1

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. WW5273882

Group No. 1076369

CPT1-W-080205 Grab Water
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT1
Collected: 02/05/2008 12:30 by IH

Account Number: 10880

Submitted: 02/07/2008 09:20
Reported: 02/21/2008 at 14:05
Discard: 03/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1-

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	02/19/2008 14:12	Patrick N Evans	1
02202	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	02/12/2008 12:11	Diane V Do	25
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	02/12/2008 02:29	Matthew E Barton	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/11/2008 09:49	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/12/2008 10:36	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/11/2008 09:49	Ginelle L Feister	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	02/10/2008 10:00	Kelli M Knapp	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	02/09/2008 08:00	Olivia I Santiago	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/21/08 at 02:05 PM

Group Number: 1076369

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 080390019A	Sample number(s): 5273882							
Total TPH	N.D.	40.	ug/l	84	81	60-120	3	20
TPH Motor Oil C16-C36	N.D.	40.	ug/l					
Batch number: 080400004A	Sample number(s): 5273882							
TPH-DRO (Water) w/Si Gel	N.D.	29.	ug/l	100	98	60-124	3	20
Batch number: 08050A54A	Sample number(s): 5273882							
TPH-GRO - Waters	N.D.	50.	ug/l	93	89	75-135	4	30
Batch number: D080421AA	Sample number(s): 5273882							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	103		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	110		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	111		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	108		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	117		74-117		
Benzene	N.D.	0.5	ug/l	104		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	105		69-135		
Toluene	N.D.	0.5	ug/l	103		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	94		81-114		
Ethylbenzene	N.D.	0.5	ug/l	103		82-119		
Xylene (Total)	N.D.	0.5	ug/l	103		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D080421AA	Sample number(s): 5273882			UNSPK:	P273100				
Methyl Tertiary Butyl Ether	103	102	69-127	1	30				
di-Isopropyl ether	110	110	68-129	0	30				
Ethyl t-butyl ether	109	110	78-119	1	30				
t-Amyl methyl ether	108	104	72-125	4	30				
t-Butyl alcohol	115	110	70-121	4	30				
Benzene	108	108	83-128	0	30				
1,2-Dichloroethane	103	103	70-143	0	30				
Toluene	107	108	83-127	1	30				
1,2-Dibromoethane	89	92	78-120	4	30				
Ethylbenzene	107	106	82-129	1	30				
Xylene (Total)	105	106	82-130	0	30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/21/08 at 02:05 PM

Group Number: 1076369

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH Fuels by GC (Waters)

Batch number: 080390019A

	Chlorobenzene	Orthoterphenyl
5273882	0*	86
Blank	81	92
LCS	91	102
LCSD	88	96

Limits: 28-152 52-131

Analysis Name: TPH-DRO (Water) w/Si Gel

Batch number: 080400004A

	Orthoterphenyl
5273882	92
Blank	99
LCS	115
LCSD	115

Limits: 59-131

Analysis Name: TPH-GRO - Waters

Batch number: 08050A54A

	Trifluorotoluene-F
5273882	126
Blank	83
LCS	99
LCSD	98

Limits: 63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB

Batch number: D080421AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5273882	85	83	87	103
Blank	94	94	93	101
LCS	92	91	91	102
MS	95	92	94	104
MSD	91	90	90	101

Limits: 80-116 77-113 80-113 78-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1076371. Samples arrived at the laboratory on Thursday, February 07, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

Client Description

CPT1-S-21-080205 Grab Soil
CPT1-S-36-080205 Grab Soil

Lancaster Labs Number

5273884
5273885

ELECTRONIC COPY TO
ELECTRONIC COPY TO
ELECTRONIC COPY TO

CRA
CRA

Attn: Charlotte Evans

Attn: I Hull



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Valerie L. Tomayko".

Valerie L. Tomayko
Group Leader



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5273884

Group No. 1076371

CPT1-S-21-080205 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT1
Collected: 02/05/2008 10:50 by IH

Account Number: 10880

Submitted: 02/07/2008 09:20
Reported: 02/18/2008 at 22:59
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP121

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg	1
02516	TPH Fuels by GC (Soils)						
02518	Total TPH	n.a.	N.D.		10.	mg/kg	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.		10.	mg/kg	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.0005	mg/kg	1.02
02017	di-Isopropyl ether	108-20-3	N.D.		0.001	mg/kg	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.001	mg/kg	1.02
02019	t-Amyl methyl ether	994-05-8	N.D.		0.001	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.		0.020	mg/kg	1.02
05460	Benzene	71-43-2	N.D.		0.0005	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.		0.001	mg/kg	1.02
05466	Toluene	108-88-3	N.D.		0.001	mg/kg	1.02
05471	1,2-Dibromoethane	106-93-4	N.D.		0.001	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.		0.001	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.		0.001	mg/kg	1.02

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/08/2008	03:36	Linda C Page	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5273884

Group No. 1076371

CPT1-S-21-080205 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT1
Collected: 02/05/2008 10:50 by IH

Account Number: 10880

Submitted: 02/07/2008 09:20
Reported: 02/18/2008 at 22:59
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP121

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/14/2008 10:51	Diane V Do	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/15/2008 02:31	Matthew E Barton	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/14/2008 01:36	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/07/2008 14:28	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/07/2008 14:32	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/07/2008 14:30	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/07/2008 14:31	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/13/2008 13:00	Olivia Arosemena	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/13/2008 18:10	Sally L Appleyard	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW5273885

Group No. 1076371

CPT1-S-36-080205 Grab Soil
 Facility# 307233 CETE
 2259 First St-Livermore T0600196622 CPT1
 Collected: 02/05/2008 13:08 by IH

Account Number: 10880

Submitted: 02/07/2008 09:20
 Reported: 02/18/2008 at 22:59
 Discard: 03/20/2008

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CP136

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01725	TPH-GRO - Soils	n.a.	1.0	Detection Limit	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	100.	4.0	mg/kg	1
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	380.	50.	mg/kg	5
02552	TPH Motor Oil C16-C36	n.a.	380.	50.	mg/kg	5
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.02
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.02
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.02
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.02

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/08/2008 04:16	Linda C Pape	25



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW5273885

Group No. 1076371

CPT1-S-36-080205 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 CPT1
Collected: 02/05/2008 13:08 by IH

Account Number: 10880

Submitted: 02/07/2008 09:20
Reported: 02/18/2008 at 22:59
Discard: 03/20/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP136

02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	02/14/2008 14:07	Diane V Do	1
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	02/15/2008 02:55	Matthew E Barton	5
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	02/14/2008 01:59	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/07/2008 14:40	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/07/2008 14:39	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	02/07/2008 14:36	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/07/2008 14:38	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/13/2008 13:00	Olivia Arosemena	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	02/13/2008 18:10	Sally L Appleyard	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/18/08 at 10:59 PM

Group Number: 1076371

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 08038A02A TPH-GRO - Soils	N.D.	1.0	mg/kg	93		67-119		
Batch number: 080430010A TPH-DRO by 8015B w/Silica Gel	N.D.	4.0	mg/kg	98	100	71-109	2	20
Batch number: 080440019A Total TPH	N.D.	10.	mg/kg	90	93	66-113	3	20
TPH Motor Oil C16-C36	N.D.	10.	mg/kg					
Batch number: B080442AA Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	96	95	72-117	1	30
di-Isopropyl ether	N.D.	0.001	mg/kg	91	90	72-120	2	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	95	91	67-124	5	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	95	92	73-116	3	30
t-Butyl alcohol	N.D.	0.020	mg/kg	104	101	66-146	3	30
Benzene	N.D.	0.0005	mg/kg	96	90	84-115	6	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	102	99	76-135	3	30
Toluene	N.D.	0.001	mg/kg	92	87	81-116	6	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	97	93	77-114	4	30
Ethylbenzene	N.D.	0.001	mg/kg	89	83	82-115	6	30
Xylene (Total)	N.D.	0.001	mg/kg	92	86	82-117	7	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 08038A02A TPH-GRO - Soils	74	80	39-118	8	30				
Batch number: B080442AA Methyl Tertiary Butyl Ether	46*		59-119						
di-Isopropyl ether	48*		58-113						
Ethyl t-butyl ether	46*		60-112						
t-Amyl methyl ether	45*		63-112						
t-Butyl alcohol	40*		50-143						
Benzene	63*		66-112						
1,2-Dichloroethane	56*		62-130						
Toluene	62		58-116						
1,2-Dibromoethane	52*		66-108						
Ethylbenzene	60		54-116						
Xylene (Total)	61		52-117						

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/18/08 at 10:59 PM

Group Number: 1076371

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
----------------------	--------------------------	---------------------------	--------------------------------	------------	--------------------------	---------------------------	---------------------------	--------------------------	-------------------------------------

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-GRO - Soils
 Batch number: 08038A02A
 Trifluorotoluene-F

5273884	86
5273885	93
Blank	91
LCS	101
MS	83
MSD	87

Limits: 61-122

 Analysis Name: TPH-DRO by 8015B w/Silica Gel
 Batch number: 080430010A
 Orthoterphenyl

5273884	94
5273885	96
Blank	106
LCS	119
LCS D	121

Limits: 59-129

 Analysis Name: TPH Fuels by GC (Soils)
 Batch number: 080440019A
 Chlorobenzene Orthoterphenyl

5273884	92	103
5273885	97	105
Blank	95	103
LCS	115	104
LCS D	93	106

Limits: 37-125 47-145

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B080442AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5273884	99	100	96	84
5273885	97	109	98	84
Blank	102	104	95	82

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/18/08 at 10:59 PM

Group Number: 1076371

Surrogate Quality Control

LCS	98	98	99	92
LCSD	98	100	99	92
MS	100	116*	99	93
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



020508-11

For Lancaster Laboratories use only
 Acct. #: 10880 Sample #: 5273884-85 SCR#: 1070371

Facility #: <u>30-7233 (AIL)</u> Site Address: <u>2259 FIRST ST., LIVERMORE, CA</u> Chevron PM: <u>I. ROSS</u> Lead Consultant: <u>CRA</u> Consultant/Office: <u>EMERYVILLE, CA</u> Consultant Prj. Mgr.: <u>C. EVANS</u> Consultant Phone #: <u>510-420-3344</u> Fax #: <u>510-420-9170</u> Sampler: <u>J. HULL</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____							Analyses Requested					Preservative Codes		H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits						
							Preservation Codes													
							Total Number of Containers													
							BTEX + 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> TPH 8015 MOD GRO <input type="checkbox"/> TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup 8260 full scan <input type="checkbox"/> <input checked="" type="checkbox"/> Oxygenates LEAD SCANS Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> TPH mo 8015 <input checked="" type="checkbox"/>													
Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Slab	Composite	Total Number of Containers	BTEX + 8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO <input type="checkbox"/>	TPH 8015 MOD DRO <input checked="" type="checkbox"/>	8260 full scan <input type="checkbox"/>	Oxygenates <input checked="" type="checkbox"/>	LEAD SCANS <input checked="" type="checkbox"/>	Lead 7420 <input type="checkbox"/>	7421 <input type="checkbox"/>	TPH mo 8015 <input checked="" type="checkbox"/>	Comments / Remarks PLEASE EMAIL RESULTS TO: CEVANS cj@ccaworld.com jhull EDF DATA TO: dchavez@ccaworld.com	
CPT1-21	S		21	08 02 05	1050		X	1	X	X	X	X	X	X	X	X	X	X		
CPT1-36	S		36	08 02 05	1308		X	1	X	X	X	X	X	X	X	X	X	X		
Turnaround Time Requested (TAT) (please circle) STD. TAT 24 hour 72 hour 48 hour 5 day							Relinquished by: <u>J. Hull</u> Date: <u>2/5/08</u> Time: <u>1620</u> Received by: <u>[Signature]</u> Date: <u>2/5/08</u> Time: <u>1630</u>													
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk _____							Relinquished by: <u>[Signature]</u> Date: <u>2-6-08</u> Time: <u>1530</u> Received by: <u>[Signature]</u> Date: <u>2-6-08</u> Time: _____													
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____							Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____													
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____							Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____													
Temperature Upon Receipt: <u>10-24</u> °C							UPS FedEx Other <u>[Signature]</u>					Custody Seals Intact? Yes No								

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		


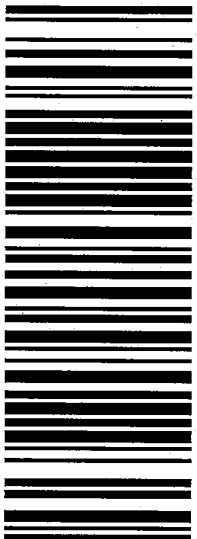
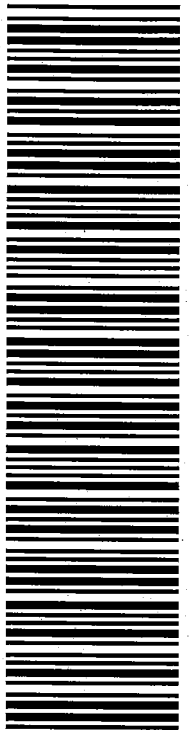
U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is <CRDL, but ≥IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

		EXP+	Pieces: 1/1
2199235 FM: COHESTOGA-ROVERS & ASSO C C. Garcia-Gil STE A 5900 HOLLIS ST EMERYVILLE, CA 94608 UNITED STATES Phone: 510-420-0700		ORIGIN: OAK	Sender's ref <i>trish</i>
To: THE IRVINE COMPANY SCOTT W. TIPPEIT 111 INNOVATION IRVINE, CA 92617 UNITED STATES		POSTCODE: 92617	TEL: 949-720-2653
Description:		Weight: Letter	Time 10:30
DHL standard terms and conditions apply.			
 (2LJUS92617)		SEEH 2M MMH	
 (Non-Negotiable)		WAYBILL: 25970959151	


Please fold or cut in half

DO NOT PHOTOCOPY


Using a photocopy could delay the delivery of your package and will result in additional shipping charge

For Tracking, please go to www.dhl-usa.com or call 1-800-225-5345

Thank you for shipping with DHL

Create new shipment 

▶ View pending shipments

Print waybill 

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425SAMPLE GROUP

The sample group for this submittal is 1076648. Samples arrived at the laboratory on Friday, February 08, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
SSB7-S-1.5-080206 Grab Soil	5275482
SSB7-S-3.5-080206 Grab Soil	5275483
SSB7-S-5.5-080206 Grab Soil	5275484
SSB7-S-7-080206 Grab Soil	5275485
SSB9-S-1.5-080206 Grab Soil	5275486
SSB9-S-3-080206 Grab Soil	5275487
SSB9-S-5-080206 Grab Soil	5275488
SSB9-S-9-080206 Grab Soil	5275489
SSB10-S-3-080206 Grab Soil	5275490
SSB10-S-5-080206 Grab Soil	5275491
SSB10-S-9-080206 Grab Soil	5275492
SSB5-S-1.5-080206 Grab Soil	5275493
SSB5-S-3-080206 Grab Soil	5275494
SSB5-S-5.5-080206 Grab Soil	5275495
SSB5-S-7-080206 Grab Soil	5275496
SSB6-S-1.5-080206 Grab Soil	5275497
SSB6-S-3-080206 Grab Soil	5275498
SSB3-S-3-080206 Grab Soil	5275499
SSB3-S-5-080206 Grab Soil	5275500
SSB11-S-1.5-080206 Grab Soil	5275501
SSB11-S-3-080206 Grab Soil	5275502
SSB11-S-5-080206 Grab Soil	5275503
SSB11-S-8.5-080206 Grab Soil	5275504



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-658-2661 • www.lancasterlabs.com

ELECTRONIC COPY TO
ELECTRONIC COPY TO
ELECTRONIC COPY TO

CRA
CRA

Attn: Charlotte Evans

Attn: I Hull

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Max E. Snively".

Max E. Snively
Senior Specialist



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275482

Group No. 1076648

SSB7-S-1.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB7
Collected: 02/06/2008 09:23 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	13.0	0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 11:48	Eric L Eby	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:05	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275483

Group No. 1076648

SSB7-S-3.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB7
Collected: 02/06/2008 09:37 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	9.73		0.485	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/12/2008 22:41	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275484

Group No. 1076648

SSB7-S-5.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB7
Collected: 02/06/2008 09:44 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	4.60	0.471	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 22:44	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275485

Group No. 1076648

SSB7-S-7-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB7
Collected: 02/06/2008 10:11 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	3.97	0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 22:55	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275486

Group No. 1076648

SSB9-S-1.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB9
Collected: 02/06/2008 10:35 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

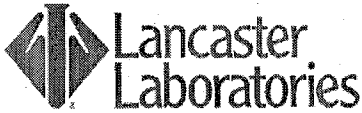
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	189.	0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 22:58	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275487

Group No. 1076648

SSB9-S-3-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB9
Collected:02/06/2008 10:41 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT			As Received	As Received		
No.	Analysis Name	CAS Number	Result	Method	Detection Limit	Dilution Factor
06955	Lead	7439-92-1	15.0		0.480	mg/kg 1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT				Analysis			Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst		Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:02	Thomas F McLamb Sr		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits		1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275488

Group No. 1076648

SSB9-S-5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB9
Collected: 02/06/2008 10:47 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	6.24		0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:06	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275489

Group No. 1076648

SSB9-S-9-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB9
Collected: 02/06/2008 10:57 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	6.36		0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:09	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275490

Group No. 1076648

SSB10-S-3-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB10
Collected: 02/06/2008 12:33 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
06955	Lead	7439-92-1	67.2	0.490	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/12/2008 22:19	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275491

Group No. 1076648

SSB10-S-5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB10
Collected: 02/06/2008 12:38 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	5.00		0.485	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/12/2008 23:13	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275492

Group No. 1076648

SSB10-S-9-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB10
Collected: 02/06/2008 12:56 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	9.34	0.485	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/12/2008 23:16	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275493

Group No. 1076648

SSB5-S-1.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB5
Collected: 02/06/2008 09:40 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	18.2	0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:20	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275494

Group No. 1076648

SSB5-S-3-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB5
Collected: 02/06/2008 09:50 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	47.5	0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:23	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275495

Group No. 1076648

SSB5-S-5.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB5
Collected: 02/06/2008 09:57 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

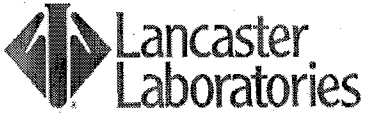
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	117.	0.485	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:27	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275496

Group No. 1076648

SSB5-S-7-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB5
Collected:02/06/2008 10:25 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:11
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	63.5	0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/12/2008 23:38	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275497

Group No. 1076648

SSB6-S-1.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB6
Collected: 02/06/2008 10:40 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:12
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	14.3		0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:41	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2881 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275498

Group No. 1076648

SSB6-S-3-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB6
Collected: 02/06/2008 10:55 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:12
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method		
06955	Lead	7439-92-1	98.9	Detection Limit 0.485	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
06955	Lead	SW-846 6010B	1	02/12/2008 23:45	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275499

Group No. 1076648

SSB3-S-3-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB3
Collected:02/06/2008 12:29 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:12
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method		
06955	Lead	7439-92-1	52.4	Detection Limit 0.471	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/12/2008 23:49	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275500

Group No. 1076648

SSB3-S-5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB3
Collected: 02/06/2008 13:15 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:12
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	42.2		0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/12/2008 23:52	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275501

Group No. 1076648

SSB11-S-1.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB11
Collected: 02/06/2008 13:30 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:12
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	9.67		0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:56	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275502

Group No. 1076648

SSB11-S-3-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB11
Collected: 02/06/2008 13:45 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:12
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	4.86		0.480	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	02/12/2008 23:59	Thomas F McLamb Sr	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/11/2008 20:25	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275503

Group No. 1076648

SSB11-S-5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB11
Collected: 02/06/2008 13:50 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:12
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	3.90		0.476	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/14/2008 04:45	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/13/2008 20:10	Annamaria Stipkovits	1



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. SW5275504

Group No. 1076648

SSB11-S-8.5-080206 Grab Soil
Facility# 307233 CETE
2259 First St-Livermore T0600196622 SSB11
Collected: 02/06/2008 14:06 by IH

Account Number: 10880

Submitted: 02/08/2008 09:50
Reported: 02/14/2008 at 13:12
Discard: 03/16/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06955	Lead	7439-92-1	5.62	0.480	mg/kg	1	

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	02/14/2008 04:58	Choon Y Tian	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/13/2008 20:10	Annamaria Stipkovits	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 02/14/08 at 01:12 PM

Group Number: 1076648

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 080425708001 Lead	Sample number(s): 5275482 N.D.	0.490	mg/kg	101		90-110		
Batch number: 080425708002 Lead	Sample number(s): 5275483-5275502 N.D.	0.490	mg/kg	103		90-110		
Batch number: 080445708001 Lead	Sample number(s): 5275503-5275504 N.D.	0.490	mg/kg	96		90-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 080425708001 Lead	Sample number(s): 5275482 99	100	75-125	0	20	UNSPK: P275480 7.54	BKG: P275480 7.79	3	20
Batch number: 080425708002 Lead	Sample number(s): 5275483-5275502 149 (2)	117 (2)	75-125	5	20	UNSPK: 5275490 67.2	BKG: 5275490 125.	60*	20
Batch number: 080445708001 Lead	Sample number(s): 5275503-5275504 118 (2)	42325 (2)	75-125	182*	20	UNSPK: P263598 236.	BKG: P263598 267.	12	20

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody



COC #
020708-04-1

241894

For Lancaster Laboratories use only
 Acct. #: 10880 Sample #: 5275482-504 SCR#: _____

1076648

Facility #: 30-7233 (AIL)
 Site Address: 225A FIRST ST., LIVERMORE, CA
 Chevron PM: I. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE, CA
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR:

Analyses Requested									
Preservation Codes									
BTEX + MTBE	8260	8021							
TPH 8015 MOD	GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	LEAD	GOLO

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers
SSB7-1.5	S		1.5	08 02 06	0923		X		1
SSB7-3.5	S		3.5		0937		X		1
SSB7-5.5	S		5.5		0944		X		1
SSB7-7	S		7		1011		X		1
SSB9-1.5	S		1.5		1035		X		1
SSB9-3	S		3		1044		X		1
SSB9-5	S		5		1047		X		1
SSB9-9	S		9		1057		X		1
SSB10-3	S		3	08 02 06	1233		X		1
SSB10-5	S		5	08 02 06	1238		X		1
SSB10-9	S		9	08 02 06	1256		X		1

Comments / Remarks
 PLEASE E-MAIL RESULTS TO:
 cevas@croworld.com
 ihull
 EDF to:
 dchore@croworld.com

Turnaround Time Requested (TAT) (please circle) (STD. TAT) 24 hour 72 hour 48 hour 4 day 5 day	Relinquished by: <u>I. Hull</u>	Date: <u>2/7/08</u>	Time: <u>1130</u>	Received by: <u>Andrew Amoy</u>	Date: <u>2-7-08</u>	Time: <u>1245</u>
	Relinquished by: <u>Andrew Amoy</u>	Date: <u>2/7/08</u>	Time: <u>1550</u>	Received by: <u>DIR</u>	Date: <u>2-7-08</u>	Time: _____
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk	Relinquished by Commercial Carrier: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
	UPS FedEx Other: <u>Other</u>	Temperature Upon Receipt: <u>0732°C</u>		Custody Seals Intact? Yes No <u>(No)</u>	Date: <u>2/8/08</u>	Time: <u>0940</u>

Chevron California Region Analysis Request/Chain of Custody



COC #
020708-04-3

For Lancaster Laboratories use only
 Acct. # 10880 Sample #: 5275482-504 SCR#: 241891
1076648

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: I. ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR: _____

Analyses Requested									
Preservation Codes									
BTEX + MTBE	8260	8021							
TPH 8015 MOD GRO									
TPH 8015 MOD DRO									
8260 full scan									
Oxygenates									
Lead 7420									
LEAD 6010									

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year	Month	Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	LEAD 6010		
SSB5-1.5	S		1.5	08	02	06	0940		X		1											X	
SSB5-3			3				0950																
SSB5-5.5			5.5				0957																
SSB5-7			7				1025																
SSB6-1.5			1.5				1040																
SSB6-3			3				1055																
SSB3-3			3				1229																
SSB3-5			5				1315																
SSB11-1.5	S		1.5	08	02	06	1330		X		1											X	
SSB11-3	S		3	08	02	06	1345		X		1											X	
SSB11-5	S		5	08	02	06	1350		X		1											X	
SSB11-8.5	S		8.5	08	02	06	14:06		X		1											X	

Comments / Remarks
 PLEASE EMAIL RESULTS TO:
 CEVANS > @craworld.com
 ihull
 EDF to:
 dchare@craworld.com

Turnaround Time Requested (TAT) (please circle)

STD. TAT 24 hour 72 hour 48 hour
 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>2/7/08</u>	Time: <u>1130</u>	Received by: <u>[Signature]</u>	Date: <u>2-7-08</u>	Time: <u>1215</u>
Relinquished by: <u>[Signature]</u>	Date: <u>2-7-08</u>	Time: <u>1530</u>	Received by: <u>[Signature]</u>	Date: <u>2-7-08</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: _____	UPS FedEx Other: <u>o/c</u>	Received by: <u>[Signature]</u>	Date: <u>2-7-08</u>	Time: <u>0950</u>	
Temperature Upon Receipt: <u>01-32°</u>	Custody Seals Intact? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0803250A

Work Order Summary

CLIENT:	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	BILL TO:	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	P.O. #	
FAX:	510-420-9170	PROJECT #	307233
DATE RECEIVED:	03/12/2008	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/17/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP1-5	Modified TO-15	0.0 "Hg	15 psi
01AA	VP1-5 Lab Duplicate	Modified TO-15	0.0 "Hg	15 psi
02A	VP1-10	Modified TO-15	5.0 "Hg	15 psi
03A	VP2-5	Modified TO-15	6.0 "Hg	15 psi
04A	VP2-5 Duplicate	Modified TO-15	6.0 "Hg	15 psi
05A	VP2-10	Modified TO-15	5.5 "Hg	15 psi
06A	VP3-5	Modified TO-15	6.0 "Hg	15 psi
07A	VP3-10	Modified TO-15	5.5 "Hg	15 psi
08A	Lab Blank	Modified TO-15	NA	NA
09A	CCV	Modified TO-15	NA	NA
10A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: *Sandra J. Freeman*
 Laboratory Director

DATE: 03/17/08

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
 Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
 This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Conestoga-Rovers Associates (CRA)
Workorder# 0803250A

Seven 1 Liter Summa Canister (100% Certified) samples were received on March 12, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Daily CCV	+/- 30% Difference	< /= 30% Difference with two allowed out up to < /=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP1-5

Lab ID#: 0803250A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	1.0	4.7	3.8	18
Ethyl Benzene	1.0	1.3	4.4	5.6

Client Sample ID: VP1-5 Lab Duplicate

Lab ID#: 0803250A-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	1.0	3.5	3.8	13

Client Sample ID: VP1-10

Lab ID#: 0803250A-02A

No Detections Were Found.

Client Sample ID: VP2-5

Lab ID#: 0803250A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	1.3	5.1	4.8	19
Ethyl Benzene	1.3	1.5	5.5	6.4
m,p-Xylene	1.3	7.2	5.5	31
o-Xylene	1.3	4.0	5.5	17

Client Sample ID: VP2-5 Duplicate

Lab ID#: 0803250A-04A

No Detections Were Found.

Client Sample ID: VP2-10

Lab ID#: 0803250A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	1.2	7.6	4.6	29
Ethyl Benzene	1.2	2.2	5.4	9.7
m,p-Xylene	1.2	1.6	5.4	6.9



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP2-10

Lab ID#: 0803250A-05A

o-Xylene	1.2	2.6	5.4	11
----------	-----	-----	-----	----

Client Sample ID: VP3-5

Lab ID#: 0803250A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
m,p-Xylene	1.3	1.4	5.5	6.3

Client Sample ID: VP3-10

Lab ID#: 0803250A-07A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP1-5

Lab ID#: 0803250A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031417	Date of Collection:	3/10/08
Dil. Factor:	2.02	Date of Analysis:	3/14/08 08:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	1.0	Not Detected	3.6	Not Detected
tert-Amyl methyl ether	4.0	Not Detected	17	Not Detected
tert-Butyl alcohol	10	Not Detected	31	Not Detected
Isopropyl ether	4.0	Not Detected	17	Not Detected
Ethyl-tert-butyl ether	4.0	Not Detected	17	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
Toluene	1.0	4.7	3.8	18
Ethyl Benzene	1.0	1.3	4.4	5.6
m,p-Xylene	1.0	Not Detected	4.4	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.8	Not Detected
Naphthalene	4.0	Not Detected	21	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130
1,2-Dichloroethane-d4	77	70-130
4-Bromofluorobenzene	91	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP1-5 Lab Duplicate

Lab ID#: 0803250A-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031418	Date of Collection:	3/10/08
Dil. Factor:	2.02	Date of Analysis:	3/14/08 09:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	1.0	Not Detected	3.6	Not Detected
tert-Amyl methyl ether	4.0	Not Detected	17	Not Detected
tert-Butyl alcohol	10	Not Detected	31	Not Detected
Isopropyl ether	4.0	Not Detected	17	Not Detected
Ethyl-tert-butyl ether	4.0	Not Detected	17	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
Toluene	1.0	3.5	3.8	13
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	1.0	Not Detected	4.4	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.8	Not Detected
Naphthalene	4.0	Not Detected	21	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	82	70-130
4-Bromofluorobenzene	88	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP1-10

Lab ID#: 0803250A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031419	Date of Collection:	3/10/08
Dil. Factor:	2.42	Date of Analysis:	3/14/08 09:54 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
tert-Amyl methyl ether	4.8	Not Detected	20	Not Detected
tert-Butyl alcohol	12	Not Detected	37	Not Detected
Isopropyl ether	4.8	Not Detected	20	Not Detected
Ethyl-tert-butyl ether	4.8	Not Detected	20	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	82	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-5

Lab ID#: 0803250A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031420	Date of Collection:	3/10/08
Dil. Factor:	2.53	Date of Analysis:	3/14/08 10:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
tert-Amyl methyl ether	5.1	Not Detected	21	Not Detected
tert-Butyl alcohol	13	Not Detected	38	Not Detected
Isopropyl ether	5.1	Not Detected	21	Not Detected
Ethyl-tert-butyl ether	5.1	Not Detected	21	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
Toluene	1.3	5.1	4.8	19
Ethyl Benzene	1.3	1.5	5.5	6.4
m,p-Xylene	1.3	7.2	5.5	31
o-Xylene	1.3	4.0	5.5	17
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Naphthalene	5.1	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	80	70-130
4-Bromofluorobenzene	93	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-5 Duplicate

Lab ID#: 0803250A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031421	Date of Collection:	3/10/08
Dil. Factor:	2.53	Date of Analysis:	3/14/08 11:00 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
tert-Amyl methyl ether	5.1	Not Detected	21	Not Detected
tert-Butyl alcohol	13	Not Detected	38	Not Detected
Isopropyl ether	5.1	Not Detected	21	Not Detected
Ethyl-tert-butyl ether	5.1	Not Detected	21	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Naphthalene	5.1	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	79	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-10

Lab ID#: 0803250A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031422	Date of Collection:	3/10/08
Dil. Factor:	2.47	Date of Analysis:	3/14/08 11:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
tert-Amyl methyl ether	4.9	Not Detected	21	Not Detected
tert-Butyl alcohol	12	Not Detected	37	Not Detected
Isopropyl ether	4.9	Not Detected	21	Not Detected
Ethyl-tert-butyl ether	4.9	Not Detected	21	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
Toluene	1.2	7.6	4.6	29
Ethyl Benzene	1.2	2.2	5.4	9.7
m,p-Xylene	1.2	1.6	5.4	6.9
o-Xylene	1.2	2.6	5.4	11
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.5	Not Detected
Naphthalene	4.9	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130
1,2-Dichloroethane-d4	78	70-130
4-Bromofluorobenzene	93	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP3-5

Lab ID#: 0803250A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031423	Date of Collection:	3/10/08
Dil. Factor:	2.53	Date of Analysis:	3/15/08 12:05 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
tert-Amyl methyl ether	5.1	Not Detected	21	Not Detected
tert-Butyl alcohol	13	Not Detected	38	Not Detected
Isopropyl ether	5.1	Not Detected	21	Not Detected
Ethyl-tert-butyl ether	5.1	Not Detected	21	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	1.4	5.5	6.3
o-Xylene	1.3	Not Detected	5.5	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Naphthalene	5.1	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	81	70-130
4-Bromofluorobenzene	89	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP3-10

Lab ID#: 0803250A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031424	Date of Collection:	3/10/08
Dil. Factor:	2.47	Date of Analysis:	3/15/08 12:38 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
tert-Amyl methyl ether	4.9	Not Detected	21	Not Detected
tert-Butyl alcohol	12	Not Detected	37	Not Detected
Isopropyl ether	4.9	Not Detected	21	Not Detected
Ethyl-tert-butyl ether	4.9	Not Detected	21	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.4	Not Detected
o-Xylene	1.2	Not Detected	5.4	Not Detected
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.5	Not Detected
Napthalene	4.9	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	82	70-130
4-Bromofluorobenzene	91	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0803250A-08A

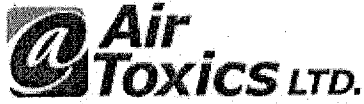
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031405	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/08 11:50 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
tert-Amyl methyl ether	2.0	Not Detected	8.4	Not Detected
tert-Butyl alcohol	5.0	Not Detected	15	Not Detected
Isopropyl ether	2.0	Not Detected	8.4	Not Detected
Ethyl-tert-butyl ether	2.0	Not Detected	8.4	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Napthalene	2.0	Not Detected	10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130
1,2-Dichloroethane-d4	80	70-130
4-Bromofluorobenzene	92	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0803250A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/08 09:51 AM

Compound	%Recovery
Methyl tert-butyl ether	121
tert-Amyl methyl ether	121
tert-Butyl alcohol	98
Isopropyl ether	102
Ethyl-tert-butyl ether	125
Benzene	126
Toluene	115
Ethyl Benzene	119
m,p-Xylene	117
o-Xylene	118
1,2-Dichloroethane	95
1,2-Dibromoethane (EDB)	119
Naphthalene	128

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	80	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0803250A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5031403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/08 10:20 AM

Compound	%Recovery
Methyl tert-butyl ether	99
tert-Amyl methyl ether	Not Spiked
tert-Butyl alcohol	Not Spiked
Isopropyl ether	Not Spiked
Ethyl-tert-butyl ether	Not Spiked
Benzene	112
Toluene	112
Ethyl Benzene	105
m,p-Xylene	104
o-Xylene	107
1,2-Dichloroethane	86
1,2-Dibromoethane (EDB)	102
Naphthalene	117

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	82	70-130
4-Bromofluorobenzene	98	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager Charlotte Evans
 Collected by: (Print and Sign) Charlotte Evans
 Company ORA Email cevans@ora-world.com
 Address 5900 Hollis St. City Emeryville State CA Zip 94608
 Phone 510-420-3351 Fax 510-420-9170

Project Info:	Turn Around Time:	<i>Lab Use Only</i>
P.O. # _____	<input type="checkbox"/> Normal	Pressurized by: _____
Project # <u>301233</u>	<input checked="" type="checkbox"/> Rush	Date: _____
Project Name <u>301233</u>	<u>48 hr</u> <i>specify</i>	Pressurization Gas: _____
		N ₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
01A	VP1-5	24393	03/10/08	12:26	For all:	-29.5	-5		
02A	VP1-10	34641	03/10/08	12:55	TPH _g by TD-3	-29	-5		
03A	VP2-5	9390	03/10/08	14:20	BTEX, M+BE, DIPE,	-29.5	-6		
04A	VP2-5 Duplicate	9331	03/10/08	14:20	TAME, TBA, ETBE,	-30	-5.5		
05A	VP2-10	9309	03/10/08	14:49	1,2-DCA, EDB, naphthalene	-29	-5		
06A	VP3-5	3315	03/10/08	15:20	by TD-15	-29	-5		
07A	VP3-10	35649	03/10/08	15:47	O ₂ , CO ₂ , CH ₄ , helium by ASTM D-1946	-29	-5		

Relinquished by: (signature) <u>CEVANS</u> Date/Time <u>03/10/08 18:10</u>	Received by: (signature) <u>ATL</u> Date/Time <u>03-12-08 0850</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>Fedex</u>		<u>NA</u>	<u>Good</u>	Yes No <u>None</u>	<u>0803250</u>



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0803250C

Work Order Summary

CLIENT:	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	BILL TO:	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	P.O. #	
FAX:	510-420-9170	PROJECT #	307233
DATE RECEIVED:	03/12/2008	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/17/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP1-5	Modified ASTM D-1946	0.0 "Hg	15 psi
01AA	VP1-5 Lab Duplicate	Modified ASTM D-1946	0.0 "Hg	15 psi
02A	VP1-10	Modified ASTM D-1946	5.0 "Hg	15 psi
03A	VP2-5	Modified ASTM D-1946	6.0 "Hg	15 psi
04A	VP2-5 Duplicate	Modified ASTM D-1946	6.0 "Hg	15 psi
05A	VP2-10	Modified ASTM D-1946	5.5 "Hg	15 psi
06A	VP3-5	Modified ASTM D-1946	6.0 "Hg	15 psi
07A	VP3-10	Modified ASTM D-1946	5.5 "Hg	15 psi
08A	Lab Blank	Modified ASTM D-1946	NA	NA
08B	Lab Blank	Modified ASTM D-1946	NA	NA
08C	Lab Blank	Modified ASTM D-1946	NA	NA
08D	Lab Blank	Modified ASTM D-1946	NA	NA
09A	LCS	Modified ASTM D-1946	NA	NA
09B	LCS	Modified ASTM D-1946	NA	NA

CERTIFIED BY: *Linda J. Furrer*

DATE: 03/17/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Conestoga-Rovers Associates (CRA)
Workorder# 0803250C

Seven 1 Liter Summa Canister (100% Certified) samples were received on March 12, 2008. The laboratory performed analysis via Modified ASTM Method D-1946 for fixed gases in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>ASTM D-1946</i>	<i>ATL Modifications</i>
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a $\geq 95\%$ accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP1-5

Lab ID#: 0803250C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	38
Carbon Dioxide	0.020	0.36
Helium	0.10	0.24

Client Sample ID: VP1-5 Lab Duplicate

Lab ID#: 0803250C-01AA

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.41	38
Carbon Dioxide	0.041	0.36
Helium	0.20	0.20

Client Sample ID: VP1-10

Lab ID#: 0803250C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	20
Carbon Dioxide	0.024	1.0

Client Sample ID: VP2-5

Lab ID#: 0803250C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	17
Carbon Dioxide	0.025	2.0

Client Sample ID: VP2-5 Duplicate

Lab ID#: 0803250C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	17
Carbon Dioxide	0.025	2.0



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP2-10

Lab ID#: 0803250C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	18
Carbon Dioxide	0.025	1.6

Client Sample ID: VP3-5

Lab ID#: 0803250C-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	17
Carbon Dioxide	0.025	2.3

Client Sample ID: VP3-10

Lab ID#: 0803250C-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	18
Carbon Dioxide	0.025	2.2



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP1-5

Lab ID#: 0803250C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031729b	Date of Collection:	3/10/08
Dil. Factor:	2.02	Date of Analysis:	3/17/08 03:01 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.20	38
Carbon Dioxide	0.020	0.36
Helium	0.10	0.24

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP1-5 Lab Duplicate

Lab ID#: 0803250C-01AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031730b	Date of Collection:	3/10/08
Dil. Factor:	4.08	Date of Analysis:	3/17/08 03:27 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.41	38
Carbon Dioxide	0.041	0.36
Helium	0.20	0.20

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP1-10

Lab ID#: 0803250C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031424b	Date of Collection:	3/10/08
Dil. Factor:	2.42	Date of Analysis:	3/14/08 03:43 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	20
Carbon Dioxide	0.024	1.0
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-5

Lab ID#: 0803250C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031422b	Date of Collection:	3/10/08
Dil. Factor:	2.53	Date of Analysis:	3/14/08 02:53 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	17
Carbon Dioxide	0.025	2.0
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-5 Duplicate

Lab ID#: 0803250C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031423b	Date of Collection:	3/10/08
Dil. Factor:	2.53	Date of Analysis:	3/14/08 03:21 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	17
Carbon Dioxide	0.025	2.0
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-10

Lab ID#: 0803250C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031421b	Date of Collection:	3/10/08
Dil. Factor:	2.47	Date of Analysis:	3/14/08 02:32 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	18
Carbon Dioxide	0.025	1.6
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP3-5

Lab ID#: 0803250C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031420b	Date of Collection:	3/10/08
Dil. Factor:	2.53	Date of Analysis:	3/14/08 02:11 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	17
Carbon Dioxide	0.025	2.3
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP3-10

Lab ID#: 0803250C-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031419b	Date of Collection:	3/10/08
Dil. Factor:	2.47	Date of Analysis:	3/14/08 01:49 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	18
Carbon Dioxide	0.025	2.2
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0803250C-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031404b	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/14/08 05:00 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0803250C-08B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031403b	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/14/08 04:02 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0803250C-08C

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031728b	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/17/08 02:37 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0803250C-08D

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031727b	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/17/08 02:13 PM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0803250C-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031427b	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/08 05:08 PM

Compound	%Recovery
Oxygen	100
Carbon Dioxide	100
Helium	108

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0803250C-09B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9031731b	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/17/08 03:53 PM

Compound	%Recovery
Oxygen	100
Carbon Dioxide	100
Helium	106

Container Type: NA - Not Applicable



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and International laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager: Charlotte Evans
 Collected by: (Print and Sign) Charlotte Evans
 Company CRA Email cevanse@craworld.com
 Address 5400 Hollis St. City Emeryville State CA Zip 94608
 Phone 510-420-3351 Fax 510-420-9170

Project Info:	Turn Around Time:	<i>Lab Use Only</i>
P.O. # _____	<input type="checkbox"/> Normal	Pressurized by: _____
Project # <u>301233</u>	<input checked="" type="checkbox"/> Rush	Date: _____
Project Name <u>301233</u>	<u>4 hr</u> <i>specify</i>	Pressurization Gas: _____
		N ₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)
01A	VP1-5	24393	03/10/08	12:26	For all:	-29.5	-5		
02A	VP1-10	34101	03/10/08	12:55	TPH by TD-3	-29	-5		
03A	VP2-5	9398	03/10/08	14:20	BTEX, MTBE, DIPE,	-29.5	-6		
04A	VP2-5 Duplicate	9337	03/10/08	14:20	TAME, TBA, BTBE,	-30	-5.5		
05A	VP2-10	9309	03/10/08	14:49	1,2-DCA, EDB, naphthalene	-29	-5		
06A	VP3-5	3395	03/10/08	15:20	by TD-15	-29	-5		
07A	VP3-10	35699	03/10/08	15:47	O ₂ , CO ₂ , CH ₄ , Nitrogen by ASTM D-1946	-29	-5		

Relinquished by: (signature) <u>CEvanse</u> Date/Time <u>03/10/08 18:10</u>	Received by: (signature) <u>ATI</u> Date/Time <u>03-12-08 0850</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name	Air Bill #	Temp. (°C)	Condition	Custody Seals intact?	Work Order #
	<u>Fedex</u>		<u>na</u>	<u>Good</u>	Yes No <u>None</u>	<u>0803250</u>



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0803250B

Work Order Summary

CLIENT:	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	BILL TO:	Ms. Charlotte Evans Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	P.O. #	
FAX:	510-420-9170	PROJECT #	307233
DATE RECEIVED:	03/12/2008	CONTACT:	Kyle Vagadori
DATE COMPLETED:	03/17/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VP1-5	Modified TO-3	0.0 "Hg	15 psi
02A	VP1-10	Modified TO-3	5.0 "Hg	15 psi
03A	VP2-5	Modified TO-3	6.0 "Hg	15 psi
04A	VP2-5 Duplicate	Modified TO-3	6.0 "Hg	15 psi
05A	VP2-10	Modified TO-3	5.5 "Hg	15 psi
06A	VP3-5	Modified TO-3	6.0 "Hg	15 psi
07A	VP3-10	Modified TO-3	5.5 "Hg	15 psi
08A	Lab Blank	Modified TO-3	NA	NA
09A	LCS	Modified TO-3	NA	NA

CERTIFIED BY: *Sandra J. Freeman*
 Laboratory Director

DATE: 03/17/08

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
 NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-3
Conestoga-Rovers Associates (CRA)
Workorder# 0803250B

Seven 1 Liter Summa Canister (100% Certified) samples were received on March 12, 2008. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system. The TPH (Gasoline Range) results are calculated using the response factor of Gasoline. A molecular weight of 100 is used to convert the TPH (Gasoline Range) ppbv result to ug/m³.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-3</i>	<i>ATL Modifications</i>
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch \leq 20 samples
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation $DL = A + 3.3S$, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: VP1-5

Lab ID#: 0803250B-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	50	230	210	940

Client Sample ID: VP1-10

Lab ID#: 0803250B-02A

No Detections Were Found.

Client Sample ID: VP2-5

Lab ID#: 0803250B-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	63	120	260	500

Client Sample ID: VP2-5 Duplicate

Lab ID#: 0803250B-04A

No Detections Were Found.

Client Sample ID: VP2-10

Lab ID#: 0803250B-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	62	110	250	450

Client Sample ID: VP3-5

Lab ID#: 0803250B-06A

No Detections Were Found.

Client Sample ID: VP3-10

Lab ID#: 0803250B-07A

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP1-5

Lab ID#: 0803250B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031416	Date of Collection:	3/10/08
Dil. Factor:	2.02	Date of Analysis:	3/14/08 01:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	50	230	210	940

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	83	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP1-10

Lab ID#: 0803250B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031417	Date of Collection:	3/10/08
Dil. Factor:	2.42	Date of Analysis:	3/14/08 01:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	60	Not Detected	250	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	84	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-5

Lab ID#: 0803250B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031418	Date of Collection:	3/10/08
Dil. Factor:	2.53	Date of Analysis:	3/14/08 02:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	63	120	260	500

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	84	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-5 Duplicate

Lab ID#: 0803250B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031419	Date of Collection:	3/10/08
Dil. Factor:	2.53	Date of Analysis:	3/14/08 02:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	63	Not Detected	260	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	84	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP2-10

Lab ID#: 0803250B-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031420	Date of Collection:	3/10/08
Dil. Factor:	2.47	Date of Analysis:	3/14/08 03:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	62	110	250	450

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	84	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP3-5

Lab ID#: 0803250B-06A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031421	Date of Collection:	3/10/08	
Dil. Factor:	2.53	Date of Analysis:	3/14/08 03:59 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	63	Not Detected	260	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	82	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP3-10

Lab ID#: 0803250B-07A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031422	Date of Collection:	3/10/08
Dil. Factor:	2.47	Date of Analysis:	3/14/08 04:29 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	62	Not Detected	250	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	84	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0803250B-08A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031406	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	3/14/08 08:05 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	84	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0803250B-09A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	6031427	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/14/08 07:14 PM

Compound	%Recovery	
TPH (Gasoline Range)	90	
Container Type: NA - Not Applicable		
Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	111	75-150



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and International laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager: Charlotte Evans
 Collected by: (Print and Sign) Charlotte Evans
 Company: CRA Email: cevanse@craworld.com
 Address: 5400 Hollis St. City: Emeryville State: CA Zip: 94608
 Phone: 510-420-3351 Fax: 510-420-9170

Project Info:	Turn Around Time:	Lab Use Only
	P.O. # _____	Pressurized by: _____
	Project # <u>301233</u>	Date: _____
Project Name: <u>301233</u>	<input type="checkbox"/> Normal	Pressurization Gas: _____
	<input checked="" type="checkbox"/> Rush	<u>N₂</u> He
	<u>BNV</u> <small>specify</small>	

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final use
01A	VP1-5	24293	03/10/08	12:26	For all:	-29.5	-5		
02A	VP1-10	34641	03/10/08	12:55	TPH by TD-3	-29	-5		
03A	VP2-5	9398	03/10/08	14:20	BTEX, M+BE, DIPE,	-29.5	-6		
04A	VP2-5 Duplicate	9337	03/10/08	14:20	TAME, TBA, BTBE,	-30	-5.5		
05A	VP2-10	9309	03/10/08	14:49	1,2-DCA, EDB, naphthalene	-29	-5		
06A	VP3-5	3295	03/10/08	15:20	by TD-15	-29	-5		
07A	VP3-10	35649	03/10/08	15:47	O ₂ , CO ₂ , CH ₄ , helium by ASTM D-1946	-29	-5		

Relinquished by: (signature) <u>DeVanno</u> Date/Time <u>03/10/08 18:10</u>	Received by: (signature) <u>ATI</u> Date/Time <u>03-12-08 0850</u>	Notes:
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	
Relinquished by: (signature) _____ Date/Time _____	Received by: (signature) _____ Date/Time _____	

Lab Use Only	Shipper Name: <u>Fedex</u>	Air Bill #	Temp (°C): <u>13</u>	Condition: <u>Good</u>	Custody Seals intact? <u>None</u>	Work Order #: <u>0803250</u>
--------------	----------------------------	------------	----------------------	------------------------	-----------------------------------	------------------------------