



RECEIVED

1:43 pm, Mar 06, 2009

**Alameda County
Environmental Health**

Ian Robb
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-2375
Fax (925) 543-2324
irobbs@chevron.com

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

Re: Former Texaco Service Station No. 30-7233
2259 First Street
Livermore, CA

I have reviewed the attached report dated March 5, 2009.

I agree with the conclusions and recommendations presented in the referenced report. This information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This workplan was prepared by Conestoga Rovers Associates, upon who 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,

A handwritten signature in blue ink, appearing to read "I. Robb".

Ian Robb
Project Manager

Attachment: Report



SUBSURFACE INVESTIGATION REPORT

**FORMER TEXACO SERVICE STATION (CHEVRON SITE 30-7233),
2259 FIRST STREET, LIVERMORE, CALIFORNIA
RO #2908**

Prepared For:

**Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502**

**MARCH 5, 2009
REF. NO. 312264 (1)**

This report is printed in recycled paper

**Prepared by:
Conestoga-Rovers
& Associates**

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: <http://www.CRAworld.com>

TABLE OF CONTENTS

1.0 INTRODUCTION1
1.1 GENERAL1
1.2 SITE BACKGROUND1
1.3 SITE GEOLOGY AND HYDROGEOLOGY1
1.4 ENVIRONMENTAL SUMMARY2

2.0 CURRENT INVESTIGATION3

3.0 SOIL VAPOR RE-SAMPLING6

4.0 HYDROCARBON DISTRIBUTION7
4.1 HYDROCARBON DISTRIBUTION IN SOIL7
4.2 HYDROCARBON DISTRIBUTION IN GROUNDWATER7
4.3 HYDROCARBON DISTRIBUTION IN SOIL VAPOR8

5.0 LEAD DISTRIBUTION IN SOIL9

6.0 CLOSING10

LIST OF FIGURES
(Following Text)

FIGURE 1	SITE VICINITY MAP
FIGURE 2	SITE PLAN

LIST OF TABLES
(Following Text)

TABLE 1	SOIL ANALYTICAL DATA
TABLE 2	SOIL PHYSICAL PARAMETER DATA
TABLE 3	GRAB-GROUNDWATER ANALYTICAL DATA
TABLE4	SOIL VAPOR ANALYTICAL DATA

LIST OF APPENDICES

APPENDIX A	REGULATORY CORRESPONDENCE
APPENDIX B	SITE HISTORY
APPENDIX C	PERMITS
APPENDIX D	BORING LOGS
APPENDIX E	GREGG CPT SITE INVESTIGATION REPORT
APPENDIX F	LABORATORY ANALYTICAL REPORTS FOR SOIL AND GRAB-GROUNDWATER
APPENDIX G	LABORATORY ANALYTICAL REPORTS FOR VAPOR

1.0 INTRODUCTION

1.1 GENERAL

Conestoga-Rovers & Associates (CRA) is submitting this *Subsurface Investigation Report* on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. CRA conducted this investigation in response to Alameda County Environmental Health (ACEH) letters dated May 9 and August 22, 2008 (Appendix A). The objective of the investigation was to further delineate petroleum hydrocarbons vertically and horizontally beneath the site. CRA presented the results of a previous subsurface investigation in a March 27, 2008 *Subsurface Investigation Report and Well Installation Workplan*. This report combines the results from both investigations. Site background information, current investigation procedures, investigation results and CRA's conclusions and recommendations are presented below.

1.2 SITE BACKGROUND

The former service station site is the location of Mill Square Park, owned by the City of Livermore and located on the east corner of First Street and South 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. Land use surrounding the park is primarily commercial.

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.

1.3 SITE GEOLOGY AND HYDROGEOLOGY

Site Geology: According to the Groundwater Management Plan prepared by the Zone 7 Water Agency (Zone 7) and dated September, 2005, the site is located in the Mocho II Sub-Basin of the Main Livermore-Amadore Valley Groundwater Basin. In this basin, recent alluvium consisting of sandy gravel and sandy clayey gravel are encountered

from the surface to approximately 150 fbg. This alluvium overlies the Livermore Formation basement. At the site silty sand, silty gravel and sandy gravel were encountered from the surface to roughly 9 feet below grade (fbg). Underlying silts and clays were encountered to approximately 45 fbg. Predominately sands and gravels were encountered from approximately 45 fbg to 80 fbg, the total depth explored.

Site Hydrogeology: According to the Groundwater Management Plan prepared by the Zone 7 Water Agency (Zone 7) and dated September, 2005, the site is located in the Mocho II Sub-Basin of the Main Livermore-Amadore Valley Groundwater Basin. Zone 7 Water Agency extracts groundwater from this basin for municipal drinking water. Groundwater in this sub-basin typically flows westward. Based on data reported from four service stations in the area currently monitored quarterly, groundwater flow direction is west to northwest. Fluctuations of groundwater elevation of approximately 10 to >30 feet have been reported in the monitoring wells at these nearby sites.

1.4 ENVIRONMENTAL SUMMARY

To date, a total of 31 soil borings and 6 soil vapor probes have been installed at the site. Remedial activities consisted of the removal of three orphaned underground storage tanks (UST). A chronological summary of activities conducted to date at the site is presented as Appendix B.

2.0 CURRENT INVESTIGATION

In response to an ACEH request, CRA conducted an additional investigation in October and November of 2008 to further delineate the vertical and horizontal extent of petroleum hydrocarbons at the site. CRA advanced cone penetration testing (CPT) borings CPT3 and CPT4 in South Livermore Avenue, CPT5 in First Avenue and soil borings SB10 through SB12 within the park (Figure 2). CPT6 could not be advanced as proposed due to access agreement issues with the property owners. CPT borings were advanced to approximately 80 feet below grade (fbg) except where refusal limited depth to 60 fbg. Hollow-stem auger borings were advanced to a maximum depth of 65 fbg. CRA re-sampled soil vapor probe VP1 to confirm previous soil vapor data. The investigation procedures and results are presented below.

Project Personnel: Ian Hull, Sarah McNaboe, Charlotte Evans and Belew Yifru conducted all fieldwork under the supervision of California Professional Geologist Brandon S. Wilken, P.G. #7564.

Permits: Work was performed under Zone 7 permit #28139 and City of Livermore Encroachment permit EN080382 (Appendix C).

Drilling Company: Gregg Drilling & Testing, Inc. (Gregg) of Martinez, California (C57 license #485165) advanced the CPT and soil borings.

Subsurface Clearance: CRA notified Underground Service Alert to coordinate the location of underground utilities near the site. CRA also hired a private utility locator to confirm utility locations and locate any unmarked utilities. The first 8 feet of each boring were cleared using hand-augers and an air-knife- and water-knife-equipped vacuum truck.

Drill Dates: Boring locations were utility cleared on October 23, 24 and 31, 2008. Gregg drilling advanced the soil borings on November 3 through 5, 2008. CRA collected soil vapor samples on November 11, 2008.

Soil Borings: Soil borings SB10 through SB12 were advanced within the park to depths ranging from 61.5 to 62.5 fbg. These borings were advanced with a 5-inch diameter hollow stem auger. CRA geologists continuously logged soil according to the Unified Soil Classification System (USCS) ASTM D-2487 guidelines and screened soils with a PID. Soil samples were collected at least every 10 feet, starting from 5 fbg. Additional samples were collected when distinct changes in soil type were encountered or when field screening indicated potential hydrocarbon impact. Groundwater was first

encountered and grab-groundwater samples were collected at approximately 50 fbg in borings SB10 through SB12. All soil boring locations are shown on Figure 2. Boring logs are presented as Appendix D.

CPT Borings: Boring CPT3 was advanced adjacent to former fuel USTs removed in 2007 along South Livermore Avenue. Boring CPT3 could only be advanced to 60 fbg due to refusal. CPT5 was advanced offsite to 80 fbg, adjacent to the park and in the expected downgradient direction. CPT4 was advanced farther downgradient to 80 fbg. CRA attempted to collect multiple grab-groundwater samples from water-bearing zones indentified by the CPT. Only one of the three attempted depths in CPT3 produced adequate groundwater. Two depth-discrete groundwater samples were collected from CPT4 and CPT5. Soil samples were collected at the capillary fringe zone, at intervals of distinct change in soil type and where hydrocarbon impacts could have been trapped. Soil samples were screened for organic vapors using a photoionization detector (PID). All CPT boring locations are shown on Figure 2. Gregg's CPT Site Investigation Report, including CPT logs and sample depths, is included as Appendix E.

Sample Collection and Handling: Soil and grab-groundwater samples were labeled, placed on ice and transported to a Chevron-approved laboratory under proper chain-of-custody. Each soil sample was covered with Teflon™ tape and capped with a polyethylene lid. Upon completion, all borings and CPT holes were backfilled to grade with Portland type I/II grout using a tremie pipe and patched to match the existing surface.

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

- Total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd) with silica gel cleanup and motor oil (TPHmo) by EPA Method 8015B modified; and
- 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.

Table 1 presents analytical results for soil from both investigations. Table 2 presents soil physical parameter data. Table 3 presents analytical results for grab-groundwater from both investigations. Laboratory analytical reports for soil and grab-groundwater are included in Appendix F.

Soil and Water Disposal: Soil cuttings and rinse water produced during the investigation were temporarily stored onsite in properly labeled 55-gallon drums. Following review of analytical results, the waste was transported to an appropriate Chevron and State-approved facility for disposal.

3.0 SOIL VAPOR RE-SAMPLING

Due to elevated oxygen concentrations in soil vapor probe VP1-5, CRA re-sampled both VP1 probes (VP1-5 and VP1-10). Samples from the vapor points were collected using flow meters set at 167 milliliters/minute and one-liter Summa™ canisters connected directly to the tubing at each vapor probe. A closed circuit sampling train was created by attaching the sample Summa™ canister in series with the purge Summa™ canister via a steam-cleaned stainless-steel manifold. A “shut-in” test was performed prior to collecting vapor samples. This test was performed by sealing all openings to ambient air, opening the purge Summa™ to establish a vacuum inside the sampling train and waiting to ensure the vacuum remained stable over time. The shut-in test reduces the potential for ambient air to enter the Summa™ canisters and potential bias of the results. Then an appropriate volume of stagnant air in the vapor probe tubing was purged so the sample would be representative of actual soil concentrations. After purging, the sample Summa™ canister valve was opened. The vacuum of the Summa™ canister was used to draw soil vapor through the flow controller and into the sample canister until a negative pressure of approximately 5 inches of mercury 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. Laboratory grade helium was used for leak detection to determine if ambient air was entering the Summa™ canisters during sampling. A shroud was used to surround the vapor sampling equipment and the connection between the sampling equipment and the vapor probe tubing. A helium detector was also placed inside the shroud to quantify helium concentrations inside the shroud. An atmosphere of at least 80 percent helium was created and maintained for the duration of vapor sampling. Helium was not detected in any of the samples. After sampling, the Summa™ canisters were packaged and sent to Air Toxics laboratory under chain-of-custody for analysis.

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
- Oxygen (O₂), carbon dioxide (CO₂), methane (CH₄) and helium by ASTM D-1946 (GC/TCD).

Table 4 presents cumulative analytical results for vapor. Laboratory analytical reports for vapor are included in Appendix G.

4.0 HYDROCARBON DISTRIBUTION

Results of the January/February 2008 investigation were included with the results of the October/November 2008 investigation for discussion purposes.

4.1 HYDROCARBON DISTRIBUTION IN SOIL

In the onsite soil borings, TPHmo and TPHd were not detected above environmental screening levels¹ (ESLs) in any soil sample. Maximum concentrations of TPHg and benzene were detected at 1,300 milligrams per kilogram (mg/kg) and 1.1 mg/kg, respectively, in SB12 at 55.5 fbg. No benzene or oxygenates were detected above ESLs, except for 3.7 mg/kg xylenes in SB12 at 55.5 fbg.

In the offsite CPT borings, TPHmo and TPHd were not detected above ESLs in any soil sample. TPHg was only detected above ESLs in CPT1 at 36 fbg at 100 mg/kg. No BTEX or fuel oxygenates were detected above ESLs.

4.2 HYDROCARBON DISTRIBUTION IN GROUNDWATER

In the onsite soil borings, TPHmo was only detected in SB9 at 450 micrograms per liter (µg/L). CRA was unable to analyze for TPHmo from SB8 due to lack of sufficient groundwater for sampling purposes. Maximum concentrations of TPHd were detected in SB11 at 20,000 µg/L and of TPHg at 52,000 µg/L in SB8. Maximum concentrations of benzene, ethylbenzene, and xylenes were detected in SB12 at 190 µg/L, 100 µg/L, and 220 µg/L, respectively. TBA was only detected in SB7 at 16 µg/L. No toluene or other fuel oxygenate was detected above ESLs.

In the offsite CPT borings, a maximum TPHmo concentration of 4,500 µg/L was detected in CPT3 at 56 fbg. A maximum TPHd concentration of 43,000 µg/L was detected in CPT5 at 55 fbg. TPHmo and TPHd were detected in all CPT borings. TPHg was detected at a maximum concentration of 47,000 µg/L in CPT1 at 42 fbg. BTEX was detected at maximum concentrations of 200 µg/L, 140 µg/L, 740 µg/L, and 1,100 µg/L, respectively, in CPT3 at 56 fbg. No MTBE or other fuel oxygenates were detected in any CPT grab-groundwater sample.

¹ Regional Water Quality Control Board – San Francisco Bay Region’s (RWQCB) Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final November 2007, Revised May 2008.

4.3 HYDROCARBON DISTRIBUTION IN SOIL VAPOR

Soil gas was collected from VP1 through VP3 from the probes at 5 and 10 fbg. ACEH 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 in any of the vapor samples. All other constituents were either not detected 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 percent. 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. CRA re-sampled VP1 at 5 and 10 fbg and obtained soil vapor oxygen concentrations below atmospheric concentrations. TPHg was only detected at 260 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in VP1 at 10 fbg, an increase from the previous sampling. No TPHg was detected in VP1 at 5 fbg, a decrease from the previous sampling. No benzene was detected in either sample. No other constituents, included chlorinated solvents, were detected above ESLs.

5.0 LEAD DISTRIBUTION IN SOIL

ACEH requested multiple shallow soil samples (less than 10 fbg) be analyzed for lead, based on a previous *Soils and Groundwater Investigation Report* dated January 6, 2004 and 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. To assess current lead concentrations in soil, CRA analyzed samples collected from 18 locations, ranging in depth from 1.5 fbg to 39.5 fbg. Reported concentrations were compared to direct exposure screening levels¹ (DESLs). Within the top 1.5 fbg, where the greatest potential for soil contact would occur, lead was detected at a maximum concentration of 189 mg/kg, below the DESL of 260 mg/kg for residential exposure (Table K-1). From 2.5 fbg 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).

6.0 CLOSING

Prior to providing any conclusions or recommendations, Chevron and CRA would like to complete the proposed scope of work for this investigation and obtain all necessary data to properly assess site conditions. Once access to this property is granted, the work will be performed and the results incorporated into a final report that will include recommendations as needed.

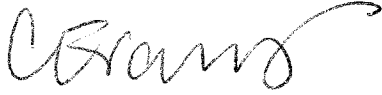
Chevron and CRA will continue to attempt to gain access to the adjacent property. Below is a detailed account listing our efforts to date.

- An access agreement was forwarded to the owners on September 23, 2008.
- Repeated attempts were made by phone to contact the owners regarding the access agreement in October 2008 and November 2008.
- In late November 2008, CRA was able to speak to one of the property owners. She stated that she would be forwarding the access agreement to the other owner, who lives out of state.
- In January 2009, two more attempts were made by phone to contact the property owner.
- On January 27, 2009, the property owners contacted Chevron with queries and requested revisions to the original access agreement.
- On February 9, 2009, and again on February 23, 2009, Chevron responded to the owner's queries and requests.
- On March 3, 2009, one of the owners emailed Chevron and stated that he was traveling due to a family emergency. He would respond to Chevron in mid-March, when he expects to return home.

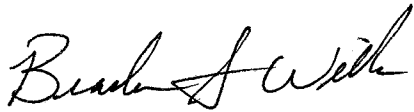
Chevron and CRA are pursuing access as diligently as possible. If the schedule is unacceptable to ACEH, then your involvement may be helpful in expediting the process.

All of Which is Respectfully Submitted,

CONESTOGA-ROVERS & ASSOCIATES



Charlotte Evans



Brandon S. Wilken, P.G. #7564



FIGURES

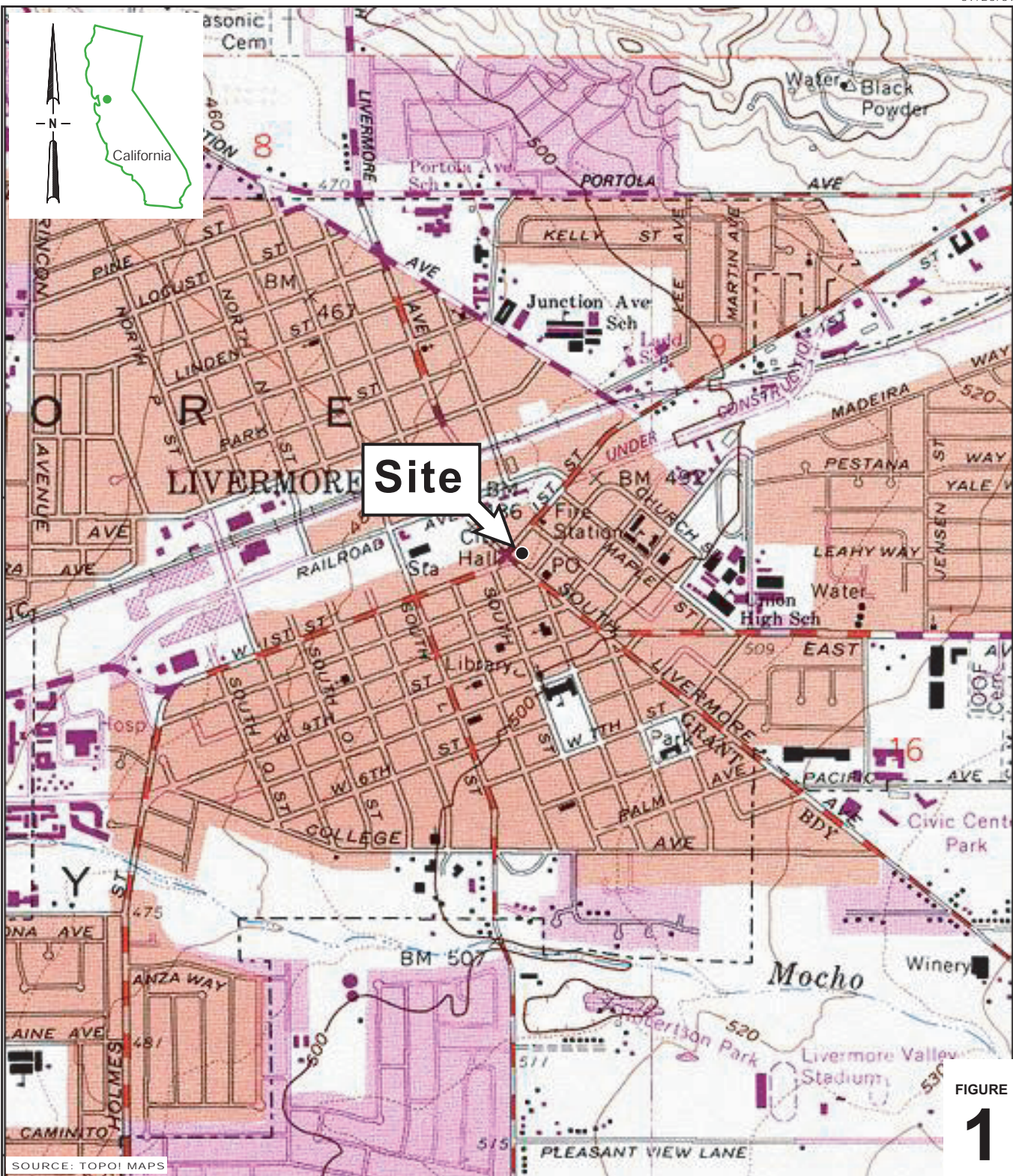


FIGURE 1

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

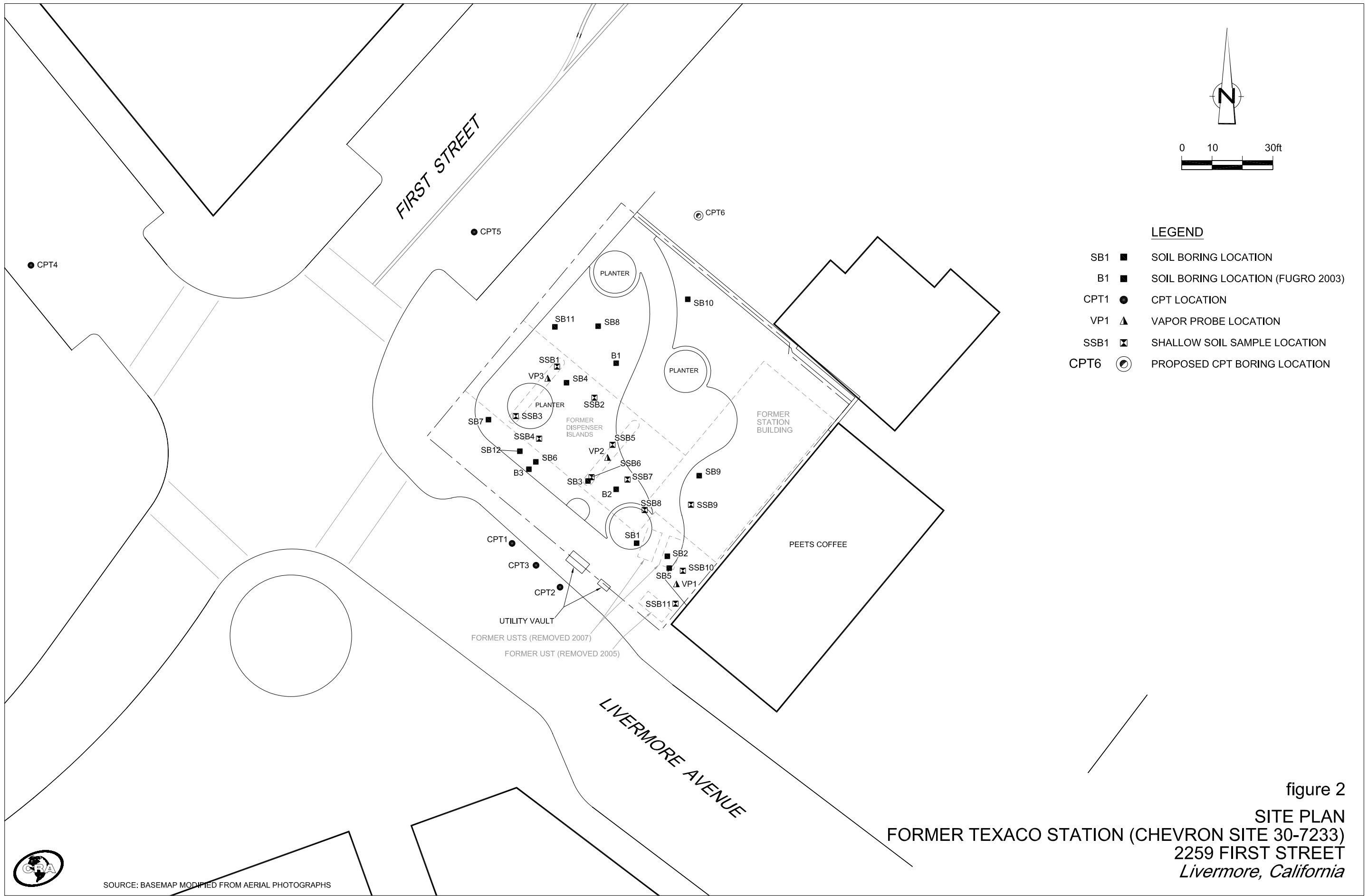
SOURCE: TOPOI MAPS

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



CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map



LEGEND

- SB1 ■ SOIL BORING LOCATION
- B1 ■ SOIL BORING LOCATION (FUGRO 2003)
- CPT1 ● CPT LOCATION
- VP1 ▲ VAPOR PROBE LOCATION
- SSB1 ☒ SHALLOW SOIL SAMPLE LOCATION
- CPT6 ⊙ PROPOSED CPT BORING LOCATION

figure 2

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



SOURCE: BASEMAP MODIFIED FROM AERIAL PHOTOGRAPHS

TABLES

TABLE 1

**SOIL ANALYTICAL DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPH _{mo}	TPH _d	TPH _g	Benzene	Toluene	Ethyl-	Total	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Pb
								benzene	Xylenes								
<i>Reported in milligrams per kilogram (mg/kg)</i>																	
<i>ESLs - Shallow Soil</i>		--	2500	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
<i>ESLs - Deep Soil</i>		--	5000	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
CPT1	02/05/08	21	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
CPT1	02/05/08	36	380	100	1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
CPT2	02/04/08	22	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
CPT2	02/04/08	30	<10	27	4.4	<0.026	<0.052	1.1	0.18	<0.026	<1.0	<0.052	<0.052	<0.052	<0.052	<0.052	--
CPT2	02/04/08	35	<12	<4.0	1.3	0.0009	<0.001	<0.001	0.002	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
CPT3	11/04/08	18.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--
CPT3	11/04/08	35.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--
CPT3	11/04/08	55.5	<10	7.1	52	<0.024	<0.047	<0.047	<0.047	<0.024	<0.95	<0.047	<0.047	<0.047	<0.047	<0.047	--
CPT4	11/05/08	50	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
CPT5	11/03/08	51.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB6	01/28/08	1-8*	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	6.13
SB6	01/28/08	9.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	6.39
SB6	01/28/08	19.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	5.79
SB6	01/28/08	24	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	10.90
SB7	01/28/08	1-8*	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	8.57
SB7	01/30/08	9.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	8.30
SB7	01/30/08	19.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	4.70
SB7	01/30/08	29.5	<10	<4.0	3.7	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	10.50

TABLE 1

**SOIL ANALYTICAL DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-	Total	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Pb
								benzene	Xylenes								
<i>Reported in milligrams per kilogram (mg/kg)</i>																	
<i>ESLs - Shallow Soil</i>		--	2500	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
<i>ESLs - Deep Soil</i>		--	5000	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
SB7	01/30/08	34.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	11.60
SB8	01/28/08	1-8*	53	18	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	21.90
SB8	01/31/08	19.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	10.30
SB8	01/31/08	29.5	<10	<4.0	1.2	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	8.29
SB8	01/31/08	34.5	<10	67	530	<0.027	<0.054	0.10	<0.054	<0.027	<1.1	<0.054	<0.054	<0.054	<0.054	<0.054	7.86
SB8	01/31/08	39.5	<10	<4.0	<1.0	0.007	0.002	0.015	0.007	0.039	0.034	<0.001	<0.001	<0.001	<0.001	<0.001	8.93
SB9	01/28/08	1-8*	32	13	1.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	13.50
SB9	01/29/08	15	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	6.36
SB9	01/29/08	27.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	7.92
SB9	01/29/08	34.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	12.30
SB9	01/29/08	46.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	9.34
SB9	01/29/08	54.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001	5.77
SB10	10/23/08	5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB10	11/04/08	16	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB10	11/04/08	26	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB10	11/04/08	36	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.018	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	--
SB10	11/04/08	46	<10	4.2	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB10	11/04/08	56	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB10	11/04/08	62	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--

TABLE 1

**SOIL ANALYTICAL DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPH _{mo}	TPH _d	TPH _g	Benzene	Toluene	Ethyl-	Total	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Pb
								benzene	Xylenes								
Reported in milligrams per kilogram (mg/kg)																	
ESLs - Shallow Soil		--	2500	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
ESLs - Deep Soil		--	5000	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
SB11	10/24/08	5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB11	11/03/08	11	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB11	11/03/08	16	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB11	11/03/08	26	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB11	11/03/08	36	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB11	11/03/08	45.5	<10	<4.0	59	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.018	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	--
SB11	11/03/08	50.5	<10	25	59	<0.023	<0.045	<0.045	<0.045	<0.023	<0.91	<0.045	<0.045	<0.045	<0.045	<0.045	--
SB11	11/03/08	56	<10	45	98	<0.023	<0.047	<0.047	<0.047	<0.023	<0.94	<0.047	<0.047	<0.047	<0.047	<0.047	--
SB11	11/03/08	61	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB12	10/24/08	5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB12	11/03/08	15.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB12	11/03/08	25.5	<10	<4.0	120	<0.023	<0.046	<0.046	<0.046	<0.023	<0.91	<0.046	<0.046	<0.046	<0.046	<0.046	--
SB12	11/03/08	30	<10	34	58	<0.024	<0.047	<0.047	<0.047	<0.024	<0.94	<0.047	<0.047	<0.047	<0.047	<0.047	--
SB12	11/03/08	35.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB12	11/03/08	45.5	<10	<4.0	1.3	0.0007	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	--
SB12	11/03/08	50.5	<10	65	1,200	<0.023	<0.046	<0.046	<0.046	<0.023	<0.92	<0.046	<0.046	<0.046	<0.046	<0.046	--
SB12	11/03/08	55.5	<10	55	1,300	1.1	0.15	2.0	3.7	<0.024	<0.97	<0.049	<0.049	<0.049	<0.049	<0.049	--
SB12	11/03/08	60.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	--
SSB1	02/01/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.52
SSB1	02/01/08	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52.90
SSB1	02/01/08	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.34

TABLE 1

**SOIL ANALYTICAL DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-	Total	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Pb
								benzene	Xylenes								
Reported in milligrams per kilogram (mg/kg)																	
ESLs - Shallow Soil		--	2500	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
ESLs - Deep Soil		--	5000	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
SSB2	01/28/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.40
SSB2	01/30/08	2.5	--	11	1.2	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	40.60
SSB2	01/30/08	4.5	--	4.4	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001	15.00
SSB2	01/30/08	8	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	7.45
SSB3	01/30/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	42.80
SSB3	02/06/08	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52.40
SSB3	02/06/08	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	42.20
SSB4	02/01/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.20
SSB4	02/01/08	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	517.00
SSB4	02/01/08	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	616.00
SSB4	02/01/08	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90.80
SSB5	02/06/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.20
SSB5	02/06/08	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47.50
SSB5	02/06/08	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	117.00
SSB5	02/06/08	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63.50
SSB6	02/06/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.30
SSB6	02/06/08	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98.90
SSB7	02/06/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.00
SSB7	02/06/08	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.73
SSB7	02/06/08	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.60
SSB7	02/06/08	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.97

TABLE 1

**SOIL ANALYTICAL DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-	Total	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Pb
								benzene	Xylenes								
Reported in milligrams per kilogram (mg/kg)																	
<i>ESLs - Shallow Soil</i>		--	2500	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
<i>ESLs - Deep Soil</i>		--	5000	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
SSB8	02/01/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	168.00
SSB8	02/01/08	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160.00
SSB8	02/01/08	9.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	33.80
SSB9	02/06/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	189.00
SSB9	02/06/08	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.00
SSB9	02/06/08	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.24
SSB9	02/06/08	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.36
SSB10	01/31/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	38.90
SSB10	02/06/08	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67.20
SSB10	02/06/08	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.00
SSB10	02/06/08	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.34
SSB11	02/06/08	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.67
SSB11	02/06/08	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.86
SSB11	02/06/08	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.90
SSB11	02/06/08	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.62
VP1	02/01/08	4.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001	6.10
VP1	02/01/08	8	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	9.03
VP2	02/01/08	4.5	54	25	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.018	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	75.40
VP2	02/01/08	9.5	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009	15.60
VP3	02/01/08	4.5	<10	<4.0	1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	6.12
VP3	02/01/08	8	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001	4.22

TABLE 1

**SOIL ANALYTICAL DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Pb
ESLs - Shallow Soil		--	2500	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750
ESLs - Deep Soil		--	5000	83	83	0.044	2.9	3.3	2.3	0.023	0.075	--	--	--	0.0045	0.00033	750

Notes:

Total petroleum hydrocarbons as motor oil (TPHmo) analyzed by EPA Method 8015B modified unless otherwise noted.

Total petroleum hydrocarbons as diesel (TPHd) analyzed by EPA Method 8015B with silica gel cleanup unless otherwise noted.

Total petroleum hydrocarbons as gasoline (TPHg) analyzed by EPA Method 8015B modified unless otherwise noted.

Benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tertiary-butyl ether (MTBE); t-butyl alcohol (TBA); di-isopropyl ether (DIPE); ethyl tertiary-butyl ether (ETBE); t-amyl methyl ether (TAME); 1,2-dichloroethane (1,2-DCA); 1,2-dibromoethane (EDB) analyzed by EPA Method 8260B, except where noted otherwise.

Pb = lead analyzed by EPA method 6010B.

fbg = feet below grade.

ESLs - Shallow Soil = Environmental Screening Levels for soil < 3m bgs in a commercial setting (Table A) from *Environmental Screening for Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board - San Francisco Bay Regional Interim Final November 2007, Revised May 2008.

ESLs - Deep Soil = Environmental Screening Levels for soil > 3m bgs in a commercial setting (Table C) in the above document.

<x = Not detected at reporting limit x.

TABLE 2

**SOIL PHYSICAL PARAMETER DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

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

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

TABLE 3

**GRAB-GROUNDWATER ANALYTICAL DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

Sample ID	Date	Sample Depth (fbg)	TPH _{mo}	TPH _d	TPH _g	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB
<i>ESLs - Groundwater</i>	--	--	100	100	100	1	40	30	20	5	12	--	--	--	0.5	0.05
CPT1	02/05/08	42	1,500	3,300	47,000	5	2	3	2	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
CPT2	02/04/08	31	1,500	4,100	10,000	14	2	57	110	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
CPT3	11/04/08	56	4,500	36,000	29,000	200	140	740	1,100	<1	<4	<1	<1	<1	<1	<1
CPT4	11/05/08	54	720	400	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
CPT4	11/05/08	60	1,400	490	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
CPT5	11/03/08	55	510	43,000	2,500	<0.5	<0.5	1	0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
CPT5	11/03/08	68	<400	340	70	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
SB6	01/30/08	22	<400	110	300	3	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
SB7	01/30/08	31	<400	3,000	6,400	<0.5	<0.5	<0.5	<0.5	<0.5	16	<0.5	<0.5	<0.5	<0.5	<0.5
SB8	01/31/08	34	***	18,000	52,000	<1	<1	8	2	<1	<4	<1	<1	<1	<1	<1
SB9	01/29/08	55	450	1,000	490	<0.5	<0.5	<0.5	0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
SB10	11/04/08	50	<400	<320	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
SB11	11/03/08	50	<400	20,000	9,000	<0.5	3	17	150	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
SB12	11/03/08	50	<400	4,000	5,500	190	15	100	220	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 3

GRAB-GROUNDWATER ANALYTICAL DATA
 FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
 2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Sample Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB

Notes:

Total petroleum hydrocarbons as motor oil (TPHmo) analyzed by EPA Method 8015B modified.

Total petroleum hydrocarbons as diesel (TPHd) analyzed by EPA Method 8015B with silica gel cleanup.

Total petroleum hydrocarbons as gasoline (TPHg) analyzed by EPA Method 8015B modified.

Benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tertiary-butyl ether (MTBE); t-butyl alcohol (TBA); di-isopropyl ether (DIPE); ethyl tertiary-butyl ether (ETBE); t-amyl methyl ether (TAME); 1,2-dichloroethane (1,2-DCA); 1,2-dibromoethane (EDB)

fbg = feet below grade.

ESLs - Groundwater = Environmental Screening Levels for groundwater that is a current or potential source of drinking water (Table A) from *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board - San Francisco Bay Region Interim Final November 2007, Revised May 2008.

<x = Not detected at reporting limit x.

TABLE 4

**SOIL VAPOR ANALYTICAL DATA
FORMER TEXACO SERVICE STATION (CHEVRON SITE #30-7233)
2259 FIRST STREET, LIVERMORE, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes ¹	Reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)								VOCs	Reported in % Volume		
								MTBE	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA	Naphalene		Helium	Oxygen	CO ₂
ESLs - Soil Gas	--	--	29,000	280	180,000	580,000	58,000	--	--	--	--	--	14	310	240	--	--	--	--
VP1-5	03/10/08	5 - 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
VP1-5	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
VP1-5	11/07/08	5 - 5.5	<250	<3.9	<4.6	<5.2	<5.2	<4.4	<15	<20	<20	<20	<9.3	<4.9	<25	ND	<0.12	19	2.5
VP1-5	LAB DUPLICATE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.12	19	2.5
VP1-10	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
VP1-10	11/07/08	9.5 - 10	260	<3.7	<4.4	<5.0	6.5	<4.2	<14	<19	<19	<19	<9.0	<4.7	<24	SEE LAB ANALYTICAL	<0.12	19	2.1
VP1-10 Duplicate	11/07/08	9.5 - 10	270	<3.8	<4.5	<5.2	<5.2	<4.3	<14	<20	<20	<20	<9.1	<4.8	<25	SEE LAB ANALYTICAL	<0.12	19	2.1
VP1-10 Duplicate	LAB DUPLICATE	--	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP2-5	03/10/08	5 - 5.5	500	<4.0	19	6.4	31	<4.6	<38	<21	<21	<21	<9.7	<5.1	<26	--	<0.13	17	2
VP2-5 DUP	03/10/08	5 - 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
VP2-10	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
VP3-5	03/10/08	5 - 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
VP3-10	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

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 modified ASTM D-1946

fbg = Feet below grade

ESLs - Soil Gas = Environmental Screening Levels for shallow soil gas in commercial/industrial land (Table E-2) from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board - San Francisco Bay Region Interim Final 2007, Revised May 2008.

<X = Not detected above laboratory method detection limit x

ND = Not detected above various laboratory method detection limits

-- = not analyzed or not applicable

1 = Values for highest value of Xylenes detected.

APPENDIX A

REGULATORY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director

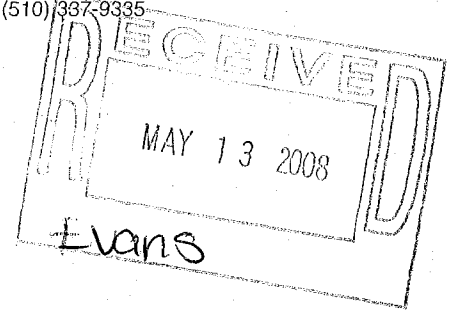


ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

May 9, 2008

Mr. Ian Robb
Chevron Environmental Management Company
6001 Bollinger Canyon Road
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. Robb 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, "*Subsurface Investigation Report and Well Installation Workplan*," dated March 27, 2008, which was prepared on behalf of Chevron by Conestoga-Rovers & Associates. The "*Subsurface Investigation Report and Well Installation Workplan*," presents the results of soil, soil vapor, and grab groundwater sampling. Fuel hydrocarbons were detected at elevated concentrations in soil and groundwater. Based on these results, the "*Subsurface Investigation Report and Well Installation Workplan*," proposes the installation of three monitoring wells and resampling of soil vapor probe VP1 at 5 and 10 feet bgs.

The proposed installation of three monitoring wells and re-sampling of soil vapor probe VP1 is generally acceptable. However, we have several comments on the results of the site investigation and proposed scope of work that require additional evaluation and/or investigation. Therefore, we request that you submit a Work Plan that addresses the technical comments below **no later than July 11, 2008**.

TECHNICAL COMMENTS

1. **Soil Vapor Sampling.** We concur with the proposal to re-sample soil vapor probe VP1. Based on the unknown contents of the former USTs, we request that you expand the analyte list for the proposed TO-15 analysis to include chlorinated solvents. Please present the results of the re-sampling and analyses in the Work Plan or Site Investigation Report requested below.
2. **Horizontal Extent of Contamination.** Elevated concentrations of fuel hydrocarbons were detected in groundwater samples collected from the CPT borings in Livermore Avenue. The horizontal extent of groundwater contamination has not been defined. Please present plans to define the horizontal extent of contamination in the Work Plan requested below.

3. **Contamination in Area of SB8.** Soil boring SB8 is located northeast of the former dispenser islands and north of the former USTs. Based on water level data from other sites, the hydraulic gradient in this area of Livermore is to the west to northwest. Therefore, boring SB8 is apparently cross gradient from the suspected sources of fuel releases at the site. However, the concentrations of total petroleum hydrocarbons as gasoline and diesel detected in the grab groundwater sample from SB8 were higher than the concentrations of TPHg and TPHd detected in grab groundwater samples from the other soil borings and cone penetrometer borings advanced in suspected source areas or downgradient from source areas. Please review these data to develop a proposed scope of work to assess whether contamination in the area of boring SB8 is from the suspected sources located in cross gradient directions or whether a contaminant source exists within the area of or upgradient from boring SB8. Please present your analysis and proposed scope of work in the Work Plan requested below.
4. **Vertical Extent of Contamination and CPT Borings.** The cone penetrometer (CPT) borings were stopped at approximately 55 feet bgs rather than the planned 80 feet bgs. The purpose of the CPT borings was to define the vertical extent of contamination. Fuel hydrocarbons were detected at elevated concentrations in the grab groundwater samples collected from first-encountered groundwater in the CPT borings. Based on these results, it is necessary to extend the CPT borings to a depth of 80 feet bgs to define the vertical extent of contamination. Groundwater samples are to be collected from each significant water-bearing zone identified on the CPT log below first encountered groundwater. Please include plans to extend the CPT borings in the Work Plan requested below.
5. **Proposed Well Installation.** We have no objection to the proposed monitoring well locations. However, the proposed well screen interval for the wells is 20 to 45 feet bgs. A review of the CPT logs indicates that a sandy silt & clayey silt layer that separates overlying and underlying coarse-grained soils, is present from approximately 32 to 36 feet bgs. We request that the monitoring wells not be installed within long well screens that may hydraulically connect separate water-bearing layers. Please review the CPT logs and cross sections to propose shorter well screen intervals that target discrete water-bearing zones.
6. **Grab Groundwater Sample from SB6.** The grab groundwater sampling results from soil boring SB6 appear anomalous. Soil boring SB6 was advanced adjacent to boring B3. Boring B3 was advanced by Fugro West, Inc. in September 2003. The grab groundwater sample from SB6 contained TPHg at a concentration of 110 milligrams per kilogram while the grab groundwater sample from Fugro West, Inc. contained TPHg at a concentration of 18,000 mg/kg. The depth to first encountered groundwater in boring SB6 is reported as 22 feet bgs, which is significantly less than the depth to groundwater elsewhere at the site. Furthermore, we are not aware of groundwater being encountered at depths as shallow as 22 feet bgs in this area of Livermore during the January to February 2008 time period. In the Work Plan requested below, please discuss the likely source of shallow groundwater in SB6 and whether the sample is representative. Cross sections of the site are required in order to help in this evaluation.

Mr. Ian Robb
Ms. Chris Davidson
RO0002908
May 9, 2008
Page 3

7. **Grab Groundwater Results for Boring SB-9.** The text on page 3 indicates that grab groundwater samples were collected from each boring except SB9. The boring log also indicates that groundwater was not encountered in the boring. However, groundwater analytical results for SB9 water are included in Table 4 and are presented in Attachment E – Laboratory Analytical Reports. A chain of custody form for a groundwater sample from boring SB9 is also included in Attachment E. Please review the grab groundwater results for SB9 to assure that grab groundwater results are reported accurately in future reports.

TECHNICAL REPORT REQUEST

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

- **July 11, 2008 – Work Plan**
- **120 days after ACEH approval of Work Plan – 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.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to 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 Instructions." 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. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all 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 monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is 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

Mr. Ian Robb
Ms. Chris Davidson
RO0002908
May 9, 2008
Page 4

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

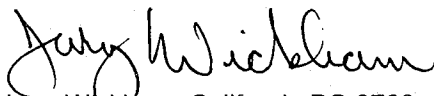
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

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 send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior 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

Mr. Ian Robb
Ms. Chris Davidson
RO0002908
May 9, 2008
Page 5

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

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


Connectoga Rovers & Associates
5900 Mills Street, Suite 100
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)

ISSUE DATE: July 5, 2005

REVISION DATE: December 16, 2005

PREVIOUS REVISIONS: October 31, 2005

SECTION: Miscellaneous Administrative Topics & Procedures

SUBJECT: Electronic Report Upload (ftp) Instructions

Effective **January 31, 2006**, 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.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:

- a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org
or
 - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
- b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site

- a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape and Firefox browsers will not open the FTP site.
- b) Click on File, then on Login As.
- c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
- d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
- e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs

- a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
- b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., firstname.lastname@acgov.org)
- c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload)

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

August 22, 2008

Mr. Ian Robb
Chevron Environmental Management Company
6001 Bollinger Canyon Road
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. Robb 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, "*Soil Boring Work Plan*," dated July 9, 2008, which was prepared on behalf of Chevron by Conestoga-Rovers & Associates. The Work Plan proposes soil borings to further delineate the horizontal and vertical extent of petroleum hydrocarbons prior to monitoring well installation.

The scope of work is conditionally approved and may be implemented provided that the technical comments below are addressed and incorporated during the proposed activities. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comment below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

- Soil Boring Depth.** Proposed soil borings B10 through B12 are to be advanced approximately 10 feet below first encountered groundwater or a depth of 40 feet bgs, whichever is deeper for the collection of soil samples and one grab groundwater sample from first-encountered groundwater. The boring depth is to be extended if contamination is observed at the total proposed depth of the boring. The collection of grab groundwater samples from each boring is necessary for site assessment. Therefore, we request that the borings be re-drilled at a nearby location if a groundwater sample cannot be obtained from first-encountered groundwater in the original boring. Extending the depth of the borings may potentially also be necessary if groundwater is not encountered within the upper 40 feet bgs. Please present the results of the soil borings and analyses in the Site Investigation Report requested below.

Mr. Ian Robb
Ms. Chris Davidson
RO0002908
August 22, 2008
Page 2

TECHNICAL REPORT REQUEST

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

- **January 6, 2009** – 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.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to 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 Instructions." 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. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all 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 monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is 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](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

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

Mr. Ian Robb
Ms. Chris Davidson
RO0002908
August 22, 2008
Page 3

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

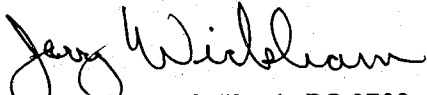
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

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 send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior 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

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

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

**Alameda County Environmental Cleanup
Oversight Programs
(LOP and SLIC)**

ISSUE DATE: July 5, 2005

REVISION DATE: December 16, 2005

PREVIOUS REVISIONS: October 31, 2005

SECTION: Miscellaneous Administrative Topics & Procedures

SUBJECT: Electronic Report Upload (ftp) Instructions

Effective **January 31, 2006**, 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.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:

- a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org
or
 - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
- b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site

- a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape and Firefox browsers will not open the FTP site.
- b) Click on File, then on Login As.
- c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
- d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
- e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs

- a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
- b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., firstname.lastname@acgov.org)
- c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload)

APPENDIX B

SITE HISTORY

SITE HISTORY

September 2003 Investigation: The City of Livermore Engineering Division, as part of a redevelopment plan, retained Fugro West, Inc. (Fugro) to investigate soil and groundwater conditions beneath Mills Square Park to evaluate the potential presence of petroleum hydrocarbons resulting from the historic use of the site as a service station. Fugro advanced borings B1 through B3 onsite. Hydrocarbons were only detected in one soil sample, which contained 9.6 mg/kg total petroleum hydrocarbons as diesel (TPHd) and 3.5 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPHg). Groundwater samples contained up to 42,000 micrograms per liter ($\mu\text{g}/\text{l}$) TPHd and 18,000 $\mu\text{g}/\text{l}$ TPHg. No benzene was detected in soil, but was detected in groundwater up to 140 $\mu\text{g}/\text{l}$. Total lead concentrations up to 3,700 mg/kg were detected in all soil samples at 3 feet below grade (fbg). Details can be found in Fugro's January 6, 2004 *Soil and Groundwater Investigation Report*.

September 2005 UST Removal: In September 2005, an orphan underground storage tank (UST) was encountered beneath the sidewalk on the southwest corner of the site. At the direction of the Livermore-Pleasanton Fire Department, the UST was removed, soil samples were collected, and the excavated soil was backfilled into the UST pit. According to Consolidated Engineering Laboratories' October 4, 2005, *Environmental Sampling, Testing and Evaluation of Soil* report, soil beneath the UST contained up to 54 mg/kg total petroleum hydrocarbons as motor oil (TPHmo), 4,100 mg/kg TPHd, and 1,200 mg/kg TPHg. Chevron was not involved with the tank removal and was contacted later by ACEH to investigate whether any other USTs remained in Mills Square Park.

August 2006 Geophysical Investigation: Cambria Environmental Technology, Inc. (Cambria), now Conestoga-Rovers & Associates (CRA), contracted NORCAL Geophysical Consultants, Inc. to determine if any USTs still remained in place. Two suspected tanks were identified in the southwest corner of the park, measuring approximately 5 by 7 feet and located approximately 3 fbg. More information available in Cambria's December 22, 2006 *Subsurface Investigation Report*.

September and October 2006 Site Investigation: Cambria observed Woodward Drilling Company, Inc. advance borings SB1 through SB5 in the vicinity of the former dispenser islands and suspected USTs. Up to 1,400 mg/kg TPHmo, 3,000 mg/kg TPHd, 8,700 mg/kg TPHg, and 14 mg/kg benzene were detected in soil. The maximum lead concentration was 65.4 mg/kg at 5 fbg. No groundwater was encountered to the total explored depth of 40 fbg. More information is available in Cambria's December 22, 2006 *Subsurface Investigation Report*.

June 2007 Tank Removal: On June 20, 2007, CRA observed Gettler-Ryan Inc. remove two 750 gallon single-wall steel gasoline USTs (Tank 1 and Tank 2) and approximately 27 feet of associated product piping. CRA collected seven compliance soil samples from beneath the ends

and middle of both Tank 1 and Tank 2 and from below the pipes protruding from the northwestern wall of the tank pit. Up to 11,000 mg/kg TPHmo and 2,800 mg/kg TPHd were detected. No TPHg was detected in any sample. Lead was detected at a maximum concentration of 1,170 mg/kg at 8 fbg. More information can be found in CRA's August 17, 2007 *Underground Storage Tank Removal and Compliance Sampling Report*.

January and February 2008 Site Investigation: CRA observed Gregg Drilling & Testing, Inc., RSI Drilling, and Vironex Environmental Field Services advance soil borings CPT1, CPT2 and SB6 through SB9, shallow soil borings SSB1 through SSB11, and install vapor probes VP-1 through VP 3, both on and offsite. The highest concentrations detected were 380 mg/kg TPHmo and 100 mg/kg TPHd in CPT1 at 36 fbg, and 530 mg/kg TPHg in SB8 at 34.5 fbg, and 0.007 mg/kg benzene in SB8 at 39.5 fbg. The highest concentrations detected in groundwater were 1,500 µg/L TPHmo in both CPT1 and CPT2, 52,000 µg/L TPHd in SB8, 18,000 µg/L TPHg in SB8, and 14 µg/L benzene in CPT2., No benzene was detected in soil vapor and no other constituents were detected or were at least two orders of magnitude below the shallow soil gas screening levels for evaluation of potential vapor intrusion concerns for commercial/industrial land use. More information is available in CRA's March 27, 2008 *Subsurface Investigation Report and Well Installation Workplan*.

APPENDIX C

PERMITS

APPENDIX D

BORING LOGS

APPENDIX E

GREGG CPT SITE INVESTIGATION REPORT

APPENDIX F

LABORATORY ANALYTICAL REPORTS FOR SOIL AND GRAB-GROUNDWATER

APPENDIX G

LABORATORY ANALYTICAL REPORTS FOR VAPOR

APPENDIX C

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 GOOL 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@crworld.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>	

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

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

- F. WELL DESTRUCTION.** See attached.

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>

- (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

Approved Wyman Hong Date 1/8/08
Wyman Hong

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

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

ATTACH SITE PLAN OR SKETCH

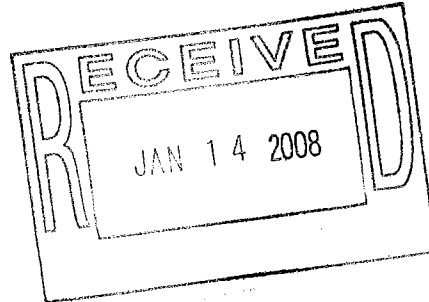


ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

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

City Engineer

By: Janella G. King

Date of Issue: 1/23/08

Work Completed:

Date: _____

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

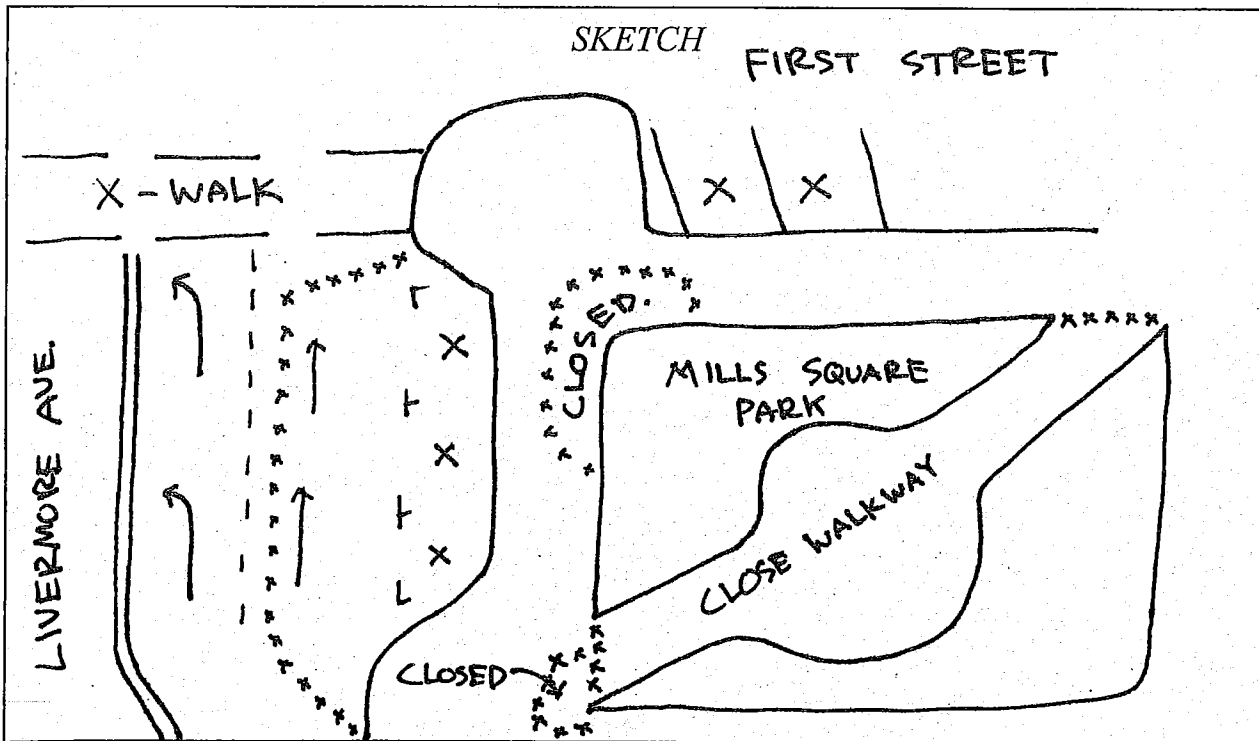
PROPERTY OWNER:

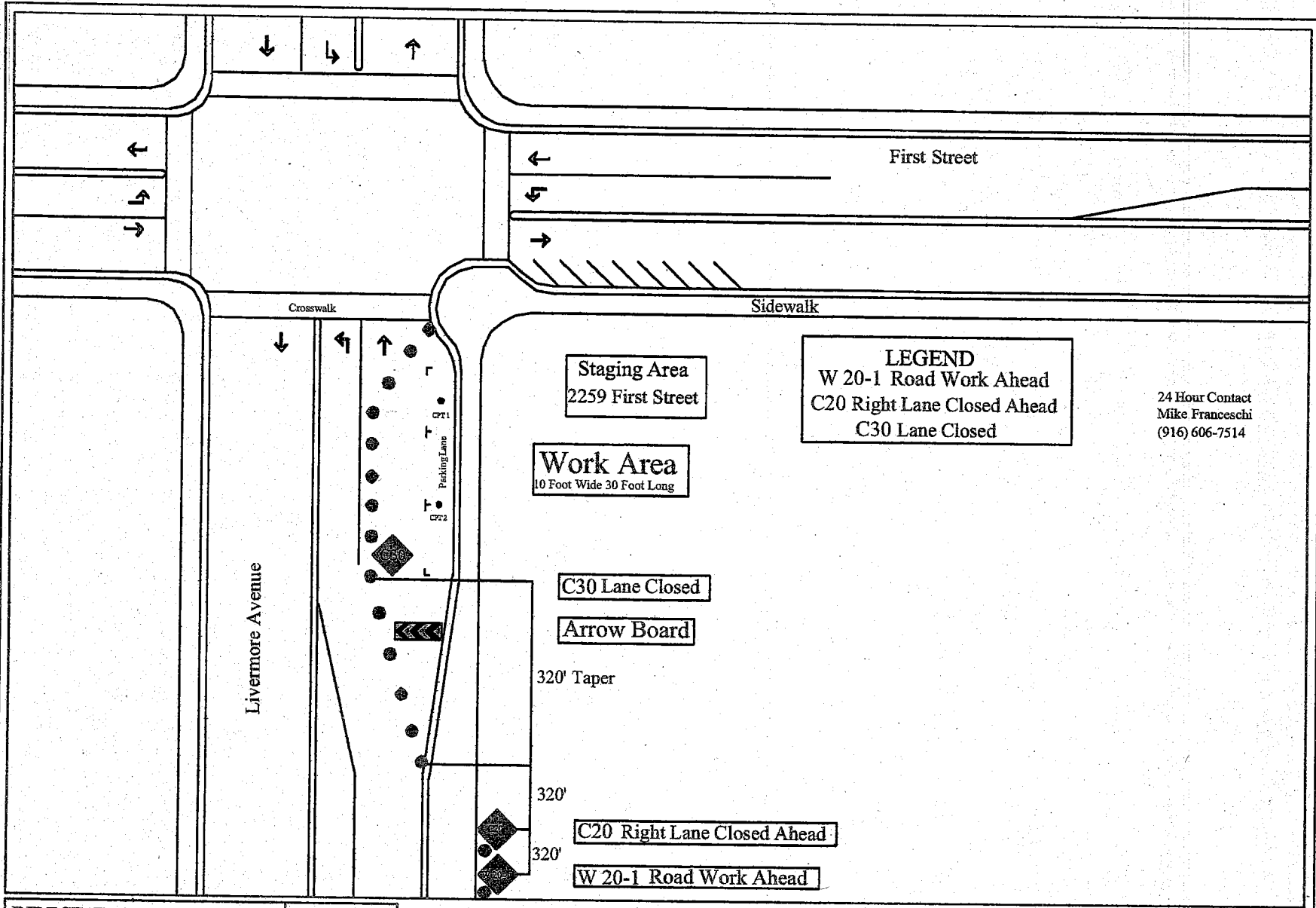
Name: CITY OF LIVERMORE
 Address: _____
 City/Zip: _____
 Telephone Number: _____

CONTRACTOR:

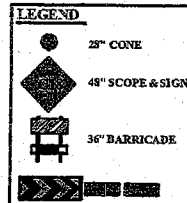
Name: GREGG DRILLING AND TESTING
 Address: 950 HOWE RD.
 City/Zip: MARTINEZ, 94553
 Telephone Number: 925-313-5800
 State License Number: 485165 Type C57

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



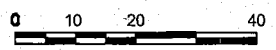
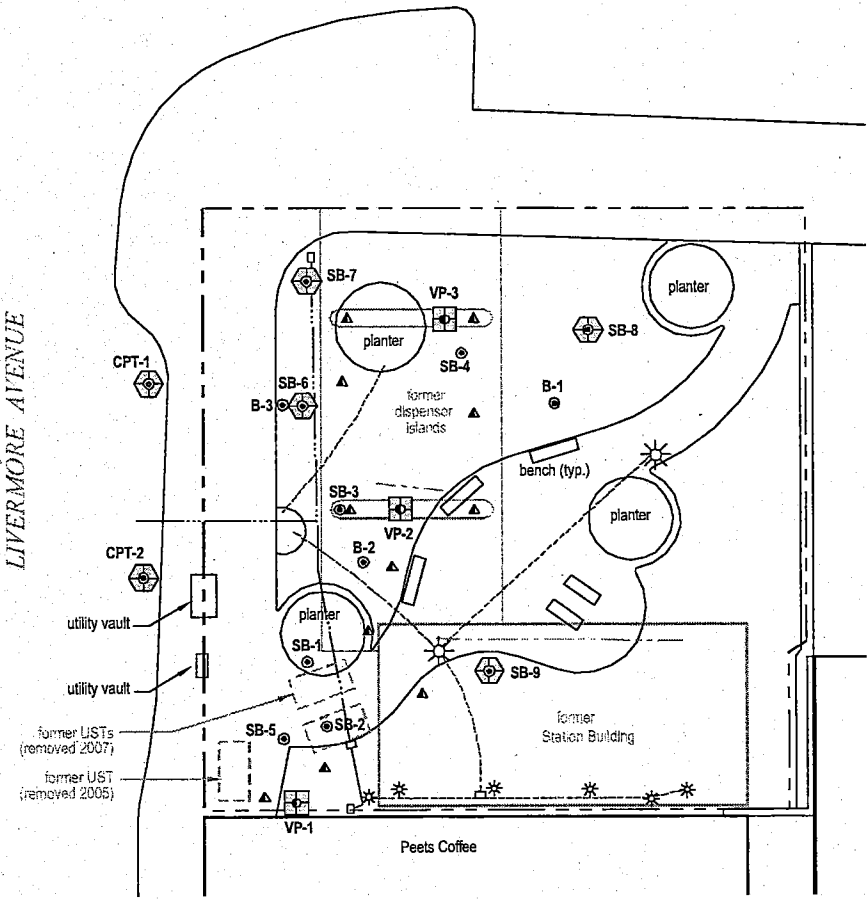
CONESTOGA ROVERS & ASSOCIATES
 5900 Hollis Street Suite A
 Emeryville CA 94608

TRAFFIC CONTROL SITE MAP			
MPH 40	TL 320'	S.S 320'	E.S 315'
DRAWN BY	DATE	PROJECT NUMBER	
M FRANCESCHI	12/6/07	30-7233	

FIRST STREET

LIVERMORE AVENUE

EXPLANATION	
SB-1	Soil boring location
B-1	Soil boring location (Fugro 2003)
SB-6	Proposed soil boring location
CPT-1	Proposed CPT location
VP-1	Proposed vapor probe location
▲	Proposed shallow soil sample location
---	Electrical line
---	Water line
---	Unknown utility line



Scale (ft)

Basemap modified from Aerial photographs

FIGURE

2

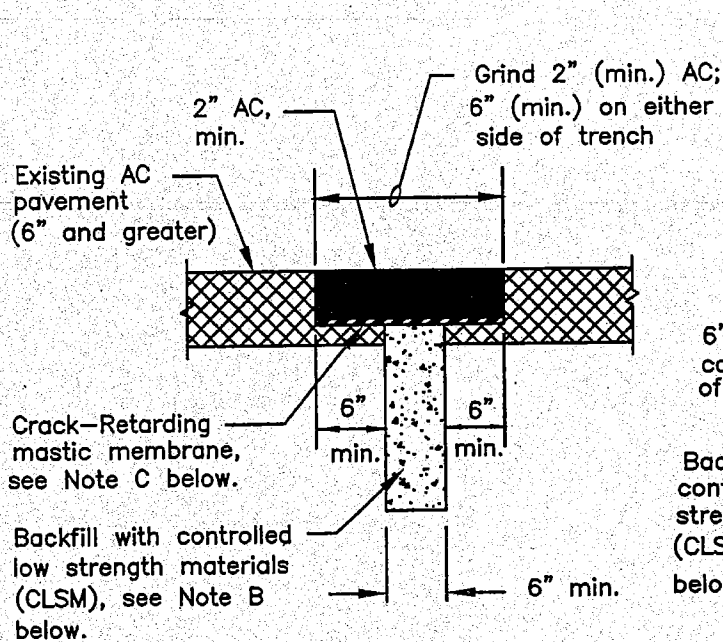
Site Plan with Proposed Boring Locations



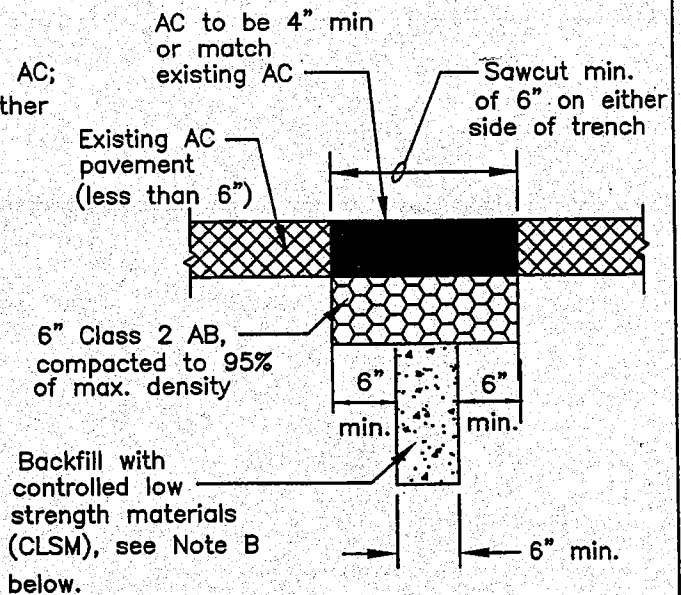
Former Chevron Station 30-7233

2259 First Street
Livermore, California

I:\2013\LIVERMORE\GISEN03-233_SITPLAN-PROP.DWG



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.

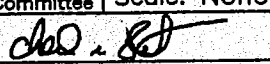
User note:

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.

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		

W01D.DWG

APPENDIX 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		5	SM		Silty SAND with gravel: Brown; damp; 70% well graded sand, 20% silt, 10% gravel; non-plastic; high estimated permeability.		
0		SB6-9.5		10	GW		Sandy GRAVEL with silt: Brown; moist; 50% gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	9.0	
				12.0			Silty SAND: Brown with green mottling; moist; 80% fine sand, 15% silt, 5% clay; non-plastic; moderate estimated permeability.	12.0	
0		SB6-19.5		20	SM				
				22.0			@22 fbg soil becomes wet		
1		SB6-24		25				25.0	
									Bottom of Boring @ 25 ft

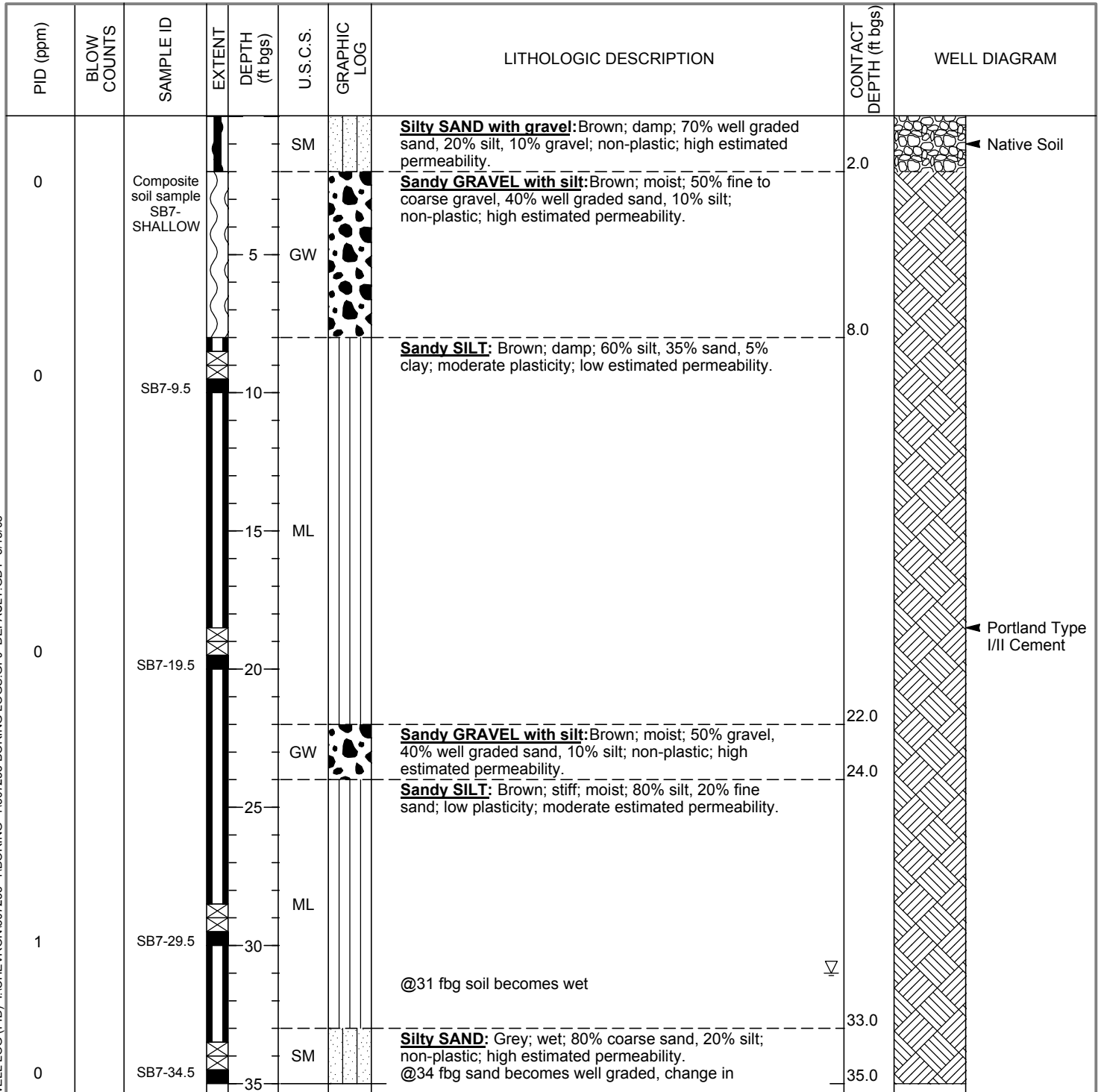
WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\BORING-1\BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08

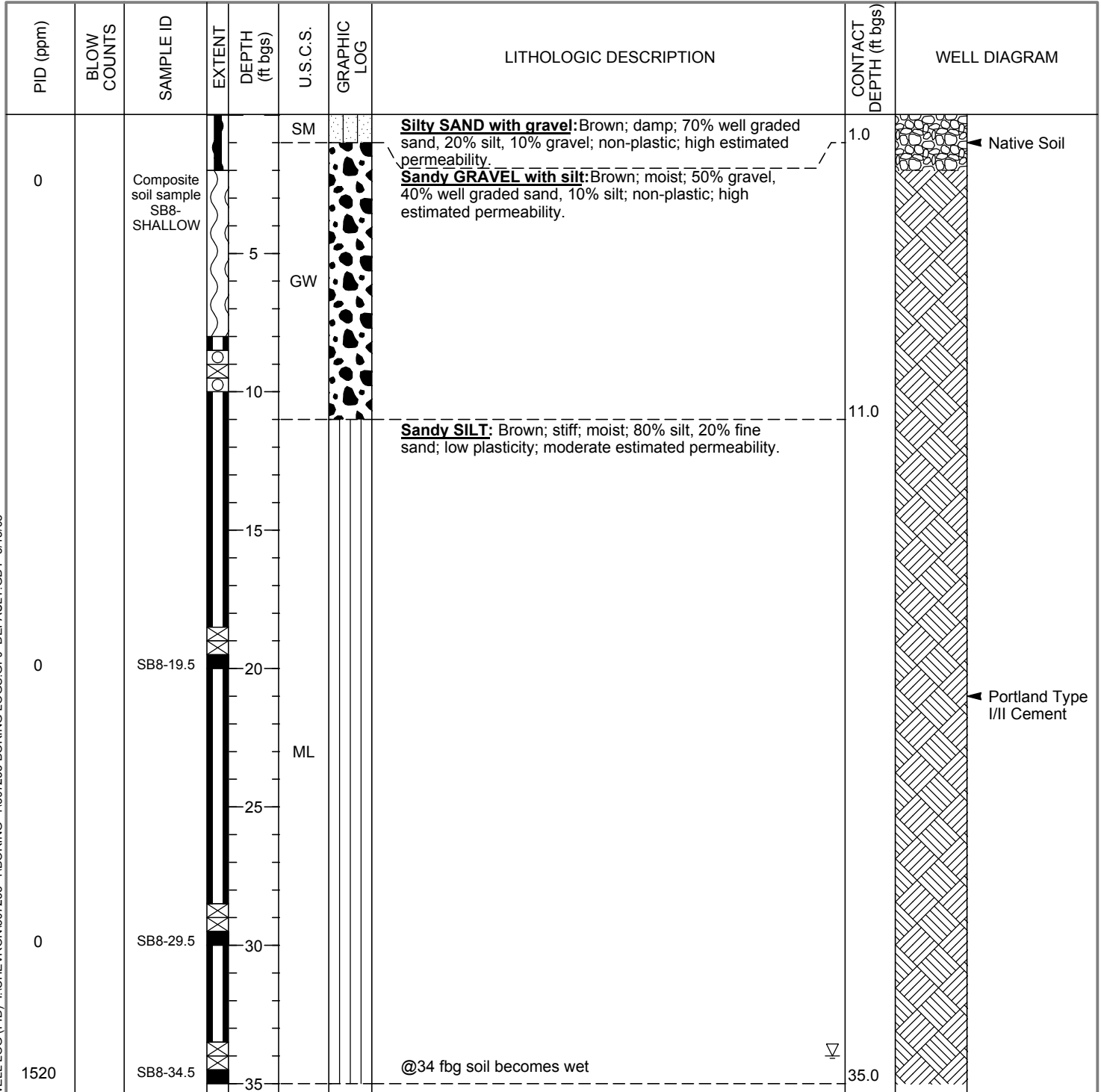
Continued Next Page



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
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 5/15/08

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** SB7
JOB/SITE NAME 30-7233 **DRILLING STARTED** 28-Jan-08
LOCATION 2259 First Street, Livermore, California **DRILLING COMPLETED** 30-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
							composition: 60% sand, 30% silt, 10% gravel.		Bottom of Boring @ 35 ft



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		Silty SAND: Brown; wet; 60% sand, 35% silt, 5% gravel; non-plastic; moderate estimated permeability.	40.0	 Bottom of Boring @ 40 ft

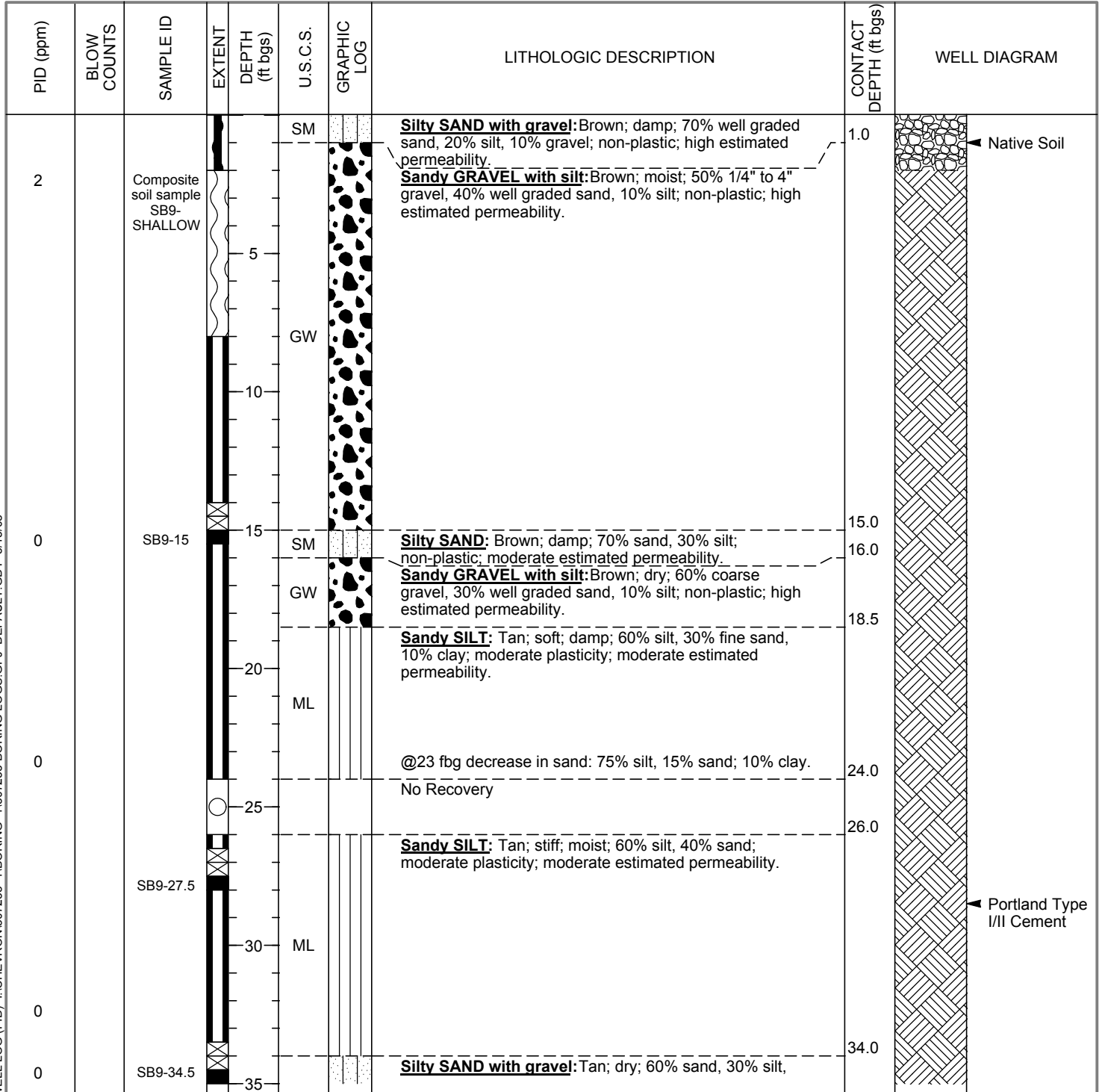
WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08

Continued Next Page



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
				SM		10% fine gravel; non-plastic; moderate estimated permeability.		
			40			No Recovery	40.0	
			45			Silty SAND: Tan; soft; moist; 70% sand, 30% silt; non-plastic; moderate estimated permeability.	44.0	
3		SB9-46.5		SM		@50 fbg becomes stiff, composition changes: 60% sand, 40% silt.		
			50					
			55	SM		@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				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 5/15/08



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>SB10</u>
JOB/SITE NAME	<u>Chevron site #30-7233</u>	DRILLING STARTED	<u>23-Oct-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>04-Nov-08</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		SB10- S-26	25	ML				
0		SB10- S-36	35			<p>@ 30fbg composition changes to: 5% clay, 65% silt, 30% sand; low plasticity; low estimated permeability.</p> <p>Clayey sandy SILT: Mottled brown; damp; 10% clay, 80% silt, 10% sand; medium plasticity; low estimated permeability.</p>	35.0	
			40					

WELL LOG (PID) I:\CHEVRON\3122-1312264--4\BORING--1312264--BORING LOGS.GPJ DEFAULT.GDT 3/5/09

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	SB10
JOB/SITE NAME	Chevron site #30-7233	DRILLING STARTED	23-Oct-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	04-Nov-08

Continued from Previous Page

WELL LOG (PID) I:\CHEVRON\3122-1312264-4\BORING-11312264-BORING LOGS.GPJ DEFAULT.GDT 3/5/09

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
1		SB10- S-46		45	ML				
0		SB10- S-56		55	GP		Sandy GRAVEL: Brown; wet; 30% sand, 70% gravel; non-plastic; moderate estimated permeability.	55.0	<p>Portland Type I/II Cement</p>
0		SB10- S-62		60	SP		SAND: Brown; wet; 5% clay, 5% silt, 90% sand; non-plastic; moderate estimated permeability.	60.0	
				62.5				62.5	
									Bottom of Boring @ 62.5 fbg



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	SB10
JOB/SITE NAME	Chevron site #30-7233	DRILLING STARTED	23-Oct-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	04-Nov-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5"	SCREENED INTERVALS	NA
LOGGED BY	Belew Yifru	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Brandon S. Wilken, P.G. #7564	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 (ftg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
0		SB10- S-5	5	GM		Sandy GRAVEL with cobbles Brown; damp; 10% silt, 30% sand, 60% sub-angular to rounded gravel; non-plastic; high estimated permeability.		
							8.0	
						Clayey sandy SILT: Brown; damp; 10% clay, 80% silt, 10% sand; medium plasticity; low estimated permeability.		
0		SB10- S-16						
			20					

WELL LOG (PID) I:\CHEVRON\3122-1312264--1312264--4BORING--1312264-BORING LOGS.GPJ DEFAULT.GDT 3/5/09

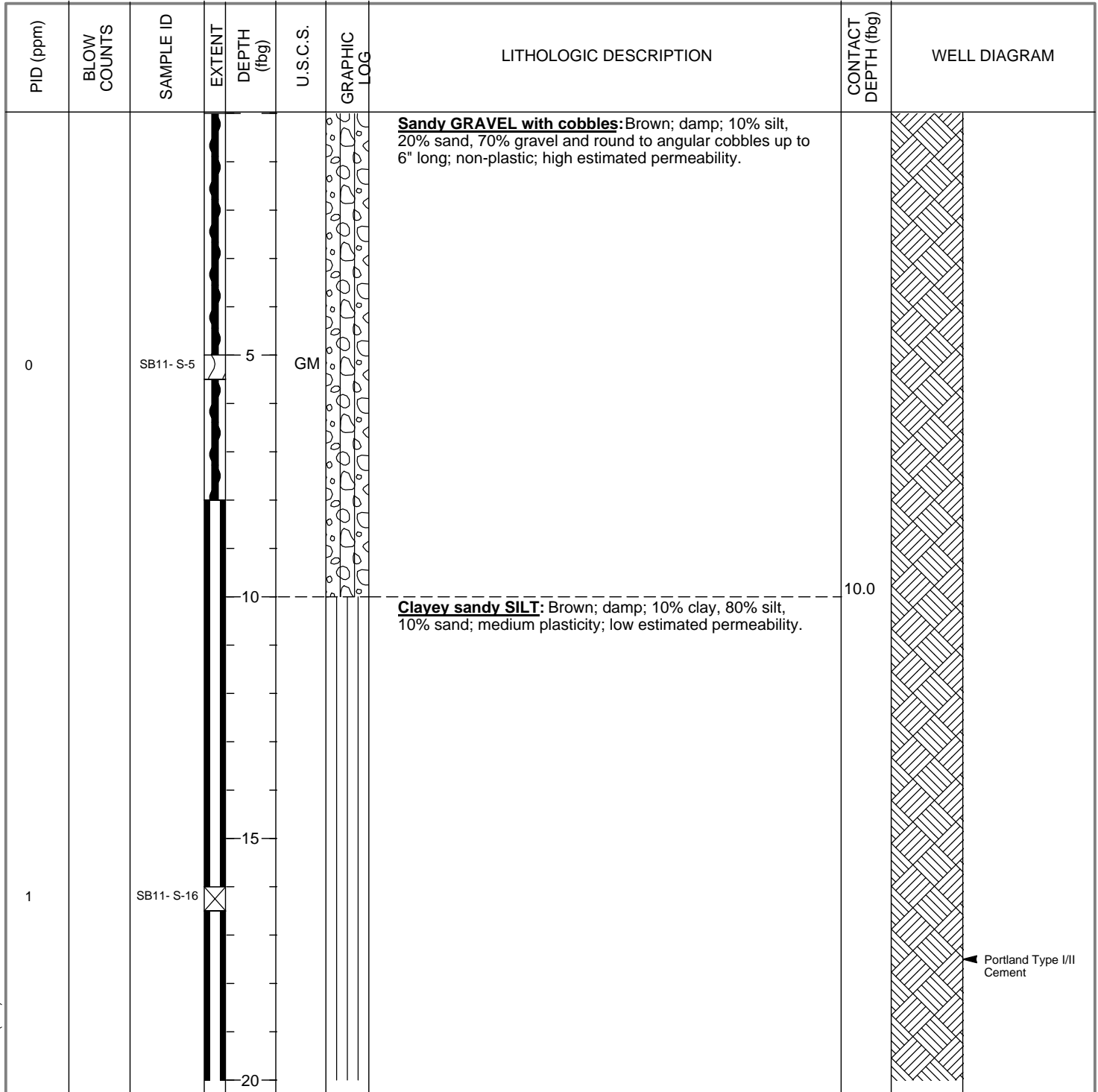
Continued Next Page



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	SB11
JOB/SITE NAME	Chevron site #30-7233	DRILLING STARTED	24-Oct-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	03-Nov-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5"	SCREENED INTERVALS	NA
LOGGED BY	Belew Yifru	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Brandon S. Wilken, P.G. #7564	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\3122-1312264--1312264--4BORING--1312264-BORING LOGS.GPJ DEFAULT.GDT 3/5/09

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>SB11</u>
JOB/SITE NAME	<u>Chevron site #30-7233</u>	DRILLING STARTED	<u>24-Oct-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>03-Nov-08</u>

Continued from Previous Page

WELL LOG (PID) I:\CHEVRON\3122-1312264--4BORING--1312264-BORING LOGS.GPJ DEFAULT.GDT 3/5/09

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		SB11- S-26	X	25	ML				
1		SB11- S-36	X	35	ML		<p>@35 fbg composition and color change: mottled brown; 5% clay, 80% silt, 15% sand; low plasticity; low estimated permeability.</p> <p>@40 fbg, composition changes: 10% clay, 80% silt, 10% sand; low plasticity; low estimated permeability.</p>	35.0	

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>SB11</u>
JOB/SITE NAME	<u>Chevron site #30-7233</u>	DRILLING STARTED	<u>24-Oct-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>03-Nov-08</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
278		SB11-S-45.5	X	45					<p>Portland Type I/II Cement</p>
20		SB11-S-51	X	50	SM		Silty SAND: Light brown; damp; 5% clay, 25% silt, 70% sand; non-plastic; moderate estimated permeability.	50.0	
74		SB11-S-56	X	55	SP		Gravelly SAND: Brown; wet; 10% clay, 80% silt, 10% sand; non-plastic; moderate estimated permeability.	55.0	
5		SB11-S-61	X	60				61.5	
									Bottom of Boring @ 61.5 fbg

WELL LOG (PID) I:\CHEVRON\3122-1312264-1\312264-4\BORING-11312264-BORING LOGS.GPJ DEFAULT.GDT 3/5/09

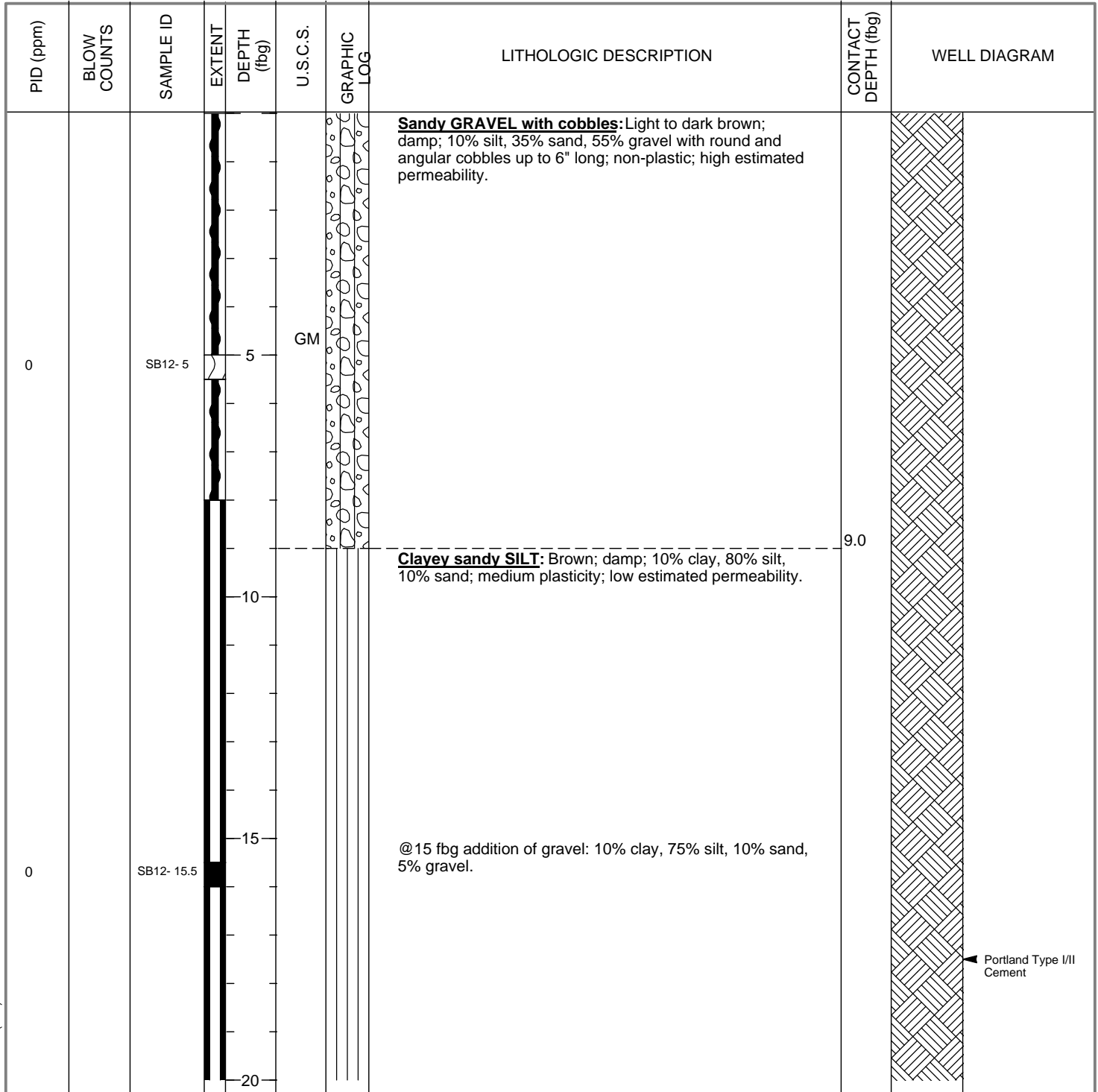


Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	SB12
JOB/SITE NAME	Chevron site #30-7233	DRILLING STARTED	24-Oct-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	03-Nov-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	5"	SCREENED INTERVALS	NA
LOGGED BY	Belew Yifru	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Brandon S. Wilken, P.G. #7564	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\3122-1312264-1\312264-4\BORING-11312264-BORING LOGS.GPJ DEFAULT.GDT 3/5/09



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>SB12</u>
JOB/SITE NAME	<u>Chevron site #30-7233</u>	DRILLING STARTED	<u>24-Oct-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>03-Nov-08</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
1		SB12- 25.5	25	ML				
114		SB12- 30	30					
1		SB12- 35.5	35			<p>@40 fbg composition and color change: mottled light brown and grey; 85% silt, 10% sand, 5% gravel.</p>	35.0	
			40					

WELL LOG (PID) I:\CHEVRON\3122-1312264--4BORING--1312264-BORING LOGS.GPJ DEFAULT.GDT 3/5/09

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>SB12</u>
JOB/SITE NAME	<u>Chevron site #30-7233</u>	DRILLING STARTED	<u>24-Oct-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>03-Nov-08</u>

Continued from Previous Page



PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
28		SB12- 45.5		45	ML				<p>Portland Type I/II Cement</p>
485		SB12- 50.5		50					
935		SB12- 55.5		55					
6		SB12- 60.5		60	GP	<p>Sandy GRAVEL: Grey; damp; 5% clay, 10% silt, 30% sand, 55% gravel; non-plastic; moderate estimated permeability.</p>	55.0		
				61.0				61.0	Bottom of Boring @ 61 fbg








WELL LOG (PID) I:\CHEVRON\3122-1312264-1\312264-4\BORING-11312264-BORING LOGS.GPJ DEFAULT.GDT 3/5/09



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) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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	SSB2
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	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
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-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.		
2		SSB3-3			GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	3.0	
2		SSB3-5		5			Refusal @ 5.5 fbg	5.5	Bottom of Boring @ 5.5 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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 5/15/08



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.		
1		SSB5-3						3.0	
1		SSB5-5.5		5	GW		Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.		
2		SSB5-7					Refusal @ 7.5 fbg	7.5	Bottom of Boring @ 7.5 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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.		
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	
				5			Refusal @ 5 fbg		Bottom of Boring @ 5 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability. Sandy GRAVEL with silt: Brown; moist; 50% fine to coarse gravel, 40% well graded sand, 10% silt; non-plastic; high estimated permeability.	1.0	
0		SSB7-3.5			GW			5	
0		SSB7-5.5							
3		SSB7-7							
							Refusal @ 7.5 fbg	7.5	Bottom of Boring @ 7.5 ft

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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		1.5	SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	1.0	
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.		
0		SSB8-9		9			Refusal @ 9.5 fbg	9.5	

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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
0		SSB10-3			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.0	
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.		
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.GPJ DEFAULT.GDT 5/15/08



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	SSB11
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
0		SSB11-1.5			SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.5	
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				
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 5/15/08



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 Bentonite Seal Monterey Sand #2/12 Portland Type I/II Cement Bentonite Seal Monterey Sand #2/12 </p> <p>Vapor well installed past bottom of casing by 0.5 ft. A 0.5 inch rod to total depth, installing well, and then removing rod.</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	
							Refusal @ 8.5 fbg		

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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		0 - 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		0 - 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	<ul style="list-style-type: none"> ▲ Portland Type I/II Cement ▲ Bentonite Seal ▲ Monterey Sand #2/12 <p>Bottom of Boring @ 10 ft</p>

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



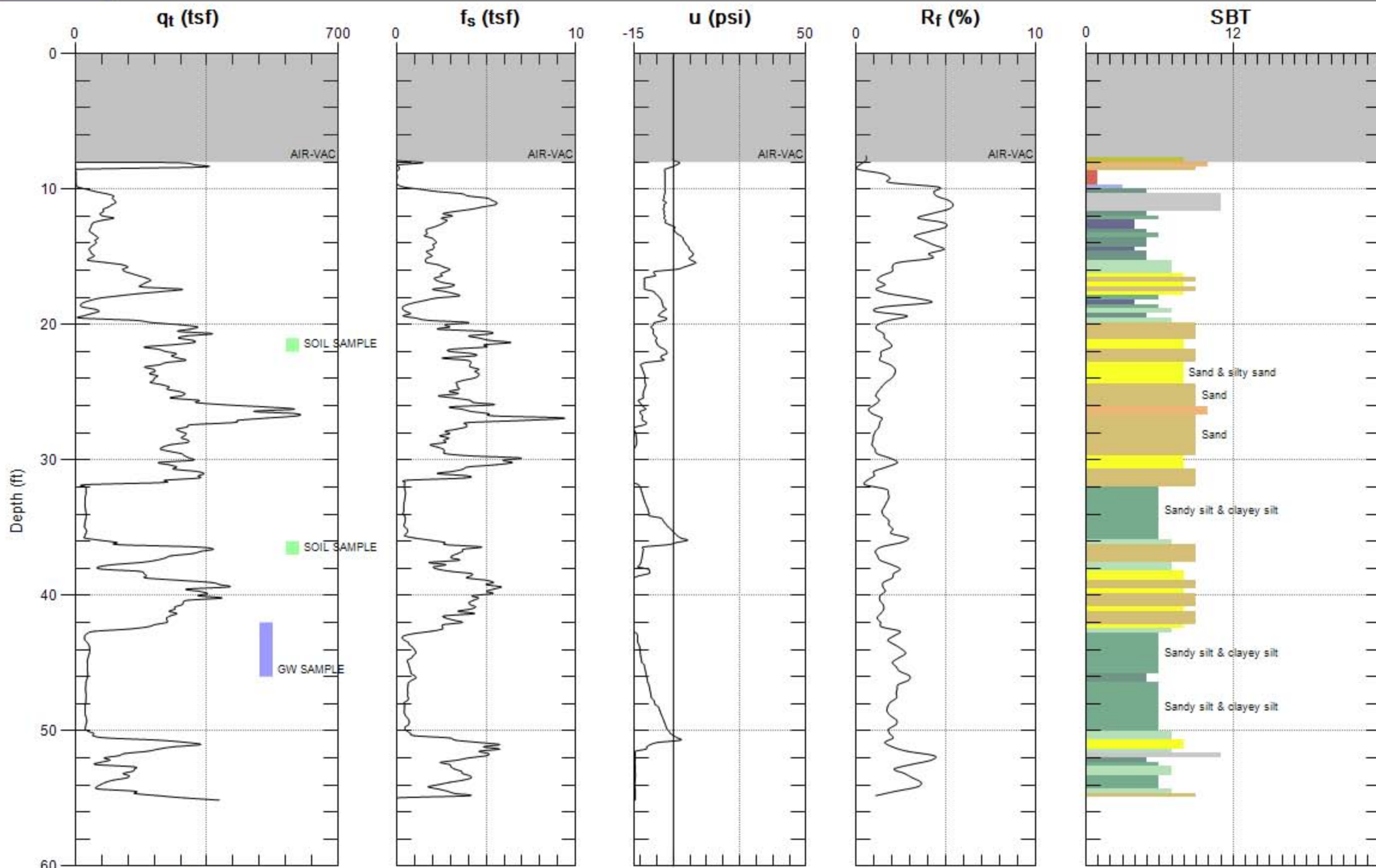
Conestoga-Rovers & Associates
 5900 Hollis Street, Suite A
 Emeryville, CA 94608
 Telephone: 510-420-0700
 Fax: 510-420-9170

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		

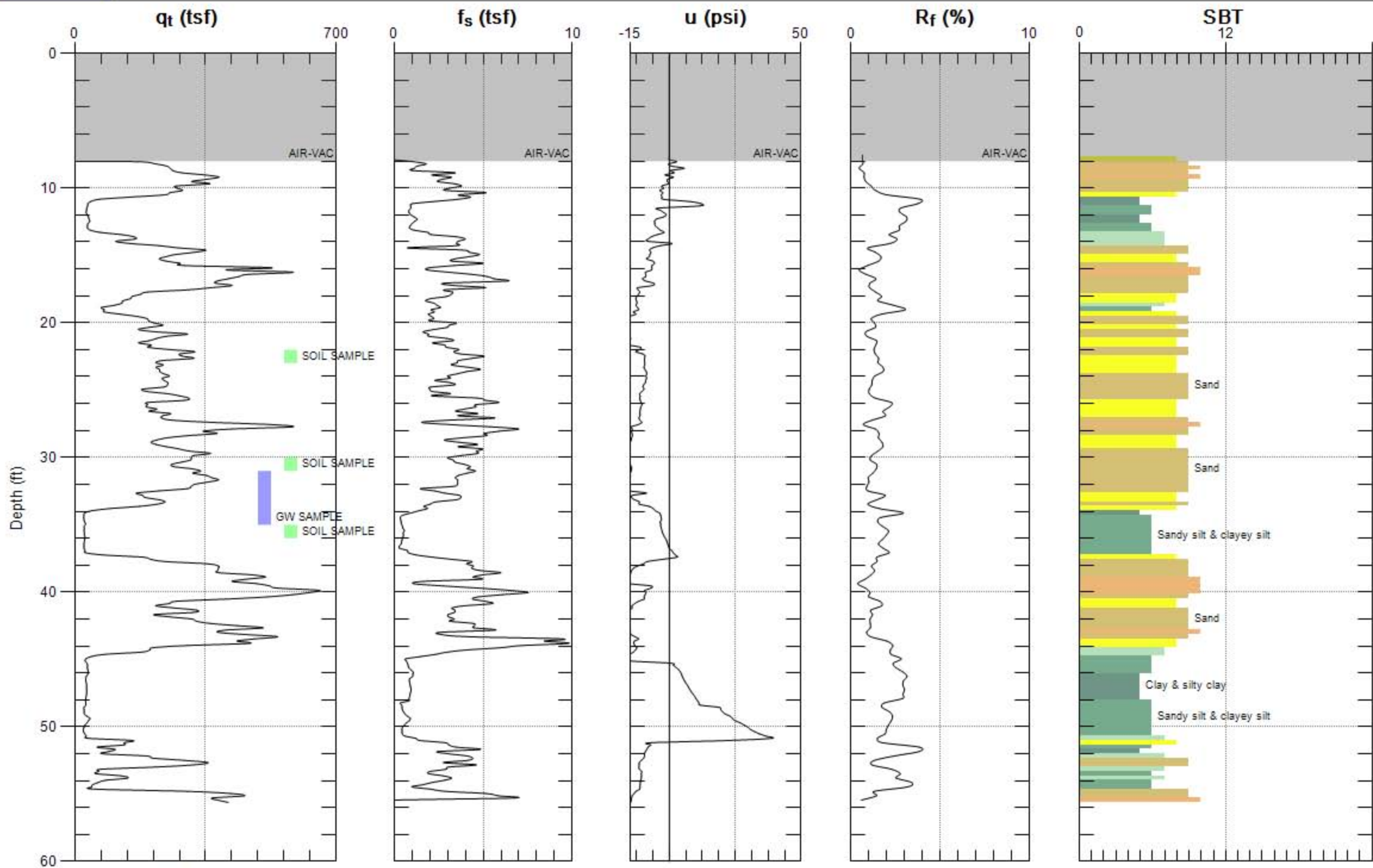
PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
					SM		Silty SAND: Brown; moist; 55% well graded sand, 40% silt, 5% gravel; low plasticity; moderate estimated permeability.	2.0	<p>Portland Type I/II Cement Bentonite Seal Monterey Sand #2/12 Portland Type I/II Cement Bentonite Seal Monterey Sand #2/12</p> <p>Vapor well installed past bottom of casing by 0.5 ft. A 0.5 inch rod to total depth, installing well, and then removing rod.</p>
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.	8.5	
0		VP3-8		10					

WELL LOG (PID) I:\CHEVRON\307233-1\BORING-1\307233 BORING LOGS.GPJ DEFAULT.GDT 5/15/08



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)



Cambria Environmental Technology, Inc.
 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	CPT3
JOB/SITE NAME	Chevron site #30-7233	DRILLING STARTED	23-Oct-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	23-Oct-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Cone Penetration Testing (CPT)	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Belew Yifru	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Brandon S. Wilken, P.G. #7564	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 (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		CPT3-5		5	GM		<p>ASPHALT</p> <p>Silty GRAVEL (roadbase)</p> <p>Silty GRAVEL: Light brown; damp; 25% silt, 75% fine to coarse gravel; non-plastic; high estimated permeability.</p>	1.0 2.0 8.0	<p>Portland Type I/II Cement</p> <p>Bottom of Boring @ 8 fbg</p>
							Boring log continues in Gregg CPT report		

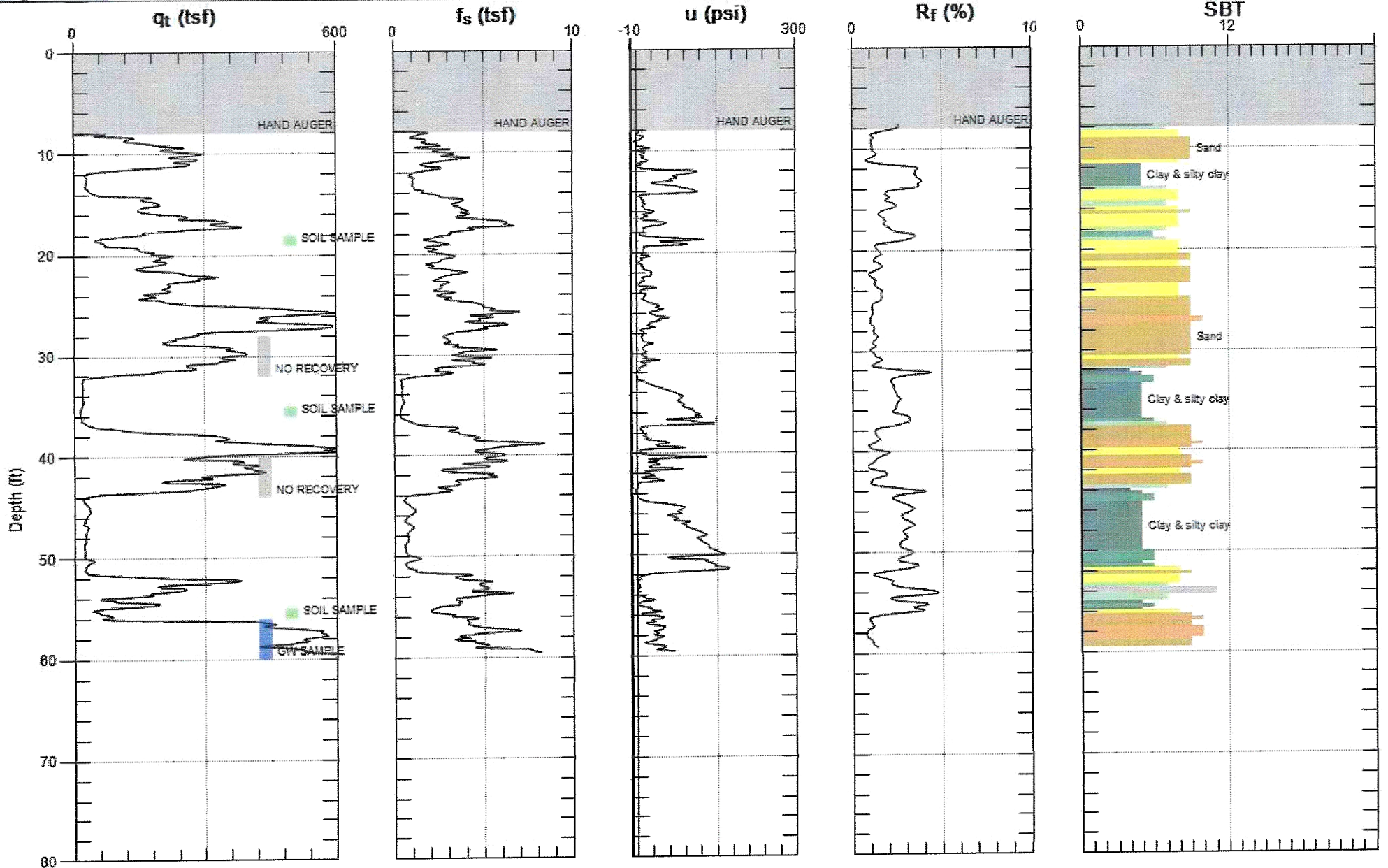
WELL LOG (PID) I:\CHEVRON\3122-1312264-1\31B354-1\312264-BORING LOGS.GPJ DEFAULT.GDT 2/19/09



CONESTOGA ROVERS

Site: CHEVRON 30-7233
Sounding: CPT3

Engineer: LHULL
Date: 11/4/2008 09:18



Max. Depth: 59.547 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Cambria Environmental Technology, Inc.
 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	CPT4
JOB/SITE NAME	Chevron site #30-7233	DRILLING STARTED	24-Oct-08
LOCATION	2259 First Street, Livermore, California	DRILLING COMPLETED	24-Oct-08
PROJECT NUMBER	312264	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, C57 #485165	GROUND SURFACE ELEVATION	NA
DRILLING METHOD	Cone Penetration Testing (CPT)	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Belew Yifru	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	Brandon S. Wilken, P.G. #7564	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 (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		CPT4-5		5	GW		<p>ASPHALT</p> <p>Sandy GRAVEL with cobbles and silt: Light to dark brown; damp; 10% silt, 25% fine to coarse sand, 65% fine to coarse gravel; non-plastic; high estimated permeability.</p>	1.0	<p>Portland Type I/II Cement</p>
							Boring log continues in Gregg CPT report	8.0	Bottom of Boring @ 8 fbg

WELL LOG (PID) I:\CHEVRON\3122-1312264-1\31B354-1\312264-BORING LOGS.GPJ DEFAULT.GDT 2/19/09



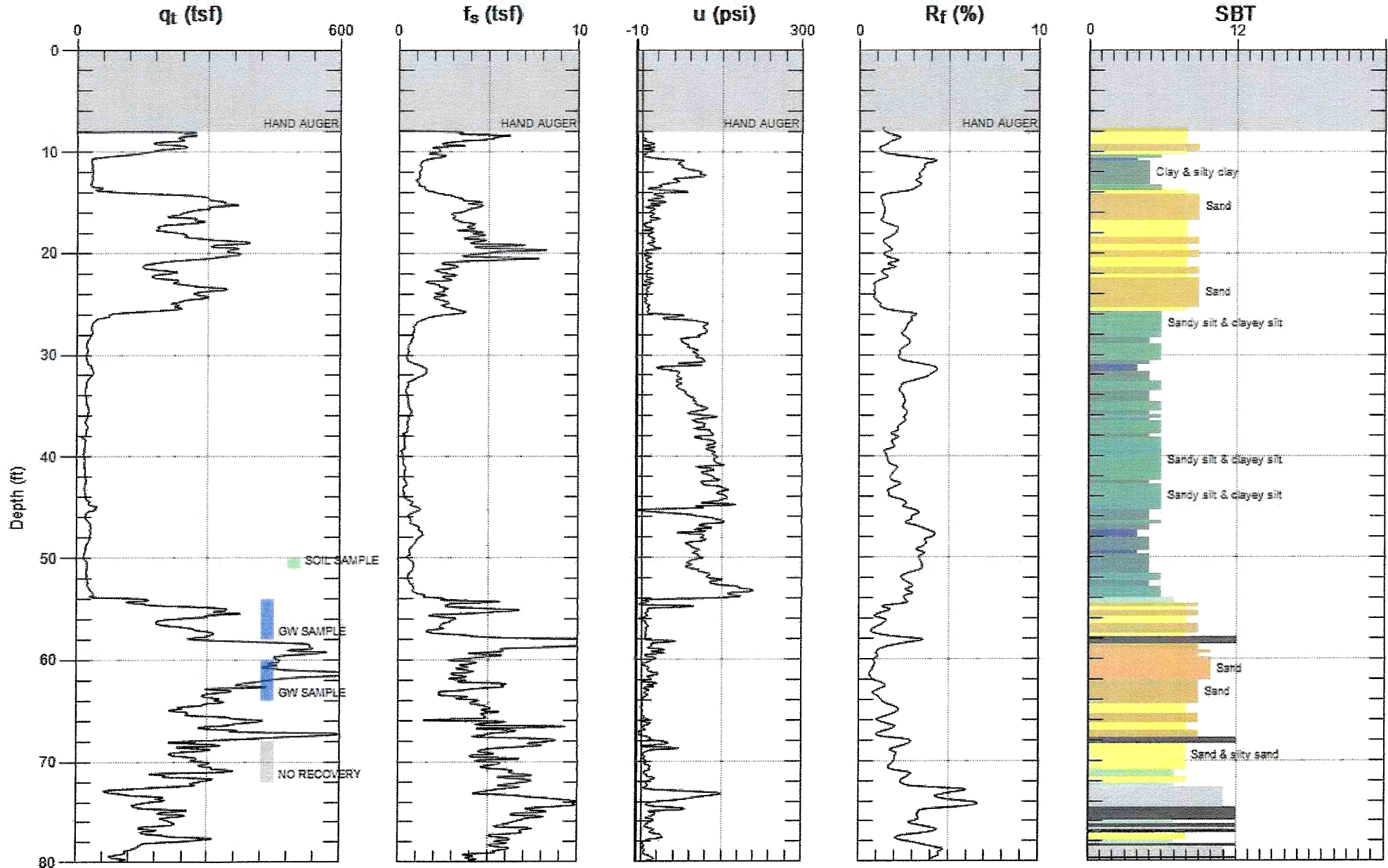
CONESTOGA ROVERS

Site: CHEVRON 30-7233

Engineer: I.HULL

Sounding: CPT4

Date: 11/5/2008 09:10



Max. Depth: 80.052 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Cambria Environmental Technology, Inc.
 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>CPT5</u>
JOB/SITE NAME	<u>Chevron site #30-7233</u>	DRILLING STARTED	<u>31-Oct-08</u>
LOCATION	<u>2259 First Street, Livermore, California</u>	DRILLING COMPLETED	<u>31-Oct-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>NA</u>
DRILLING METHOD	<u>Cone Penetration Testing (CPT)</u>	TOP OF CASING ELEVATION	<u>NA</u>
BORING DIAMETER	<u>2"</u>	SCREENED INTERVALS	<u>NA</u>
LOGGED BY	<u>Belew Yifru</u>	DEPTH TO WATER (First Encountered)	<u>NA</u>
REVIEWED BY	<u>Brandon S. Wilken, P.G. #7564</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 (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		CPT5-5		5	GW		<p>ASPHALT</p> <p>Sandy GRAVEL with cobbles and silt: Light to dark brown; damp; 10% silt, 35% fine to coarse sand, 55% fine to coarse gravel; non-plastic; high estimated permeability.</p>	1.0	<p>Portland Type I/II Cement</p>
							Boring log continues in Gregg CPT report	8.0	Bottom of Boring @ 8 fbg

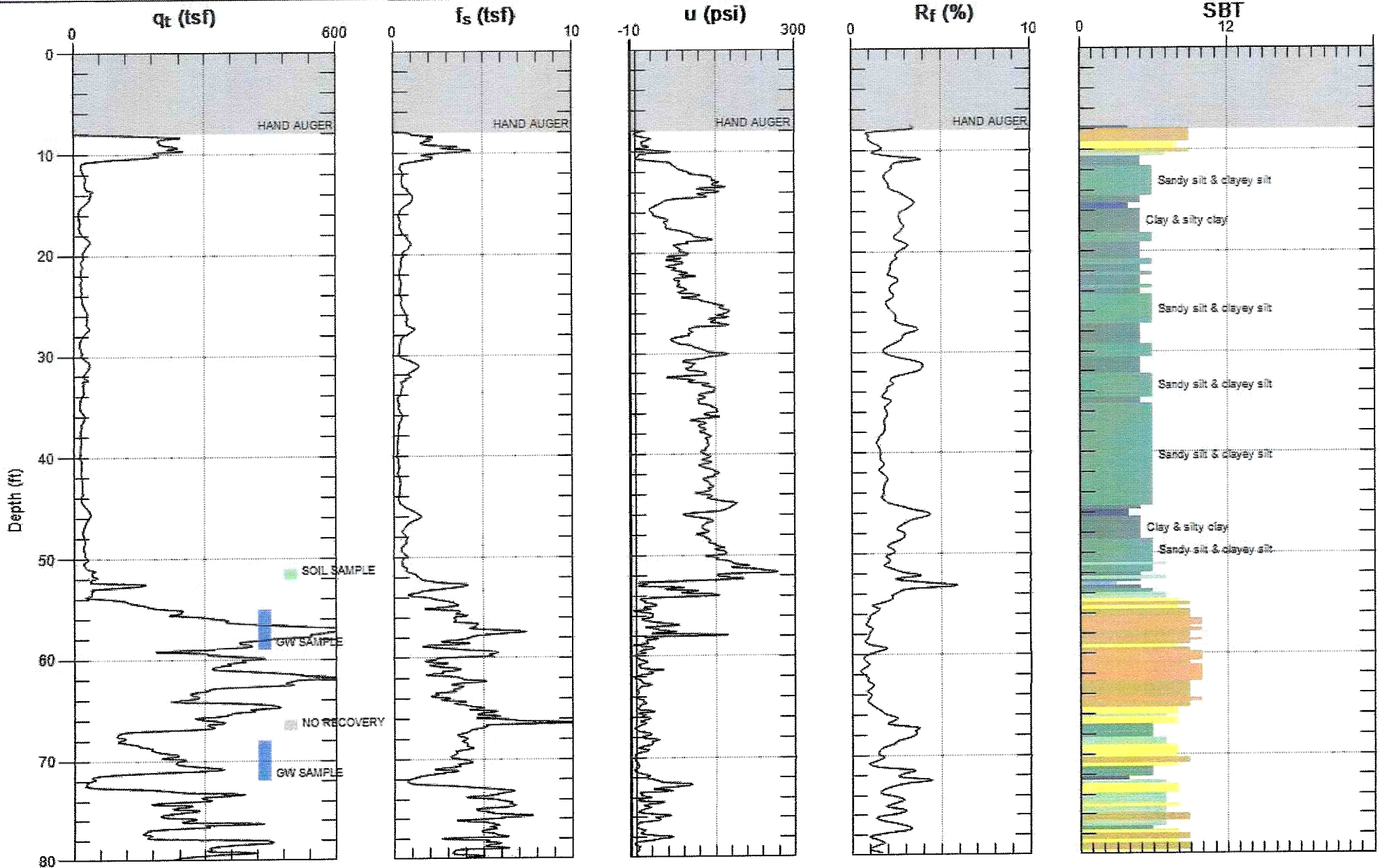
WELL LOG (PID) I:\CHEVRON\3122-1312264-1\31B354-1\312264-BORING LOGS.GPJ DEFAULT.GDT 2/19/09



CONESTOGA ROVERS

Site: CHEVRON 30-7233
Sounding: CPT5

Engineer: I.HULL
Date: 11/3/2008 09:42



Max. Depth: 80.052 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

APPENDIX E

GREGG CPT SITE INVESTIGATION REPORT



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:

Table with 4 columns: Item Number, Test Name, Abbreviation, and Status (checkbox). Rows include Cone Penetration Tests (CPTU), Pore Pressure Dissipation Tests (PPD), Seismic Cone Penetration Tests (SCPTU), Resistivity Cone Penetration Tests (RCPTU), UVIF Cone Penetration Tests (UVIFCPTU), Groundwater Sampling (GWS), Soil Sampling (SS), Vapor Sampling (VS), Vane Shear Testing (VST), and SPT Energy Calibration (SPTe).

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



Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice"
E & FN Spon. ISBN 0 419 23750, 1997

Roberston, 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.

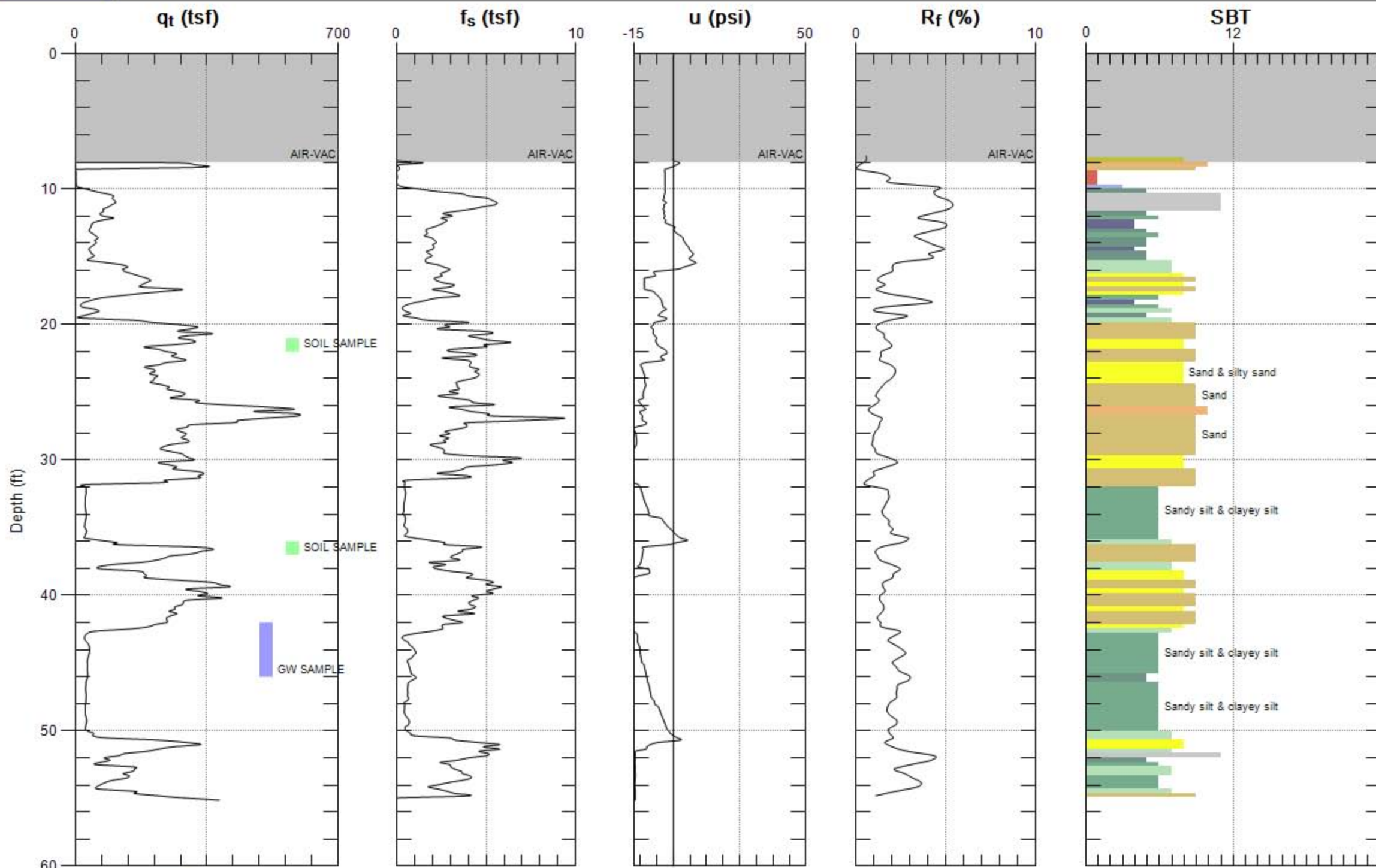
Campanella, R.G. and I. Weemee, "Development and Use of An Electrical Resistivity Cone for Groundwater
Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

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.

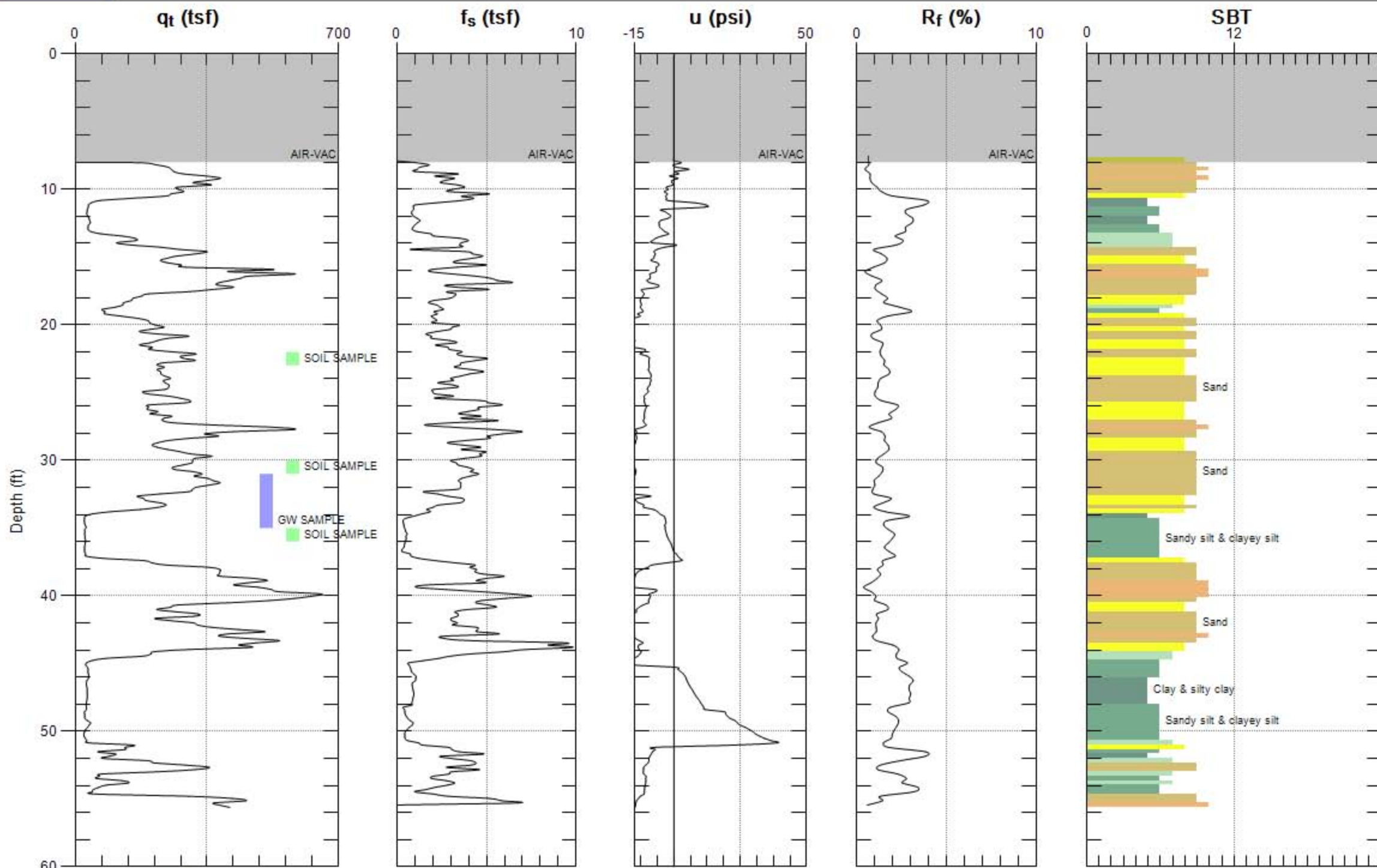
Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from
Discrete-Depth Groundwater Samplers" BAT EnviroProbe and OED HydroPunch, Sixth national Outdoor Action
Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

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)



GREGG DRILLING & TESTING, INC.
GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

November 7, 2008

Conestoga-Rovers Associates
Attn: Charlette Evans
5900 Hollis St., Suite A
Emeryville, California 94608

Subject: CPT Site Investigation
Chevron 30-7233
Livermore, California
GREGG Project Number: 08-283MA

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	UVOST Laser Induced Fluorescence	(UVOST)	<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	(SPTC)	<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



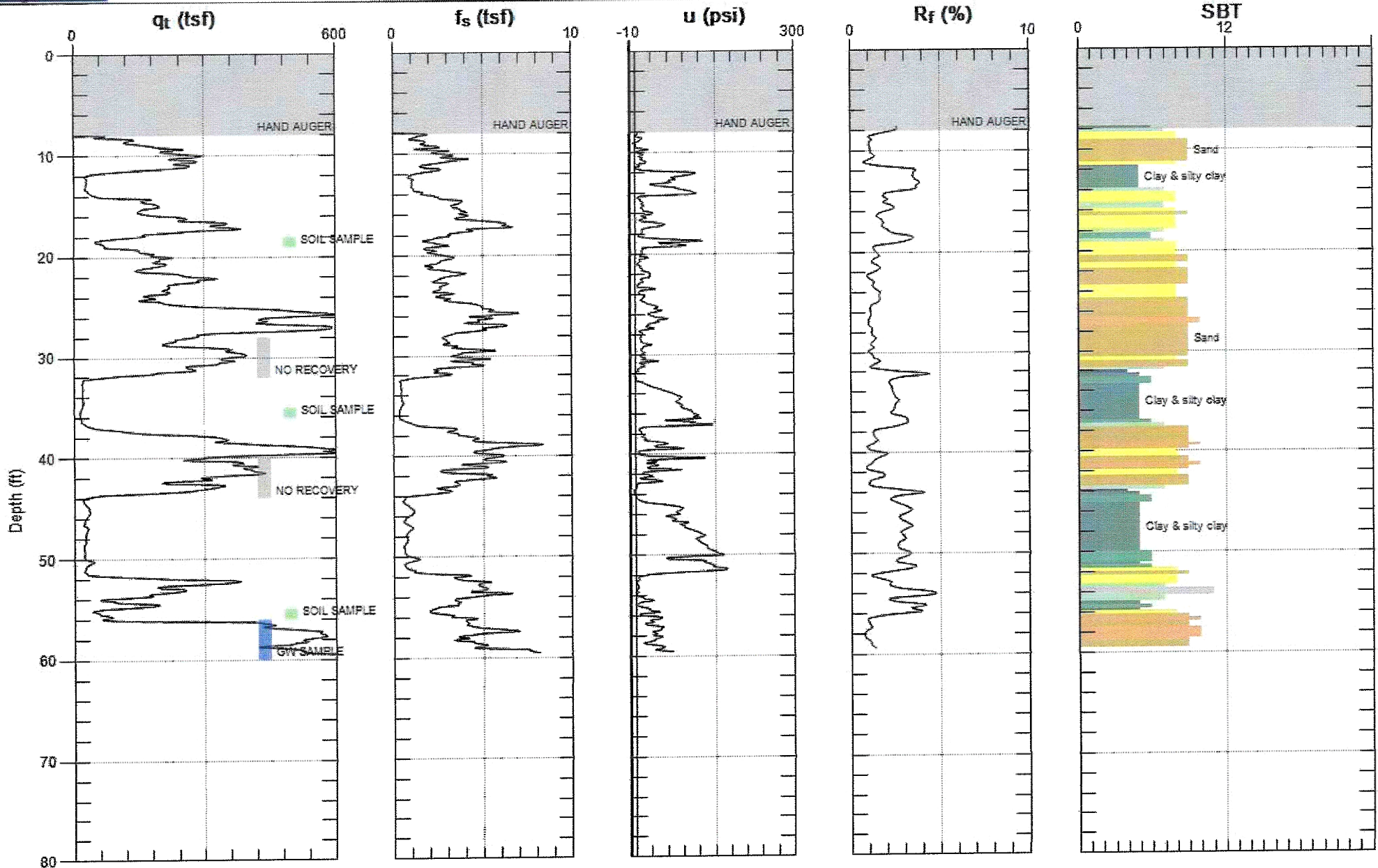
CONESTOGA ROVERS

Site: CHEVRON 30-7233

Engineer: LHULL

Sounding: CPT3

Date: 11/4/2008 09:18



Max. Depth: 59.547 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



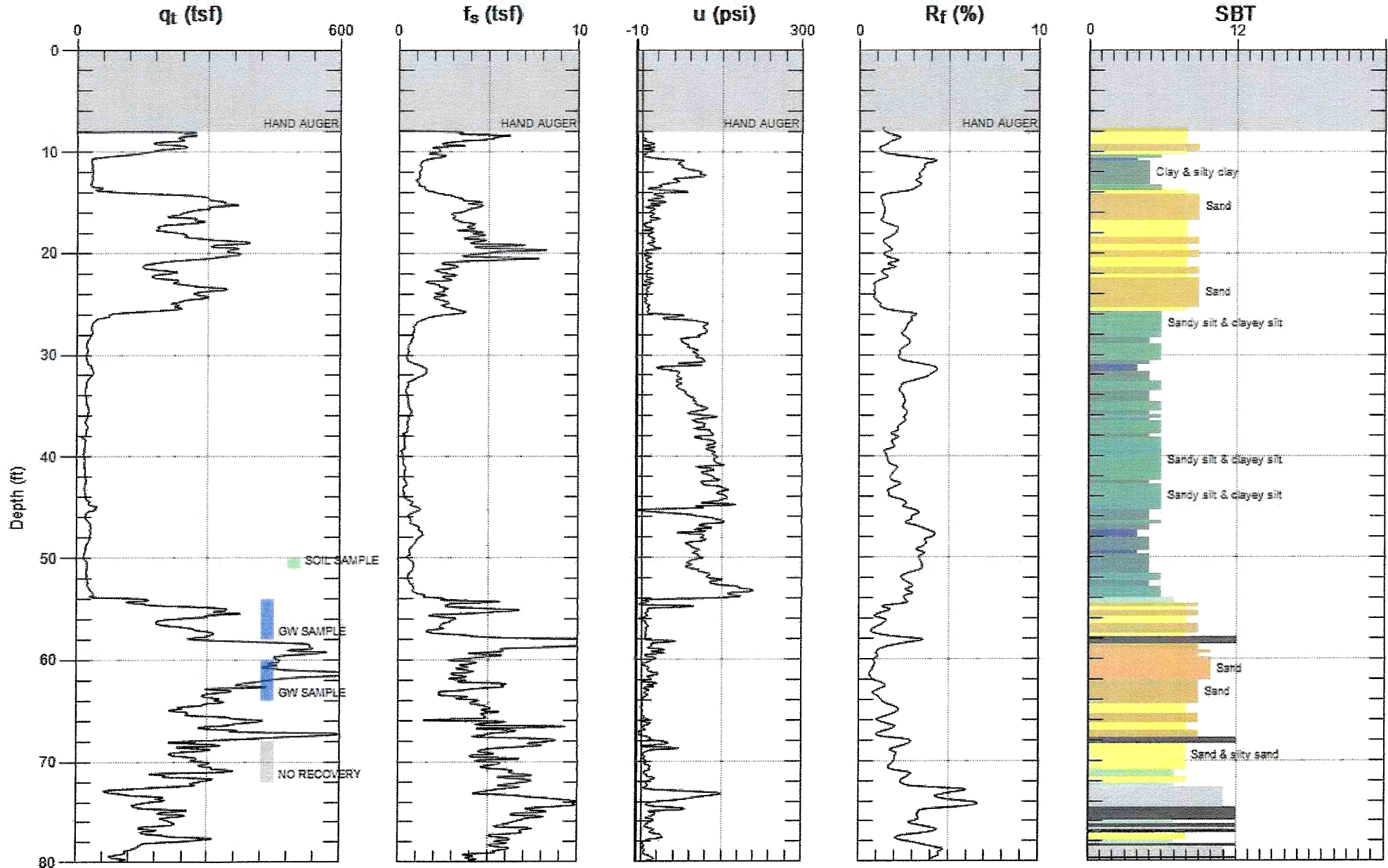
CONESTOGA ROVERS

Site: CHEVRON 30-7233

Engineer: I.HULL

Sounding: CPT4

Date: 11/5/2008 09:10



Max. Depth: 80.052 (ft)
Avg. Interval: 0.328 (ft)

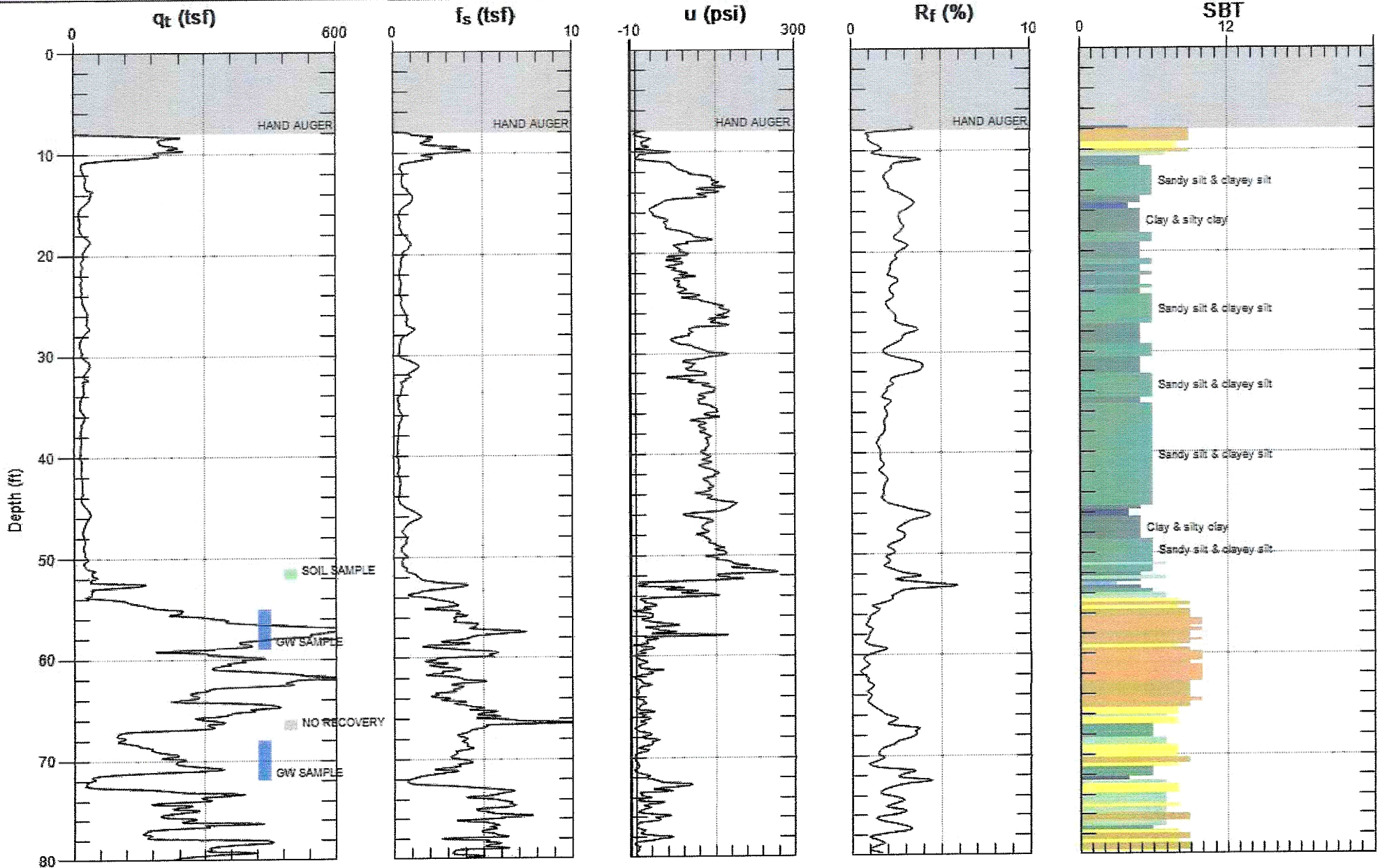
SBT: Soil Behavior Type (Robertson 1990)



CONESTOGA ROVERS

Site: CHEVRON 30-7233
Sounding: CPT5

Engineer: I.HULL
Date: 11/3/2008 09:42



Max. Depth: 80.052 (ft)
Avg. Interval: 0.328 (ft)

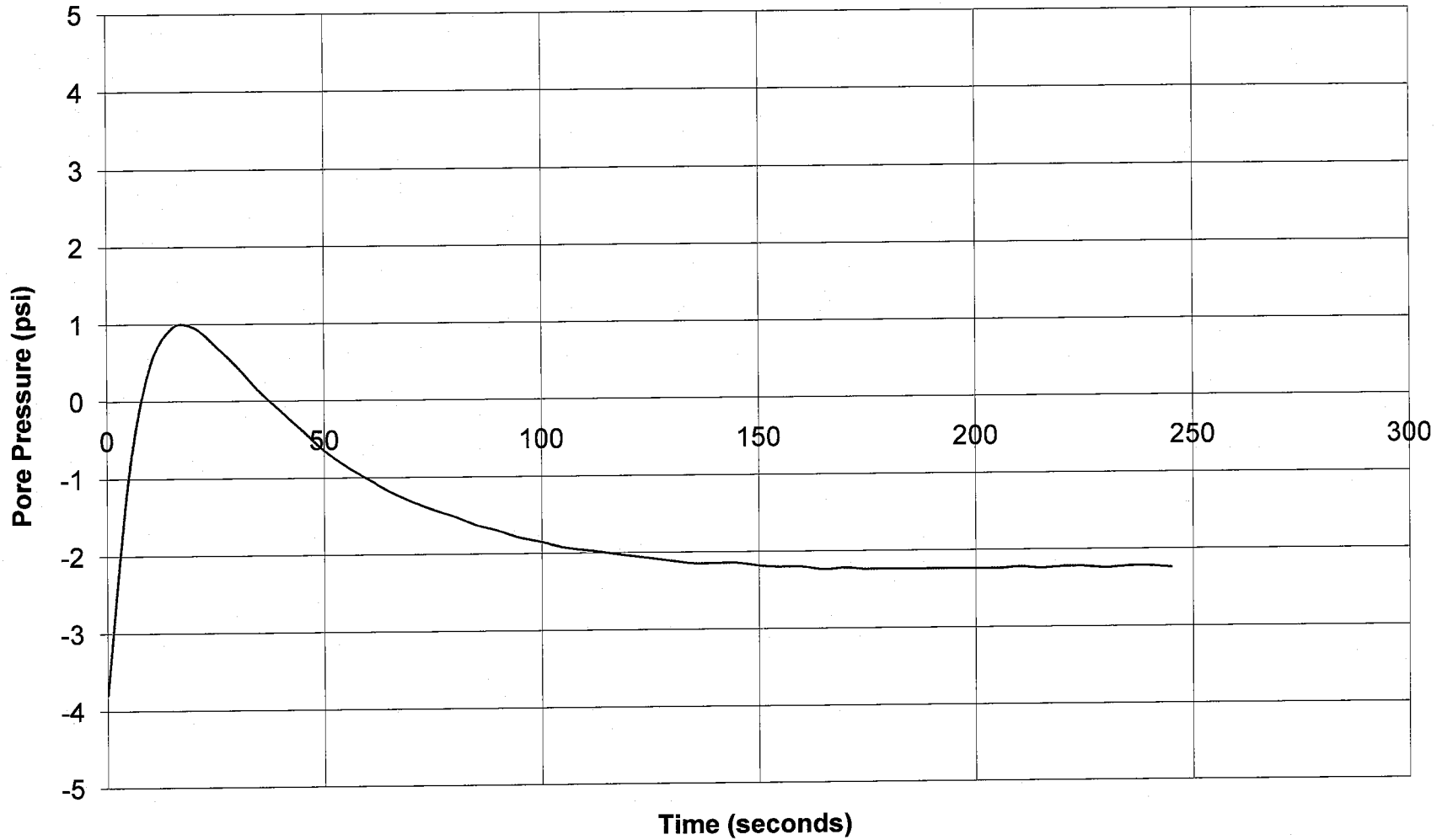
SBT: Soil Behavior Type (Robertson 1990)



GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: CPT3
Depth: 52.329
Site: CHEVRON 30-7233
Engineer: I. HULL

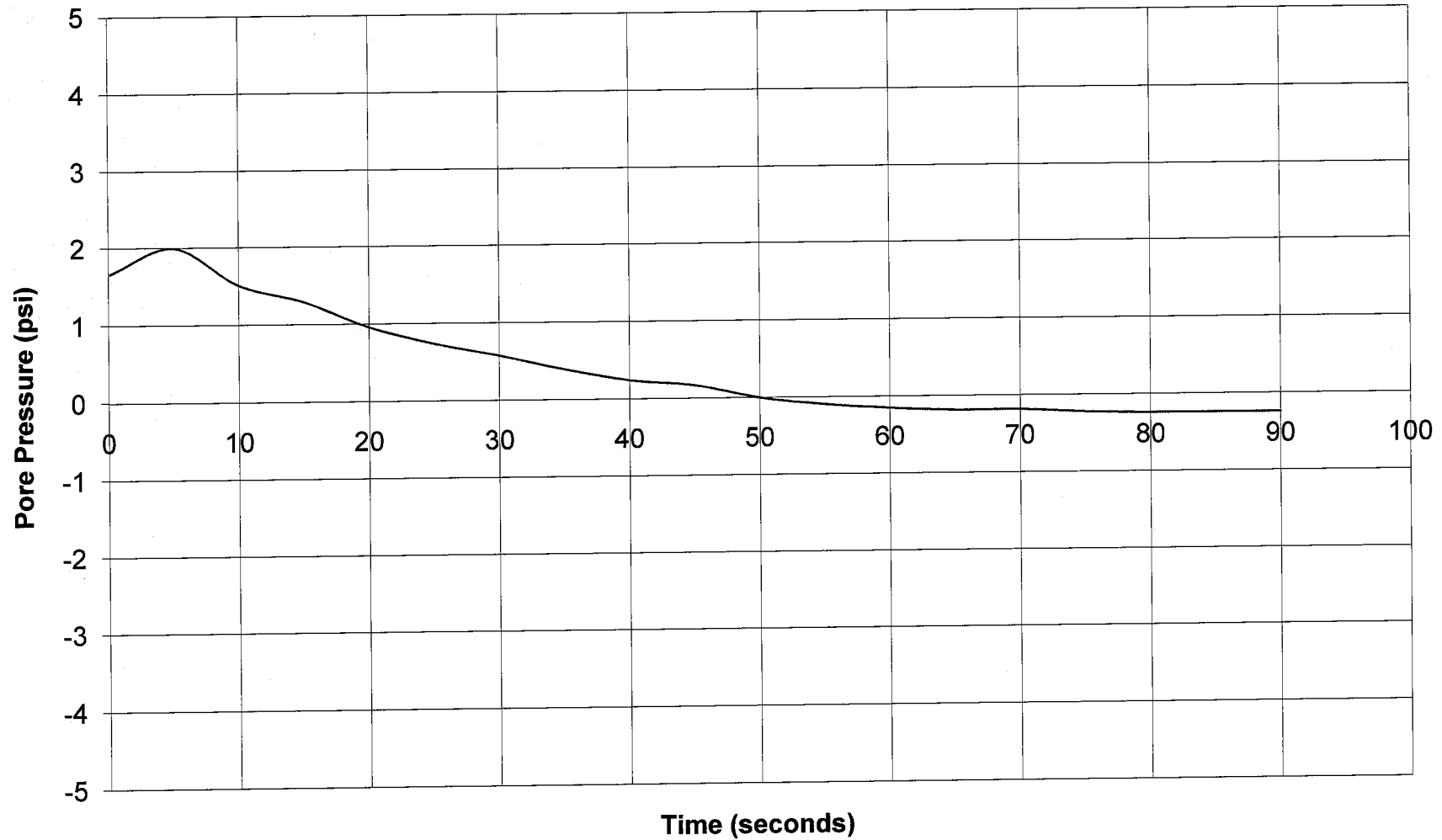




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: CPT4
Depth: 55.774
Site: CHEVRON 30-7233
Engineer: I. HULL

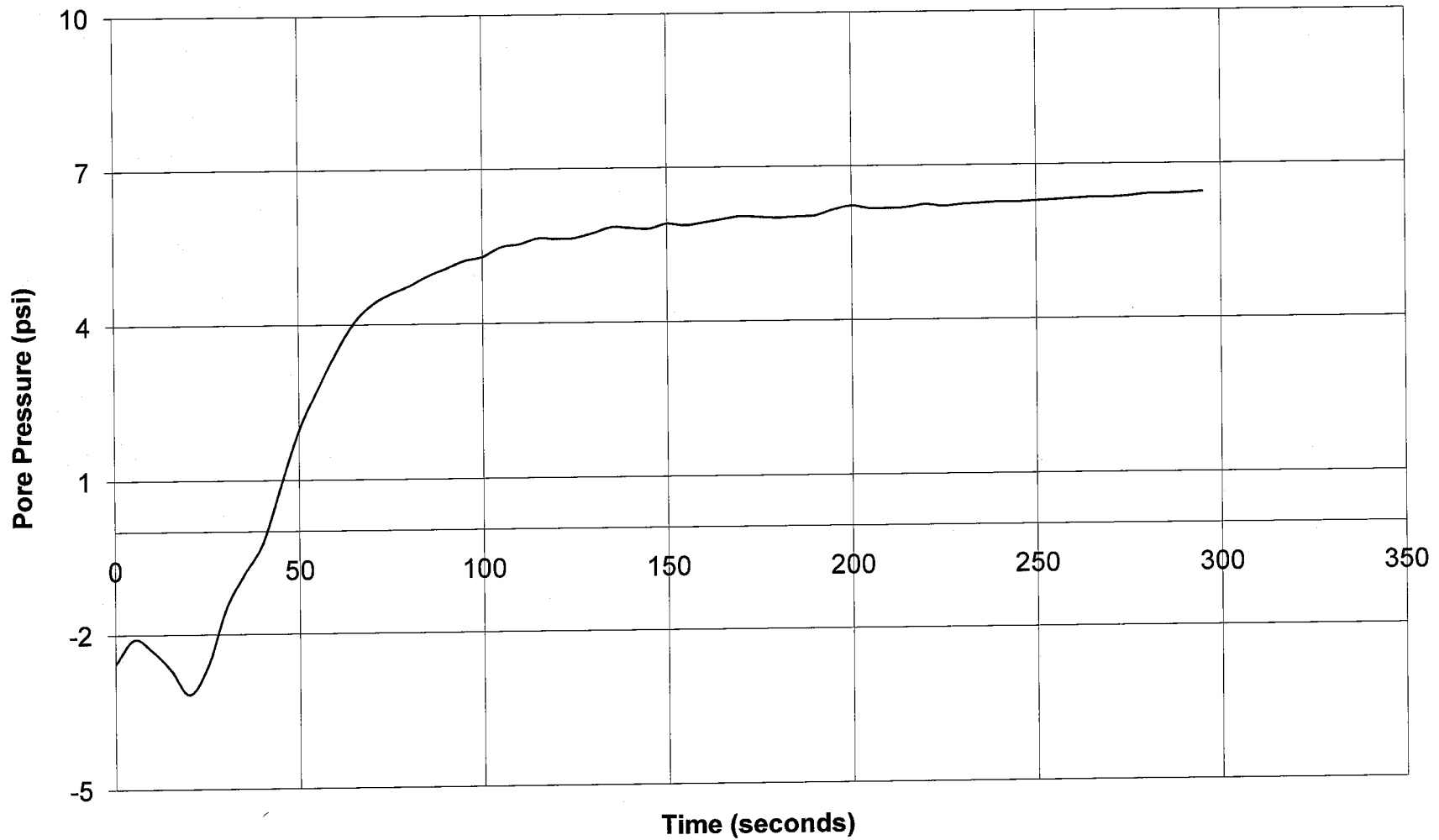




GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: CPT4
Depth: 66.109
Site: CHEVRON 30-7233
Engineer: I. HULL



APPENDIX CPT



Cone Penetration Testing Procedure (CPT)

Gregg Drilling carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*. The soundings were conducted using a 20 ton capacity cone with a tip area of 15 cm^2 and a friction sleeve area of 225 cm^2 . The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.80.

The cone takes measurements of cone bearing (q_c), sleeve friction (f_s) and penetration pore water pressure (u_2) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. CPT data reduction and interpretation is performed in real time facilitating on-site decision making. The above mentioned parameters are stored on disk for further analysis and reference. All CPT soundings are performed in accordance with revised (2002) ASTM standards (D 5778-95).

The cone also contains a porous filter element located directly behind the cone tip (u_2), *Figure CPT*. It consists of porous plastic and is 5.0mm thick. The filter element is used to obtain penetration pore pressure as the cone is advanced as well as Pore Pressure Dissipation Tests (PPDT's) during appropriate pauses in penetration. It should be noted that prior to penetration, the element is fully saturated with silicon oil under vacuum pressure to ensure accurate and fast dissipation.

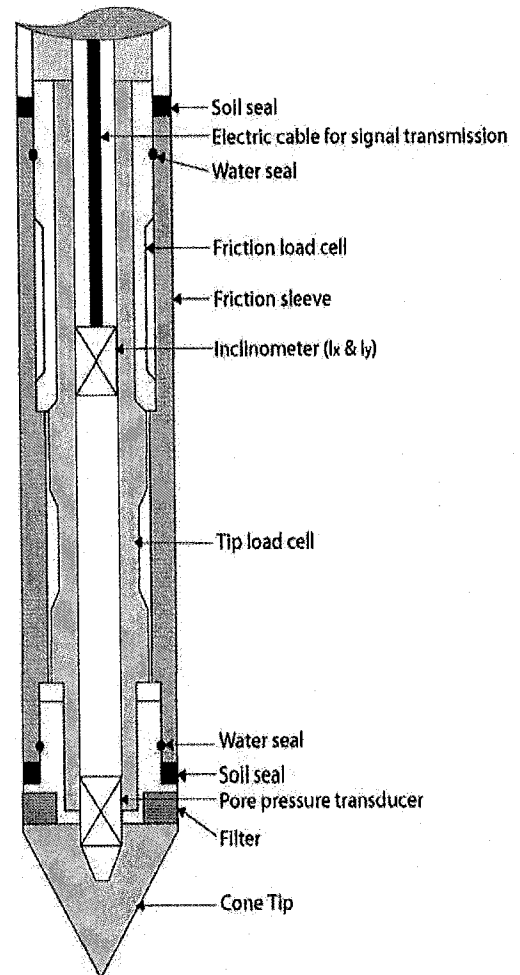


Figure CPT

When the soundings are complete, the test holes are grouted using a Gregg support rig. The grouting procedures generally consist of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.



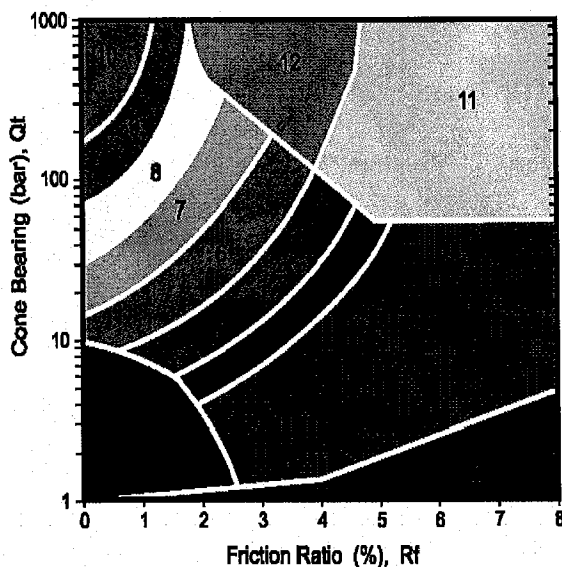
Cone Penetration Test Data & Interpretation

The Cone Penetration Test (CPT) data collected from your site are presented in graphical form in the attached report. The plots include interpreted Soil Behavior Type (SBT) based on the charts described by Robertson (1990). Typical plots display SBT based on the non-normalized charts of Robertson et al (1986). For CPT soundings extending greater than 50 feet, we recommend the use of the normalized charts of Robertson (1990) which can be displayed as SBTn, upon request. The report also includes spreadsheet output of computer calculations of basic interpretation in terms of SBT and SBTn and various geotechnical parameters using current published correlations based on the comprehensive review by Lunne, Robertson and Powell (1997), as well as recent updates by Professor Robertson. The interpretations are presented only as a guide for geotechnical use and should be carefully reviewed. Gregg Drilling & Testing Inc. do not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the software and do not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used in the software.

Some interpretation methods require input of the groundwater level to calculate vertical effective stress. An estimate of the in-situ groundwater level has been made based on field observations and/or CPT results, but should be verified by the user.

A summary of locations and depths is available in Table 1. Note that all penetration depths referenced in the data are with respect to the existing ground surface.

Note that it is not always possible to clearly identify a soil type based solely on q_t , f_s , and u_2 . In these situations, experience, judgment, and an assessment of the pore pressure dissipation data should be used to infer the correct soil behavior type.



(After Robertson, et al., 1986)

ZONE	SBT
1	Sensitive, fine grained
2	Organic materials
3	Clay
4	Silty clay to clay
5	Clayey silt to silty clay
6	Sandy silt to clayey silt
7	Silty sand to sandy silt
8	Sand to silty sand
9	Sand
10	Gravelly sand to sand
11	Very stiff fine grained*
12	Sand to clayey sand*

*over consolidated or cemented

Figure SBT

APPENDIX PPDT



Pore Pressure Dissipation Tests (PPDT)

Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals measured hydrostatic water pressures and determined the approximate depth of the ground water table. A PPDT is conducted when the cone is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure (u) with time is measured behind the tip of the cone and recorded by a computer system.

Pore pressure dissipation data can be interpreted to provide estimates of:

- Equilibrium piezometric pressure
- Phreatic Surface
- In situ horizontal coefficient of consolidation (c_h)
- In situ horizontal coefficient of permeability (k_h)

In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until such time as there is no variation in pore pressure with time, *Figure PPDT*. This time is commonly referred to as t_{100} , the point at which 100% of the excess pore pressure has dissipated.

A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1992.

A summary of the pore pressure dissipation tests is summarized in Table 1.

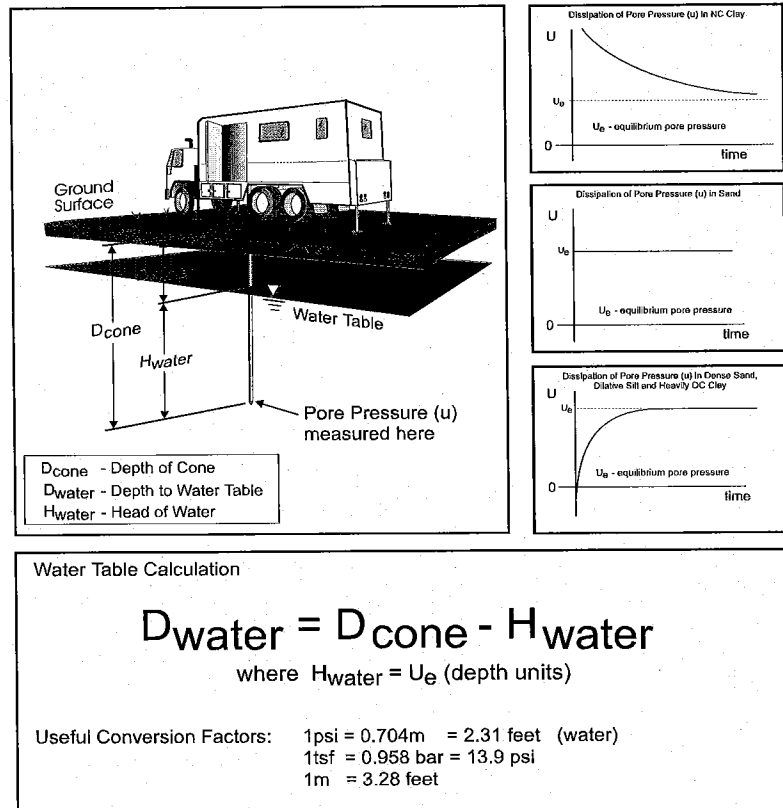


Figure PPDT

APPENDIX GWS



Groundwater Sampling (GWS)

Gregg Drilling conducts groundwater sampling using a Hydropunch® type groundwater sampler, *Figure GWS*. The groundwater sampler has a retrievable stainless steel or disposable PVC screen with steel drop off tip. This allows for samples to be taken at multiple depth intervals within the same sounding location. In areas of slower water recharge, provisions may be made to set temporary PVC well screens during sampling to allow the drill rig to advance to the next sample location while the groundwater is allowed to infiltrate.

The groundwater sampler operates by advancing 1 ¾ inch hollow push rods with the filter tip in a closed configuration to the base of the desired sampling interval. Once at the desired sample depth, the push rods are retracted; exposing the encased filter screen and allowing groundwater to infiltrate hydrostatically from the formation into the inlet screen. A small diameter bailer (approximately ½ or ¾ inch) is lowered through the push rods into the screen section for sample collection. The number of downhole trips with the bailer and time necessary to complete the sample collection at each depth interval is a function of sampling protocols, volume requirements, and the yield characteristics and storage capacity of the formation. Upon completion of sample collection, the push rods and sampler, with the exception of the PVC screen and steel drop off tip are retrieved to the ground surface, decontaminated and prepared for the next sampling event.

A summary of the groundwater samples collected, including the sampling date, depth and location identification, is presented in Table 1 and the corresponding CPT plot.

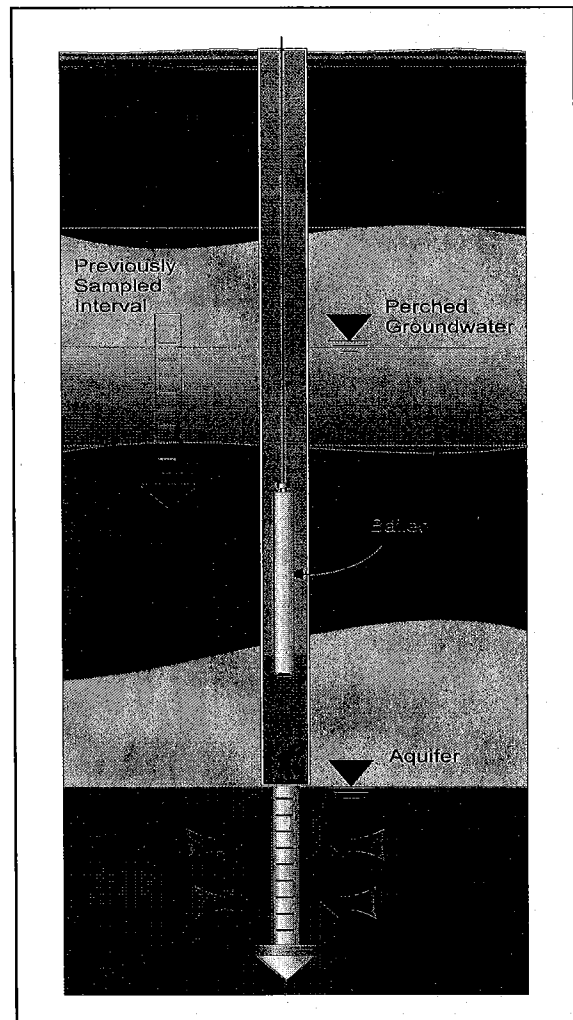


Figure GWS

For a detailed reference on direct push groundwater sampling, refer to Zemo et. al., 1992.

APPENDIX SS



Soil Sampling (SS)

Gregg Drilling uses a piston-type sampler to obtain relatively undisturbed soil samples without generating any soil cuttings, *Figure SS*. Two different types of samplers (12 and 18 inch) are used depending on the soil type and density. The soil sampler is initially pushed in a "closed" position to the desired sampling interval using a hydraulic rig. Keeping the sampler closed minimizes the potential of cross contamination caused by sloughing. The inner tip of the sampler is retracted 12 inches (or 18 inches if using the longer sampler) leaving a hollow soil sampler with two inner 1¼ inch diameter by 6 inch or four 3 inch long soil sample tubes. If using the 18 inch sampler, two 1½ inch diameter by 6 inch long tubes will be exposed. The hollow sampler is then pushed in a locked "open" position to collect a soil sample. The filled sampler and push rods are then retrieved to the ground surface. Because the soil enters the sampler at a constant rate, the opportunity for 100% recovery is increased. For environmental analysis, the soil sample tube ends are sealed with Teflon and plastic caps. Often, a longer "split tube" can be used for geotechnical sampling.

For a detailed reference on direct push soil sampling, refer to Robertson et al, 1998.

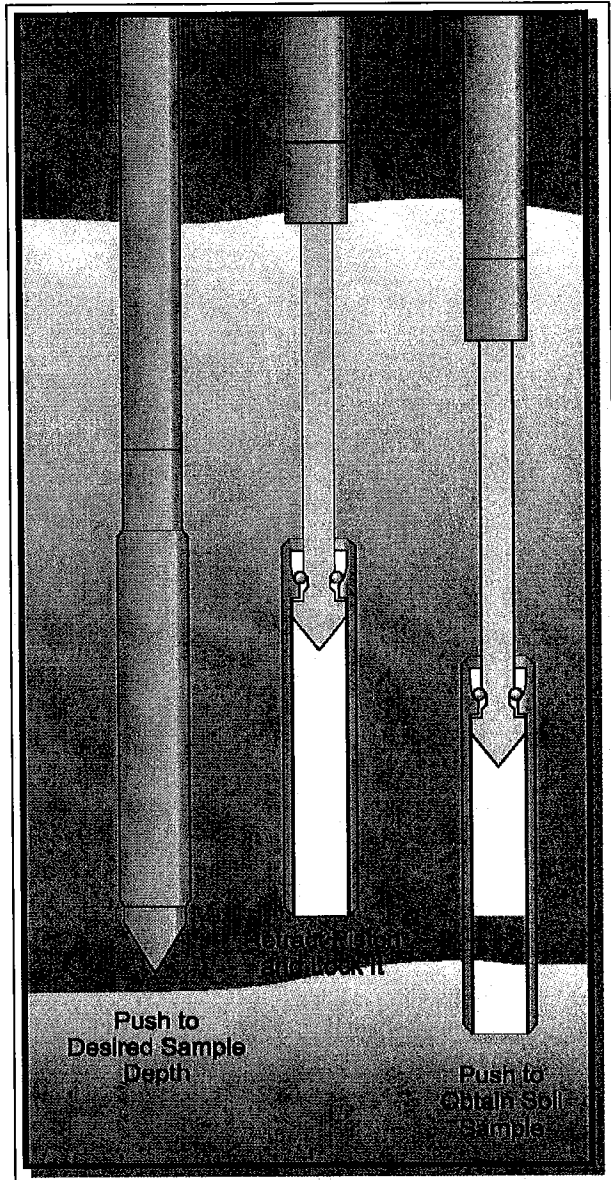


Figure SS

A summary of the soil samples collected, including the sampling date, depth and location identification, is presented in Table 1.



Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice" E & FN Spon. ISBN 0 419 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

APPENDIX F

LABORATORY ANALYTICAL REPORTS FOR SOIL AND GRAB-GROUNDWATER

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 1076371. Samples arrived at the laboratory on Thursday, February 07, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

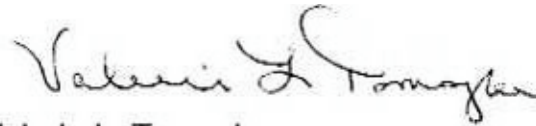
Client DescriptionCPT1-S-21-080205 Grab Soil
CPT1-S-36-080205 Grab SoilLancaster Labs Number5273884
5273885ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull

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

Respectfully Submitted,



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 Pape	25

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		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	1.0	1.0	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.	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			Dilution Factor
			Trial#	Date and Time	Analyst	
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/08/2008 04:16	Linda C Pape	25

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 %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>
----------------------	--------------------	---------------------	--------------------------	------------	--------------------	---------------------	---------------------	--------------------	------------------------

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
LCSD	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
LCSD	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



For Lancaster Laboratories use only
 Acct. #: 10880 Sample #: 5273884-85 SCR#: 1076371

020508-11

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: I. HULL
 Service Order #: _____ Non SAR: _____

Analyses Requested									
Preservation Codes									
BTEX + 8260 8021 <input type="checkbox"/>	TPH 8015 MOD. GRO	TPH 8015 MOD DRO <input checked="" type="checkbox"/>	8260 full scan	<input checked="" type="checkbox"/> Oxygenates	LEAD SCANS.	Lead 7420 <input type="checkbox"/>	7421 <input type="checkbox"/>	TPH mo 8015	

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 8021 <input type="checkbox"/>	TPH 8015 MOD. GRO	TPH 8015 MOD DRO <input checked="" type="checkbox"/>	8260 full scan	<input checked="" type="checkbox"/> Oxygenates	LEAD SCANS.	Lead 7420 <input type="checkbox"/>	7421 <input type="checkbox"/>	TPH mo 8015
CPT1-21	S		21	08	02	05	1050		X		1	X	X	X		X				X
CPT1-36	S		36	08	02	05	1308		X		1	X	X	X		X				X

Comments / Remarks
 PLEASE EMAIL RESULTS TO:
 Cevans *yc*@craeworld.com
 ihull
 EDF DATA ID:
 dohare@craeworld.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>I. Hull</i>	Date: 2/5/08	Time: 1620	Received by: <i>[Signature]</i>	Date: 2/5/08	Time: 1630
Relinquished by: <i>Andrew Quays</i>	Date: 2-6-08	Time: 1530	Received by: <i>[Signature]</i>	Date: 2-6-08	Time:
Relinquished by: _____	Date:	Time:	Received by: _____	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx <i>Other</i> <i>[Signature]</i>	Received by: <i>[Signature]</i>		Date: 2/6/08	Time: 0900	
Temperature Upon Receipt: <i>0-4</i> °C	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.

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 1076102. Samples arrived at the laboratory on Wednesday, February 06, 2008. The PO# for this group is 0015017173 and the release number is ROBB.

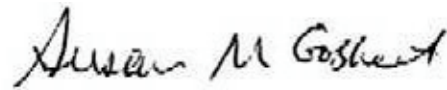
Client DescriptionCPT2-S-22-080204 Grab Soil
CPT2-S-30-080204 Grab Soil
CPT2-S-35-080204 Grab SoilLancaster Labs Number5272235
5272236
5272237ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull

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

Respectfully Submitted,



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	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	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 Pape	25

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

ChevronTexaco

Reported: 02/18/2008 at 10:01

6001 Bollinger Canyon Rd L4310

Discard: 03/20/2008

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

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	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 13:22		Linda C Pape	25

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

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 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.	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.

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

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

Group Number: 1076102

Reported: 02/18/08 at 10:01 AM

<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
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.

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.

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

Client DescriptionLancaster Labs Number

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

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

Respectfully Submitted,



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. 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

ChevronTexaco

Reported: 02/12/2008 at 13:07

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 00:08	Linda C Pape	25

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

ChevronTexaco

Reported: 02/12/2008 at 13:07

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

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

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

ChevronTexaco

Reported: 02/12/2008 at 13:07

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

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 CETE

2259 First St-Livermore T0600196622 SB7

Collected: 01/30/2008 09:15 by IH

Account Number: 10880

Submitted: 02/01/2008 10:00

ChevronTexaco

Reported: 02/12/2008 at 13:07

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

San Ramon CA 94583

23373

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	3.7		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

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

ChevronTexaco

Reported: 02/12/2008 at 13:07

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

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

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

ChevronTexaco

Reported: 02/12/2008 at 13:07

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

San Ramon CA 94583

23374

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	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

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

ChevronTexaco

Reported: 02/12/2008 at 13:07

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

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		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	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 02:42	Linda C Pape	25

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/05/2008 03:21	Linda C Pape	25

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

ChevronTexaco

Reported: 02/12/2008 at 13:07

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

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

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

<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: 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

<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: 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

<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 RPD</u> <u>Max</u>
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



244050

013108-04

For Lancaster Laboratories use only
 Acct. # 10880 Sample # 5209393-30399 SCR# _____
② 2.1 356 2/1/08

Facility #: <u>30-7233 (AIL)</u> Site Address: <u>2259 FIRST ST., LIVERMORE, CA</u> Chevron PM: <u>I. ROBB</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>IH</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____							Analyses Requested										Group <u>1075607</u>				
							Preservation Codes										Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other				
							Total Number of Containers: _____ BTEX + MTBE 8260 <input type="checkbox"/> 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 XAN. _____ Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> TPH MO 8015 _____ LEAD 6010 _____										<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				
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	8260 full scan	7 Oxygenates LEAD XAN.	Lead 7420	7421	TPH MO 8015	LEAD 6010	Comments / Remarks		
SB7-9.5	S		9.5	08 01 30	0900		X	1	X	X	X		X	X	X		X	X	PLEASE E-MAIL RESULTS TO: CEVANS ihull > @craworld.com EDF DATA TO: dohare@craworld.com		
SB7-19.5			19.5		0910		X	1	X	X	X		X	X	X		X	X			
SB7-29.5			29.5		0915		X	1	X	X	X		X	X	X		X	X			
SB7-34.5			34.5		0925		X	1	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			
SB6-19.5			19.5		1215		X	1	X	X	X		X	X	X		X	X			
SB6-24			24		1220		X	1	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>1/30/08</u> Time: <u>1610</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>1/31/08</u> Time: <u>11:50</u>		Received by: <u>[Signature]</u> Date: <u>1/31/08</u> Time: <u>1150</u>	
Relinquished by Commercial Carrier: UPS FedEx Other <u>Other</u>			Date: <u>1/31/08</u> Time: <u>1415</u>		Received by: <u>[Signature]</u> Date: <u>2/1/08</u> Time: <u>1400</u>	
Temperature Upon Receipt: <u>10.31</u> °C			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.

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

Client DescriptionSB-9-S-15-080129 Grab Soil
SB-9-S-27.5-080129 Grab Soil
SB-9-S-34.5-080129 Grab Soil
SB-9-S-46.5-080129 Grab Soil
SB-9-S-54.5-080129 Grab SoilLancaster Labs Number5268359
5268360
5268361
5268362
5268363ELECTRONIC 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,



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 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	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
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 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	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

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

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

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

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		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	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/01/2008 00:21	Linda C Pape	25

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		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	5.77		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	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	1.09
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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/01/2008 00:57	Linda C Pape	25

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

ChevronTexaco

Reported: 02/12/2008 at 08:39

6001 Bollinger Canyon Rd L4310

Discard: 03/14/2008

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

<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: 08030A34B TPH-GRO - Soils	Sample number(s): 5268359-5268363 N.D.	1.0	mg/kg	102		67-119		
Batch number: 080325708002 Lead	Sample number(s): 5268359-5268363 N.D.	0.490	mg/kg	104		90-110		
Batch number: 080350013A Total TPH	Sample number(s): 5268359-5268363 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	Sample number(s): 5268359-5268363 N.D.	4.0	mg/kg	93	96	71-109	2	20
Batch number: B080321AA Methyl Tertiary Butyl Ether	Sample number(s): 5268359-5268363 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

<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: 08030A34B TPH-GRO - Soils	Sample number(s): 5268359-5268363 97	104	39-118	8	30	UNSPK: P262899			
Batch number: 080325708002 Lead	Sample number(s): 5268359-5268363 103	95	75-125	5	20	UNSPK: 5268360 BKG: 5268360	7.92 7.51	5	20
Batch number: B080321AA Methyl Tertiary Butyl Ether	Sample number(s): 5268359-5268363 109		59-119			UNSPK: 5268359			
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>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#:

013008-14

Facility #: 30-7233 (AIL)

Site Address: 2259 First St., Livermore, CA

Chevron PM: IAN 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

Analysis	Preservation Code	Requested
BTEX + MIBK	8260	<input checked="" type="checkbox"/>
8021	8021	<input type="checkbox"/>
TPH 8015 MOD GRO	GRO	<input type="checkbox"/>
TPH 8015 MOD BRO	Silica Gel Cleanup	<input checked="" type="checkbox"/>
8260 full scan		<input type="checkbox"/>
Oxygenates	LEAD SCANS	<input checked="" type="checkbox"/>
Lead 7420	7421	<input type="checkbox"/>
TPHM	8015M	<input type="checkbox"/>
LEAD	6010	<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 + MIBK	8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD BRO	Silica Gel Cleanup	8260 full scan	Oxygenates	LEAD SCANS	Lead 7420	7421	TPHM	8015M	LEAD	6010
SBM-9-15	S		15	08 01 29	920		X		1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SBM-9-27.5	S		27.5	08 01 29	1013		X		1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SBM-9-34.5	S		34.5	08 01 29	1030		X		1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SBM-9-46.5	S		46.5	08 01 29	1107		X		1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SBM-9-54.5	S		54.5	08 01 29	1136		X		1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Comments / Remarks

Please email EDF to dehare@croworld.com email results to ihull@croworld.com + cevas@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: <i>[Signature]</i>	Date: <u>1/24/08</u>	Time: <u>1730</u>	Received by: <u>SECURE LOCATION</u>	Date:	Time:
Relinquished by: <i>[Signature]</i>	Date: <u>1/30/08</u>	Time: <u>1510</u>	Received by: <i>[Signature]</i>	Date: <u>30 JAN 08</u>	Time: <u>1510</u>
Relinquished by: <i>[Signature]</i>	Date: <u>30 JAN 08</u>	Time: <u>1630</u>	Received by: <u>(OHL)</u>	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other: <u>DHL</u>	Temperature Upon Receipt: <u>05-4.0 C</u>		Received by: <i>[Signature]</i>	Date: <u>1/30/08</u>	Time: <u>1000</u>
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.

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

Client DescriptionLancaster Labs Number

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

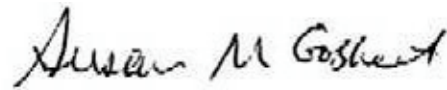
ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull

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

Respectfully Submitted,



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

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

ChevronTexaco

Reported: 02/13/2008 at 10:31

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	38.9		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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/13/2008 at 10:31

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	9.52		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

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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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

Page 1 of 1

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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	7.34		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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	17.4	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 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	As Received	Units	Dilution Factor
			Result	Method		
01725	TPH-GRO - Soils	n.a.	1.2	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.	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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
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

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

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 and 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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	160.		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

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 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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	42.8		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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

Page 1 of 1

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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	517.		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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

Page 1 of 1

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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/13/2008 at 10:32

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
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	Sample number(s): N.D.	4.0	5272412, 5272414, 5272416 mg/kg	96	94	71-109	2	20
Batch number: 080385708001 Lead	Sample number(s): N.D.	0.490	5272407-5272421 mg/kg	93		90-110		
Batch number: 080385708002 Lead	Sample number(s): N.D.	0.490	5272422 mg/kg	96		90-110		
Batch number: 08038A02A TPH-GRO - Soils	Sample number(s): N.D.	1.0	5272412, 5272414, 5272416 mg/kg	93		67-119		
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)	Sample number(s): N.D.	0.0005 0.001 0.001 0.001 0.020 0.0005 0.001 0.001 0.001 0.001 0.001 0.001	5272412, 5272414, 5272416 mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	104 97 100 101 100 99 106 98 104 97 98	105 101 102 105 100 102 108 102 104 97 98	72-117 72-120 67-124 73-116 66-146 84-115 76-135 81-116 77-114 82-115 82-117	1 4 2 4 0 3 2 4 0 1 0	30 30 30 30 30 30 30 30 30 30 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	Sample number(s): 154*	176*	5272407-5272421 75-125	6	20	UNSPK: P267812 21.9	BKG: P267812 28.0	24*	20
Batch number: 080385708002 Lead	Sample number(s): 94	100	5272422 75-125	4	20	UNSPK: P272254 8.93	BKG: P272254 9.69	8	20
Batch number: 08038A02A TPH-GRO - Soils	Sample number(s): 74	80	5272412, 5272414, 5272416 39-118	8	30	UNSPK: P266499			
Batch number: B080421AB Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether	Sample number(s): 100 100 97		5272412, 5272414, 5272416 59-119 58-113 60-112			UNSPK: P275147			

*- 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

<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 RPD</u> <u>Max</u>
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.

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



For Lancaster Laboratories use only 241885
 Acct. #: 10880 Sample #: 5272407-22 SCR#: 1076137

026408-16

Facility #: 30-7233 (A1L)
 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: _____

Analyses Requested

Preservation Codes										
BTEX + MTBE	8260	<input checked="" type="checkbox"/> 8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	<input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	<input checked="" type="checkbox"/> Oxygenates	LEAD	SCAVS
Lead	7420	<input type="checkbox"/> 7421	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	<input checked="" type="checkbox"/> 8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	<input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	<input checked="" type="checkbox"/> Oxygenates	LEAD	SCAVS	Lead 7420	<input type="checkbox"/> 7421	LEAD	6010
SSB3-1.5	S		1.5	08 01 30	1440		X		1	X													X	
SSB1-1.5			1.5	08 01 31	1005		X		1														X	
SSB1-3			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													X	

Comments / Remarks
 RESULTS TO:
 CEVANS > @craworld.com
 ihull
 EDF DATA TO:
 clohare@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>2/4/08</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: <u>1600</u>
Relinquished by Commercial Carrier: <u>[Signature]</u>	UPS FedEx Other: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date: <u>2/6/08</u>	Time: <u>1600</u>	
Temperature Upon Receipt: <u>11.24°C</u>	Custody Seals Intact: Yes <input checked="" type="checkbox"/> No				

Chevron California Region Analysis Request/Chain of Custody



Acct. #: 10880 For Lancaster Laboratories use only
 Sample #: 5272407-22

241889
 SCR#: 1076137

020408-17

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: I. ROOD Lead Consultant: CRA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: C. EVANS
 Consultant Phone #: 510-420-3344 Fax #: 510-420-9170
 Sampler: L. HULL
 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"/>
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 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> LEAD GAO									

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	8260 full scan	Oxygenates	Lead 7420	7421	LEAD GAO
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								X
SSB4-2.5	S		2.5	08 02 01	1418		X		1								X
SSB8-9.5	S		9.5	08 02 01	1420		X		1								X
SSB4-4.5	S		4.5	08 02 01	1427		X		1								X
SSB4-9	S		9	08 02 01	1455		X		1								X

Comments / Remarks
 PLEASE EMAIL RESULTS TO:
 CEVANS > @covecork.com
 ihull
 EDF DATA TO:
 clchore@covecork.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>2/4/08</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:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other <u>AK</u>	Date:	Time:	Received by: <u>[Signature]</u>	Date: <u>2/6/08</u>	Time: <u>1616</u>
Temperature Upon Receipt: <u>1-0-4-6 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.

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 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

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,



Max E. Snavely
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	3.97		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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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 No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	9.34		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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/14/2008 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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

ChevronTexaco

Reported: 02/14/2008 at 13:12

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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: 717-656-2681 • 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

ChevronTexaco

Reported: 02/14/2008 at 13:12

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	98.9		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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/14/2008 at 13:12

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	52.4		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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/14/2008 at 13:12

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:12

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	9.67		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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

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

ChevronTexaco

Reported: 02/14/2008 at 13:12

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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	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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
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

ChevronTexaco

Reported: 02/14/2008 at 13:12

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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

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

ChevronTexaco

Reported: 02/14/2008 at 13:12

6001 Bollinger Canyon Rd L4310

Discard: 03/16/2008

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			Dilution Factor
			Trial#	Date and Time	Analyst	
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	N.D.	0.490	mg/kg	101		90-110		
Batch number: 080425708002 Lead	N.D.	0.490	mg/kg	103		90-110		
Batch number: 080445708001 Lead	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	99	100	75-125	0	20	7.54	7.79	3	20
Batch number: 080425708002 Lead	149 (2)	117 (2)	75-125	5	20	67.2	125.	60*	20
Batch number: 080445708001 Lead	118 (2)	42325	75-125	182*	20	236.	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

Acct. #: **10880**

For Lancaster Laboratories use only
Sample #: **5275482-504**

SCR#: **241894**

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									
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>
<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"/>								

Chevron California Region Analysis Request/Chain of Custody



COC #
020708-04-3

Acct. #: 10880

For Lancaster Laboratories use only
Sample #: 5275482-504

241891
SCR#: 1076648

Facility #: 30-7233 (AIL)
 Site Address: 22591 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									
Grab	Composite	Total Number of Containers	BTEX + MTBE 8280 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	LEAD GOLD

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 8280 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	LEAD GOLD
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@CRAWORLD.COM

EDF 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>I. Hull</u>	Date: 2/7/08	Time: 1130	Received by: <u>Andrew Dwyer</u>	Date: 2-7-08	Time: 1215
Relinquished by: <u>Andrew Dwyer</u>	Date: 2-7-08	Time: 1530	Received by: <u>DJR</u>	Date: 2-7-08	Time:
Relinquished by: _____	Date:	Time:	Received by: _____	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other <u>Other</u>	Temperature Upon Receipt: <u>0-1-32°C</u>		Received by: <u>John</u>	Date: 2/8/08	Time: 0950
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.

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.

Client Description**Lancaster Labs Number**

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

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

Respectfully Submitted,



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

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		Units	Dilution Factor
				Method	Detection Limit		
01725	TPH-GRO - Soils	n.a.	1.0	1.0	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	6.12	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	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	0.95
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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 16:55	Linda C Pape	25

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

Page 1 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

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	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	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	02/07/2008 17:31	Linda C Pape	25

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



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

ChevronTexaco

Reported: 02/20/2008 at 14:34

6001 Bollinger Canyon Rd L4310

Discard: 03/22/2008

San Ramon CA 94583

LIV18

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	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

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		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	4.22		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	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	02/07/2008 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

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

ChevronTexaco

Reported: 02/20/2008 at 14:34

6001 Bollinger Canyon Rd L4310

Discard: 03/22/2008

San Ramon CA 94583

LIV24

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.	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	n.a.	54.	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	0.92
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



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. 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

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

ChevronTexaco

Reported: 02/20/2008 at 14:34

6001 Bollinger Canyon Rd L4310

Discard: 03/22/2008

San Ramon CA 94583

LIV29

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	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	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	0.95
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		Analyst	Dilution Factor
				Date and Time			
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008	21:10	Linda C Pape	25

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

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

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

ChevronTexaco

Reported: 02/20/2008 at 14:34

6001 Bollinger Canyon Rd L4310

Discard: 03/22/2008

San Ramon CA 94583

LI819

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	10.3	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	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/07/2008 21:47	Linda C Pape	25

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



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. 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		Units	Dilution Factor
				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.	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	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	02/07/2008	22:23	Linda C Pape	25

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	n.a.	530.		40.	mg/kg	1000
	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.	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	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. The chlorobenzene surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.						
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)	1330-20-7	N.D.		0.054	mg/kg	53.76

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.

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and 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

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		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	8.93	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	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	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	02/08/2008 02:57	Linda C Pape	25

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

<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: 08037A31B TPH-GRO - Soils	Sample number(s): 5272245-5272252 N.D.	1.0	mg/kg	82		67-119		
Batch number: 080380006A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5272246-5272254 N.D.	4.0	mg/kg	96	94	71-109	2	20
Batch number: 080380007A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5272246-5272254 N.D. N.D.	5.0 5.0	mg/kg mg/kg	90 90	90	66-113	0	20
Batch number: 080385708002 Lead	Sample number(s): 5272245-5272254 N.D.	0.490	mg/kg	96		90-110		
Batch number: 08038A02A TPH-GRO - Soils	Sample number(s): 5272253-5272254 N.D.	1.0	mg/kg	93		67-119		
Batch number: 080430010A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5272245 N.D.	4.0	mg/kg	98	100	71-109	2	20
Batch number: 080500001A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5272245 N.D. N.D.	10. 10.	mg/kg mg/kg	97 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)	Sample number(s): 5272247-5272252,5272254 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.0005 0.001 0.001 0.001 0.020 0.0005 0.001 0.001 0.001 0.001 0.001	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	104 97 100 101 100 99 106 98 104 95 98	105 101 102 105 100 102 108 102 104 97 98	72-117 72-120 67-124 73-116 66-146 84-115 76-135 81-116 77-114 82-115 82-117	1 4 2 4 0 3 2 4 0 1 0	30 30 30 30 30 30 30 30 30 30 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	Sample number(s): 5272245-5272246 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.0005 0.001 0.001 0.001 0.020 0.0005 0.001 0.001 0.001 0.001	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	99 94 95 97 98 98 101 96 101 93	96 96 94 93 105 103 113 103 103 99	72-117 72-120 67-124 73-116 66-146 84-115 76-135 81-116 77-114 82-115	4 2 1 5 7 5 11 7 2 6	30 30 30 30 30 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: 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

<u>Analysis Name</u>	<u>MS</u>	<u>MSD</u>	<u>MS/MSD</u>	<u>RPD</u>	<u>RPD</u>	<u>BKG</u>	<u>DUP</u>	<u>DUP</u>	<u>Dup RPD</u>
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
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
<hr/>				
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
<hr/>				
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
<hr/>				
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



241887

For Lancaster Laboratories use only

Acct. #: 10880 Sample #: 5272245-254 SCR#: _____

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	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	TPH MO	LEAD	GOLD	PHYSICAL PARAMETERS
<input type="checkbox"/>	<input 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"/>
Total Number of Containers: <u>8260</u> <input type="checkbox"/> <u>8021</u> <input type="checkbox"/> <u>TPH 8015 MOD GRO</u> <u>Silica Gel Cleanup</u> <u>LEAD SCANS</u> <u>LEAD GOLD</u> <u>PHYSICAL PARAMETERS</u>									

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	Oxygenates	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			
VP1-8	S		8		1000		X	1	X	X	X		X		X	X	X		
VP1-1.5	S		8		1110		X	1	X	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
 cevans, @cravworld.
 ihull com

EDF to :
 dchara@cravworld.
 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>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: <u>1600</u>
Relinquished by Commercial Carrier: <u>[Signature]</u>	UPS	FedEx	Other: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1600</u>
Temperature Upon Receipt: <u>1.54 °C</u>	Custody Seals Intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only 241884
 Acct. #: 10880 Sample #: 5272245-254 SCR#: _____

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: 1H
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes

Analysis	Preservation Code	Requested
BTEX + 8260 8260	8260	<input checked="" type="checkbox"/>
TPH 8015 MOD GRO	GRO	<input checked="" type="checkbox"/>
TPH 8015 MOD DRO	Silica Gel Cleanup	<input checked="" type="checkbox"/>
8260 full scan		<input type="checkbox"/>
Oxygenates	LEAD SCAUS.	<input checked="" type="checkbox"/>
Lead 7420	7421	<input type="checkbox"/>
TPH no 8015		<input checked="" type="checkbox"/>
LEAD 6010		<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 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	TPH no 8015	LEAD 6010
SB8-19.5	S		19.5	08	01	31	0915		X		1	X	X	X		X		X	X
SB8-29.5	I		29.5				1035		I		I	I	I	I		I		I	I
SB8-34.5	I		34.5				1040		I		I	I	I	I		I		I	I
SB8-39.5	I		39.5				1045		I		I	I	I	I		I		I	I

Comments / Remarks
 Please email results to:
 cevans@croworld.com
 ihull@croworld.com
 EDF DATA TO:
 dolhare@croworld.com

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

Relinquished by: <i>[Signature]</i>	Date: 2/4/08	Time: 1535	Received by: <i>[Signature]</i>	Date: 2/4/08	Time: 1535
Relinquished by: <i>[Signature]</i>	Date: 2-7-08	Time: 1600	Received by: <i>[Signature]</i>	Date: 2-7-08	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other <i>[Signature]</i>	Temperature Upon Receipt: <u>10-42 C°</u>		Received by: <i>[Signature]</i>	Date: 2/10/08	Time: 1010
Customary Seals Intact: Yes <input checked="" type="checkbox"/>					

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

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.

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 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 DescriptionSB-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 SoilLancaster Labs Number5267812
5267813
5267814
5267815ELECTRONIC 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 Dulaney
Senior Specialist

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		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.	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.

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

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01725	TPH-GRO - Soils	SW-846 8015B modified	1	01/31/2008 19:13	Linda C Pape	25

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		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	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

ChevronTexaco

Reported: 02/11/2008 at 11:32

6001 Bollinger Canyon Rd L4310

Discard: 03/13/2008

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

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

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

<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: 08030A34B TPH-GRO - Soils	Sample number(s): 5267812-5267815 N.D.	1.0	mg/kg	102		67-119		
Batch number: 080310009A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5267812-5267815 N.D.	4.0	mg/kg	104	97	71-109	7	20
Batch number: 080310010A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5267812-5267815 N.D. N.D.	10. 10.	mg/kg mg/kg	78	79	66-113	2	20
Batch number: 080385708001 Lead	Sample number(s): 5267812-5267815 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)	Sample number(s): 5267812-5267815 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. N.D.	0.0005 0.001 0.001 0.001 0.020 0.0005 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	98 90 94 94 95 95 118 96 99 93 93	96 87 91 91 92 90 114 90 97 88 88	72-117 72-120 72-115 73-116 59-154 84-115 76-126 81-116 77-114 82-115 82-117	3 4 4 3 3 6 3 6 1 5 5	30 30 30 30 30 30 30 30 30 30 30 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: 08030A34B TPH-GRO - Soils	Sample number(s): 5267812-5267815 97	104	39-118	8	30	UNSPK: P262899			
Batch number: 080385708001 Lead	Sample number(s): 5267812-5267815 154*	176*	75-125	6	20	UNSPK: 5267812 BKG: 5267812	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	Sample number(s): 5267812-5267815 83 76 78 77 87		59-119 58-113 60-112 63-112 51-134			UNSPK: 5267812			

*- 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

<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 RPD</u> <u>Max</u>
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.

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.

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



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

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

ChevronTexaco

Reported: 03/11/2008 at 10:03

6001 Bollinger Canyon Rd L4310

Discard: 04/11/2008

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



Acct. #: 10880

For Lancaster Laboratories use only
Sample #: 5272263

SCR#: 241887

020408-20

Group 1074106

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									
8021	8260	8021	8260	8021	8260	8021	8260	8021	8260
BTEX + MTBE	TPH 8015 MOD GRO	TPH 8015 MOD DFO	8260 full scan	Oxygenates LEAD XANES	Lead 7420	TPH MO	LEAD GC10	PHYSICAL PARAMETERS	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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	TPH 8015 MOD GRO	TPH 8015 MOD DFO	8260 full scan	Oxygenates LEAD XANES	Lead 7420	TPH MO	LEAD GC10	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	I	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		1.5		1110		X		1	X	X	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
 cevens, @craworld.
 ihull com

EDF to:
 dchara@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>2/4/08</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>DHL</u>			Received by: <u>[Signature]</u>	Date: <u>2/4/08</u>	Time: <u>1600</u>
Temperature Upon Receipt: <u>104.20°</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.

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.	SAMPLE ORIENTATION (1)	METHODS: 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

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.

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 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 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

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		Units	Dilution Factor
				Method	Detection Limit		
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.

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

ChevronTexaco

Reported: 02/21/2008 at 14:05

6001 Bollinger Canyon Rd L4310

Discard: 03/23/2008

San Ramon CA 94583

CPT1-

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	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

<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: 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

<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: 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.

Chevron California Region Analysis Request/Chain of Custody



020508-1D

Acct. #: 10880

For Lancaster Laboratories use only
Sample #: 5273882

241890
SCR#: _____

1076369

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 #: 510-420-344 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes

BTEX + MTBE 8260	<input type="checkbox"/> 8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	<input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	<input checked="" type="checkbox"/> Oxygenates	LEAD SCANS.	Lead 7420	<input type="checkbox"/> 7421	TPH mo	8015
-----------------------------	-------------------------------	--------------	-----	------------------	--	----------------	--	-------------	-----------	-------------------------------	--------	------

Preservative Codes

H = HCl	T = Thiosulfate
N = HNO ₃	B = NaOH
S = H ₂ SO ₄	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	TPH 8015 MOD DRO	8260 full scan	<input checked="" type="checkbox"/> Oxygenates	LEAD SCANS.	Lead 7420	TPH mo	8015	
CPT 1	W			08	02	05	1230		X		10	X	X	X		X			X		

Comments / Remarks
 PLEASE EMAIL 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: <u>[Signature]</u>	Date: <u>2/5/08</u>	Time: <u>1620</u>	Received by: <u>[Signature]</u>	Date: <u>2/5/08</u>	Time: <u>1632</u>
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 Commercial Carrier: UPS FedEx <u>Other DAE</u>	Received by: <u>[Signature]</u>		Date: <u>2/7/08</u>	Time: <u>0920</u>	
Temperature Upon Receipt: <u>9-24.1 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.

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

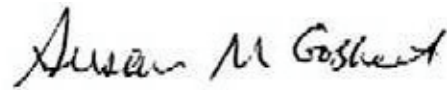
Client DescriptionSB7-W-080130 Grab Water
SB6-W-080130 Grab WaterLancaster Labs Number5269524
5269525ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull

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

Respectfully Submitted,



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

ChevronTexaco

Reported: 02/13/2008 at 12:11

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

San Ramon CA 94583

LVS7

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

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

ChevronTexaco

Reported: 02/13/2008 at 12:11

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

San Ramon CA 94583

LVS7

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

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

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

ChevronTexaco

Reported: 02/13/2008 at 12:11

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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.

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

ChevronTexaco

Reported: 02/13/2008 at 12:11

6001 Bollinger Canyon Rd L4310

Discard: 03/15/2008

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

<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: 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

<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: 08036A08A TPH-GRO - Waters	118		63-154						
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

<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 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-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

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.

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

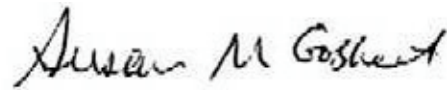
Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425SAMPLE GROUP

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
52723771 COPY TO CRA
ELECTRONIC CRA
COPY TOAttn: Charlotte Evans
Attn: I Hull

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

Respectfully Submitted,



Susan M. Goshert
Group Leader

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		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	4,100.	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.	10,000.	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.	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	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

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

ChevronTexaco

Reported: 02/18/2008 at 12:36

6001 Bollinger Canyon Rd L4310

Discard: 03/20/2008

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



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. 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

ChevronTexaco

Reported: 02/18/2008 at 12:36

6001 Bollinger Canyon Rd L4310

Discard: 03/20/2008

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	n.a.	18,000.	1,300.	ug/l	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.					
02202	TPH-DRO (Water) w/Si Gel	n.a.	52,000.	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.					
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

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

ChevronTexaco

Reported: 02/18/2008 at 12:36

6001 Bollinger Canyon Rd L4310

Discard: 03/20/2008

San Ramon CA 94583

SB8-W

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	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

<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: 080380002A TPH-DRO (Water) w/Si Gel	Sample number(s): 5272376-5272377 N.D.	29.	ug/l	91	93	60-124	1	20
Batch number: 08038A08A TPH-GRO - Waters	Sample number(s): 5272377 N.D.	50.	ug/l	81	77	75-135	5	30
Batch number: 080390019A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5272376 N.D. N.D.	40. 40.	ug/l ug/l	84	81	60-120	3	20
Batch number: 08041A54A TPH-GRO - Waters	Sample number(s): 5272376 N.D.	50.	ug/l	95	101	75-135	6	30
Batch number: D080394AA 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): 5272376 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	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	99 106 105 105 101 104 98 107 100 104 108		73-119 70-123 74-120 79-113 74-117 78-119 69-135 85-115 81-114 82-119 83-113		
Batch number: D080423AB 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): 5272377 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	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	95 107 106 100 98 102 90 102 89 102 102		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

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

Group Number: 1076134

Reported: 02/18/08 at 12:36 PM

<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
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 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 Methyl Tertiary Butyl Ether	99	97	69-127	2	30	Sample number(s): 5272377 UNSPK: P273179			
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
 Acct. #: 10880 Sample #: S272376-77 SCR#: 241886
1076134

020408-21

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: LH
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes									
BTEX + PAHs 8260	<input type="checkbox"/> 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	<input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	<input checked="" type="checkbox"/> Oxygenates LEAD SCANS	Lead 7420	<input type="checkbox"/> 7421	

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 + PAHs 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	<input checked="" type="checkbox"/> Oxygenates LEAD SCANS	Lead 7420	7421
SB8	W			08 01 31			X		7	X	X	X		X		

Comments / Remarks
 PLEASE E-MAIL RESULTS TO:
 cevans >@craworld.com
 ihull
 EDF DATA TO:
 dchane@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>2/4/08</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: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other: <u>Other</u>	Received by: <u>[Signature]</u>			Date: <u>2/6/08</u>	Time: <u>1600</u>
Temperature Upon Receipt: <u>10-4-2</u> °C	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.

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 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

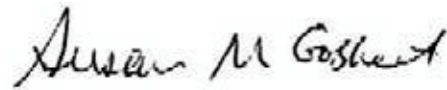
ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: I Hull

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

Respectfully Submitted,



Susan M. Goshert
Group Leader

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		Units	Dilution Factor
				Method	Detection Limit		
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

ChevronTexaco

Reported: 03/05/2008 at 17:36

6001 Bollinger Canyon Rd L4310

Discard: 04/05/2008

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 Date and Time	Analyst	Dilution Factor
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	Sample number(s): 5268370 N.D.	0.5	ug/l	100		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	111		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	100		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	97		74-117		
Benzene	N.D.	0.5	ug/l	105		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	96		69-135		
Toluene	N.D.	0.5	ug/l	106		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	97		81-114		
Ethylbenzene	N.D.	0.5	ug/l	104		82-119		
Xylene (Total)	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

<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	UNSPK: P267573 BKG: P267573 9.4	13.3	35* (1)	20
Batch number: 08032A08A TPH-GRO - Waters	Sample number(s): 5268370 109		63-154			UNSPK: P268269			
Batch number: D080371AA Methyl Tertiary Butyl Ether	Sample number(s): 5268370 102	101	69-127	0	30	UNSPK: P267768			
di-Isopropyl ether	116	115	68-129	1	30				
Ethyl t-butyl ether	108	107	78-119	0	30				
t-Amyl methyl ether	102	104	72-125	2	30				
t-Butyl alcohol	96	95	70-121	1	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>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
LCSD	87
MS	83

Limits: 63-135

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

5268370	99
Blank	99
LCS	115
LCSD	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
LCSD	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.

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.

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 1117066. Samples arrived at the laboratory on Tuesday, October 28, 2008. The PO# for this group is 0015036089 and the release number is ROBB.

Client DescriptionSB12-S-5-081024 Grab Soil
SB11-S-5-081024 Grab SoilLancaster Labs Number5510336
5510337ELECTRONIC Chevron
COPY TO
ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

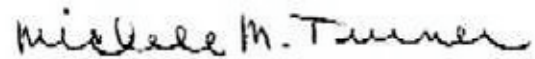
Attn: CRA EDD

Attn: Charlotte Evans

Attn: Ian Hull

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

Respectfully Submitted,



Michele M. Turner
Director



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. SW5510336

Group No. 1117066

SB12-S-5-081024 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:10/24/2008 08:50 by IH

Account Number: 10880

Submitted: 10/28/2008 09:40

Reported: 12/01/2008 at 15:02

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LIS12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
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	1.06
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.06
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.06
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.06
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.06
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.06
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.06
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.06
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.06
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.06
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.06

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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/06/2008 04:32	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	10/30/2008 23:18	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/06/2008 07:12	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/31/2008 05:07	Matthew S Woods	1.06

Lancaster Laboratories Sample No. SW5510336

Group No. 1117066

SB12-S-5-081024 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:10/24/2008 08:50 by IH

Account Number: 10880

Submitted: 10/28/2008 09:40

ChevronTexaco

Reported: 12/01/2008 at 15:02

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIS12

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/29/2008 09:44	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	10/29/2008 09:45	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/29/2008 09:46	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	10/29/2008 09:45	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/03/2008 10:40	Olivia Arosemena	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/03/2008 10:40	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. SW5510337

Group No. 1117066

SB11-S-5-081024 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:10/24/2008 09:50 by IH

Account Number: 10880

Submitted: 10/28/2008 09:40

Reported: 12/01/2008 at 15:02

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LIS11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/06/2008 05:30	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	10/30/2008 23:54	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/06/2008 08:24	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	10/31/2008 05:29	Matthew S Woods	0.99

Lancaster Laboratories Sample No. SW5510337

Group No. 1117066

SB11-S-5-081024 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:10/24/2008 09:50 by IH

Account Number: 10880

Submitted: 10/28/2008 09:40

ChevronTexaco

Reported: 12/01/2008 at 15:02

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIS11

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	10/29/2008 09:49	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	10/29/2008 09:48	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/29/2008 09:50	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	10/29/2008 09:50	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/03/2008 10:40	Olivia Arosemena	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/03/2008 10:40	Olivia Arosemena	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 12/01/08 at 03:02 PM

Group Number: 1117066

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: 08304A34A TPH-GRO - Soils	Sample number(s): 5510336-5510337 N.D.	1.0	mg/kg	85	83	67-119	3	30
Batch number: 083060034A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5510336-5510337 N.D.	4.0	mg/kg	101		76-117		
Batch number: 083060034B Total TPH	Sample number(s): 5510336-5510337 N.D.	10.	mg/kg	91		74-119		
TPH Motor Oil C16-C36	N.D.	10.	mg/kg					
Batch number: B083041AB Methyl Tertiary Butyl Ether	Sample number(s): 5510336-5510337 N.D.	0.0005	mg/kg	94		72-117		
di-Isopropyl ether	N.D.	0.001	mg/kg	99		72-120		
Ethyl t-butyl ether	N.D.	0.001	mg/kg	93		67-124		
t-Amyl methyl ether	N.D.	0.001	mg/kg	92		60-132		
t-Butyl alcohol	N.D.	0.020	mg/kg	104		66-146		
Benzene	N.D.	0.0005	mg/kg	103		84-115		
1,2-Dichloroethane	N.D.	0.001	mg/kg	109		76-135		
Toluene	N.D.	0.001	mg/kg	103		81-116		
1,2-Dibromoethane	N.D.	0.001	mg/kg	98		77-114		
Ethylbenzene	N.D.	0.001	mg/kg	98		82-115		
Xylene (Total)	N.D.	0.001	mg/kg	98		82-117		

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: 083060034A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5510336-5510337 101		30-159			UNSPK: 5510336 N.D.	BKG: 5510336 N.D.	0 (1)	20
Batch number: 083060034B Total TPH	Sample number(s): 5510336-5510337 91		49-123			UNSPK: 5510336 N.D.	BKG: 5510336 N.D.	0 (1)	20
TPH Motor Oil C16-C36						N.D.	N.D.	0 (1)	20
Batch number: B083041AB Methyl Tertiary Butyl Ether	Sample number(s): 5510336-5510337 80	85	59-119	9	30	UNSPK: P510760			
di-Isopropyl ether	91	93	58-113	5	30				
Ethyl t-butyl ether	83	86	60-112	7	30				
t-Amyl methyl ether	76	81	54-121	10	30				
t-Butyl alcohol	112	95	50-143	14	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: 12/01/08 at 03:02 PM

Group Number: 1117066

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	97	100	66-112	6	30				
1,2-Dichloroethane	90	91	62-130	4	30				
Toluene	105	110	58-116	8	30				
1,2-Dibromoethane	83	95	65-115	17	30				
Ethylbenzene	80	82	54-116	6	30				
Xylene (Total)	76	79	52-117	7	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 N. CA soil C6-C12
 Batch number: 08304A34A
 Trifluorotoluene-F

5510336	69
5510337	64
Blank	80
LCS	85
LCSD	79

Limits: 61-122

 Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
 Batch number: 083060034A
 Orthoterphenyl

5510336	108
5510337	111
Blank	118
DUP	121
LCS	118
MS	119

Limits: 59-129

 Analysis Name: TPH Fuels by GC (Soils)
 Batch number: 083060034B
 Chlorobenzene Orthoterphenyl

5510336	89	91
5510337	89	91
Blank	100	96
DUP	91	94
LCS	113	98
MS	101	99

Limits: 37-125 59-129

*- 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: 12/01/08 at 03:02 PM

Group Number: 1117066

Surrogate Quality Control

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B083041AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5510336	87	85	84	78
5510337	86	82	85	78
Blank	86	82	83	78
LCS	88	84	87	87
MS	86	78	101	72
MSD	86	81	103	70
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



250803

For Lancaster Laboratories use only
 Acct. #: 10880 Sample #: 5510336-38 SCR#:

102708-01

Group 1117066

Facility #: 30-7233 AIL
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: IAN ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: CHARLOTTE 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	<input type="checkbox"/>	TPH 8015 MOD	GRO	<input type="checkbox"/>	TPH 8015 MOD DRO	Silica Gel Cleanup	<input checked="" type="checkbox"/>	8260 full scan	<input type="checkbox"/>	Oxygenates + LEAD SCANS	<input checked="" type="checkbox"/>	Lead 7420	7421	<input type="checkbox"/>	TPH me by 8015	<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 + MTBE	8260	8021 <th>TPH 8015 MOD</th> <th>GRO</th> <th>TPH 8015 MOD DRO</th> <th>Silica Gel Cleanup</th> <th>8260 full scan</th> <th>Oxygenates + LEAD SCANS</th> <th>Lead 7420</th> <th>7421</th> <th>TPH me by 8015</th>	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates + LEAD SCANS	Lead 7420	7421	TPH me by 8015	
SB12-5 (IMH)					0850																	
SB12-5	SOIL	N	5	08 10 24	0850	Y	X		1	X	X	X	X	X	X	X	X	X	X	X	X	X
SB11-5	SOIL	N	5	08 10 24	0950	Y	X		1	X	X	X	X	X	X	X	X	X	X	X	X	X
CPT4-5	SOIL	N	5	08 10 24	1240	Y	X		1	X	X	X	X	X	X	X	X	X	X	X	X	X

Comments / Remarks
 PLEASE EMAIL RESULTS TO:
 CEVANS@craworld.com
 ihull@craworld.com
 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: <i>[Signature]</i>	Date: 10/24/08	Time: 1745	Received by: SECURE LOCATION	Date:	Time:
Relinquished by: <i>[Signature]</i>	Date: 10/27/08	Time: 1115	Received by: <i>[Signature]</i>	Date: 27 OCT 08	Time: 1115
Relinquished by: <i>[Signature]</i>	Date: 27 OCT 08	Time: 1634	Received by: <i>[Signature]</i>	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other: <i>[Signature]</i>			Received by: <i>[Signature]</i>	Date: 10/28/08	Time: 0940
Temperature Upon Receipt: 09-27 C°			Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input 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.

APPENDIX G

LABORATORY ANALYTICAL REPORTS FOR VAPOR

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 1118686. Samples arrived at the laboratory on Thursday, November 06, 2008. The PO# for this group is 0015036089 and the release number is ROBB.

Client Description

CPT3-S-18.5-081104 Grab Soil
CPT3-S-35.5-081104 Grab Soil
CPT3-S-55.5-081104 Grab Soil
CPT3-W-56-081104 Grab Water

Lancaster Labs Number

5520061
5520062
5520063
5520064

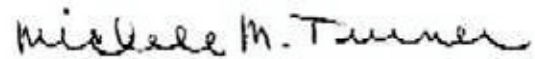
ELECTRONIC COPY TO
ELECTRONIC COPY TO
ELECTRONIC COPY TO
ELECTRONIC COPY TO

Chevron
CRA
CRA

Attn: CRA EDD
Attn: Charlotte Evans
Attn: Ian Hull

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

Respectfully Submitted,



Michele M. Turner
Director



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. SW5520061

Group No. 1118686

CPT3-S-18.5-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT3

Collected:11/04/2008 11:35 by SM

Account Number: 10880

Submitted: 11/06/2008 10:00

Reported: 12/01/2008 at 15:02

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LIV18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg	25
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			
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/12/2008 07:08		Lisa A Reinert	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/08/2008 02:59		Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/12/2008 03:30		Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/09/2008 02:35		Holly Berry	0.96

Lancaster Laboratories Sample No. SW5520061

Group No. 1118686

CPT3-S-18.5-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT3

Collected:11/04/2008 11:35 by SM

Account Number: 10880

Submitted: 11/06/2008 10:00

ChevronTexaco

Reported: 12/01/2008 at 15:02

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV18

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/06/2008 15:29	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/06/2008 15:33	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/06/2008 15:36	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/06/2008 15:35	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/10/2008 23:45	Patricia L Foreman	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/10/2008 23:45	Patricia L Foreman	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. SW5520062

Group No. 1118686

CPT3-S-35.5-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT3

Collected:11/04/2008 12:00 by SM

Account Number: 10880

Submitted: 11/06/2008 10:00

Reported: 12/01/2008 at 15:02

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LIV35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg	25
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			
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/12/2008 08:08		Lisa A Reinert	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/08/2008 03:35		Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/12/2008 04:42		Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/09/2008 03:20		Holly Berry	0.96

Lancaster Laboratories Sample No. SW5520062

Group No. 1118686

CPT3-S-35.5-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT3

Collected:11/04/2008 12:00 by SM

Account Number: 10880

Submitted: 11/06/2008 10:00

ChevronTexaco

Reported: 12/01/2008 at 15:02

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV35

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/06/2008 15:44	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/06/2008 15:45	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/06/2008 15:48	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/06/2008 15:47	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/10/2008 23:45	Patricia L Foreman	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/10/2008 23:45	Patricia L Foreman	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. SW5520063

Group No. 1118686

CPT3-S-55.5-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT3

Collected:11/04/2008 12:50 by SM

Account Number: 10880

Submitted: 11/06/2008 10:00

ChevronTexaco

Reported: 12/01/2008 at 15:02

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV55

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	7.1		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	52		4.0	mg/kg	100
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.		0.024	mg/kg	47.44
02017	di-Isopropyl ether	108-20-3	N.D.		0.047	mg/kg	47.44
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.047	mg/kg	47.44
02019	t-Amyl methyl ether	994-05-8	N.D.		0.047	mg/kg	47.44
02020	t-Butyl alcohol	75-65-0	N.D.		0.95	mg/kg	47.44
05460	Benzene	71-43-2	N.D.		0.024	mg/kg	47.44
05461	1,2-Dichloroethane	107-06-2	N.D.		0.047	mg/kg	47.44
05466	Toluene	108-88-3	N.D.		0.047	mg/kg	47.44
05471	1,2-Dibromoethane	106-93-4	N.D.		0.047	mg/kg	47.44
05474	Ethylbenzene	100-41-4	N.D.		0.047	mg/kg	47.44
06301	Xylene (Total)	1330-20-7	N.D.		0.047	mg/kg	47.44

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.

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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/12/2008 08:28	Lisa A Reinert	1

Lancaster Laboratories Sample No. SW5520063

Group No. 1118686

CPT3-S-55.5-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT3

Collected: 11/04/2008 12:50 by SM

Account Number: 10880

Submitted: 11/06/2008 10:00

Reported: 12/01/2008 at 15:02

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LIV55

01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/08/2008 08:06	Linda C Pape	100
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/12/2008 05:06	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/14/2008 11:54	Kerri E Koch	47.44
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/06/2008 15:57	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/06/2008 16:00	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/06/2008 16:02	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	2	11/06/2008 16:09	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	3	11/06/2008 16:12	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	4	11/06/2008 16:13	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	5	11/06/2008 16:15	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/06/2008 16:01	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/10/2008 23:45	Patricia L Foreman	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/10/2008 23:45	Patricia L Foreman	1

Lancaster Laboratories Sample No. WW5520064
Group No. 1118686
CPT3-W-56-081104 Grab Water
Facility# 307233 CRAW
2259 First St-Livermore T0600196622 CPT3

Collected: 11/04/2008 13:45 by SM

Account Number: 10880

Submitted: 11/06/2008 10:00

ChevronTexaco

Reported: 12/01/2008 at 15:02

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02216	TPH-DRO by 8015B w/ Silica Gel	n.a.	36,000	3,200	ug/l	10
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
01728	TPH-GRO N. CA water C6-C12	n.a.	29,000	5,000	ug/l	100
	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 = 7.					
02500	TPH Fuels by GC (Waters)					
02501	Total TPH	n.a.	4,500	400	ug/l	1
02508	TPH Motor Oil C16-C36	n.a.	4,500	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 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.	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	200	1	ug/l	2
05402	1,2-Dichloroethane	107-06-2	N.D.	1	ug/l	2
05407	Toluene	108-88-3	140	1	ug/l	2
05412	1,2-Dibromoethane	106-93-4	N.D.	1	ug/l	2
05415	Ethylbenzene	100-41-4	740	130	ug/l	250
06310	Xylene (Total)	1330-20-7	1,100	130	ug/l	250
	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 = 6.					

Lancaster Laboratories Sample No. WW5520064

Group No. 1118686

CPT3-W-56-081104 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT3

Collected: 11/04/2008 13:45 by SM

Account Number: 10880

Submitted: 11/06/2008 10:00

ChevronTexaco

Reported: 12/01/2008 at 15:02

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV56

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 Date and Time	Analyst	Dilution Factor
02216	TPH-DRO by 8015B w/ Silica Gel	SW-846 8015B	2	11/11/2008 20:44	Lisa A Reinert	10
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/11/2008 03:48	Kathie J Bowman	100
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	11/10/2008 22:27	Heather E Williams	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/15/2008 21:02	Michael A Ziegler	250
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/17/2008 18:42	Ginelle L Feister	2
01146	GC VOA Water Prep	SW-846 5030B	1	11/11/2008 03:48	Kathie J Bowman	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/17/2008 18:42	Ginelle L Feister	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	11/15/2008 21:02	Michael A Ziegler	250
07003	Extraction - DRO (Waters)	SW-846 3510C	1	11/10/2008 01:30	Olivia I Santiago	1
07003	Extraction - DRO (Waters)	SW-846 3510C	2	11/10/2008 01:30	Olivia I Santiago	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 12/01/08 at 03:02 PM

Group Number: 1118686

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: 08312A34A TPH-GRO - Soils	Sample number(s): 5520061-5520063 N.D.	1.0	mg/kg	93	93	67-119	1	30
Batch number: 083130010A TPH-DRO by 8015B w/ Silica Gel	Sample number(s): 5520064 N.D.	32.	ug/l	84	85	60-124	1	20
Batch number: 083130011A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5520064 N.D. N.D.	40. 40.	ug/l ug/l	78	79	60-120	2	20
Batch number: 083150015A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5520061-5520063 N.D.	4.0	mg/kg	93		76-117		
Batch number: 083150016A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5520061-5520063 N.D. N.D.	10. 10.	mg/kg mg/kg	84		74-119		
Batch number: 08315B20A TPH-GRO N. CA water C6-C12	Sample number(s): 5520064 N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: B083131AB 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): 5520061-5520062 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.	0.0005 0.001 0.001 0.001 0.020 0.0005 0.001 0.001 0.001 0.001 0.001 0.001	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	88 90 88 88 103 104 105 101 90 94 98	87 88 86 87 110 101 102 97 89 92 95	72-117 72-120 67-124 60-132 66-146 84-115 76-135 81-116 77-114 82-115 82-117	1 3 2 1 6 4 3 5 2 3 2	30 30 30 30 30 30 30 30 30 30 30
Batch number: D083204AA Ethylbenzene Xylene (Total)	Sample number(s): 5520064 N.D. N.D.	0.5 0.5	ug/l ug/l	97 102		82-119 83-113		
Batch number: D083221AA 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	Sample number(s): 5520064 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	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	116 85 100 106 89 95 119 98 96		73-119 70-123 74-120 79-113 74-117 78-119 69-135 85-115 81-114		

*- 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: 12/01/08 at 03:02 PM

Group Number: 1118686

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: R083191AA	Sample number(s): 5520063							
Methyl Tertiary Butyl Ether	N.D.	0.025	mg/kg	99	95	72-117	4	30
di-Isopropyl ether	N.D.	0.050	mg/kg	98	95	72-120	2	30
Ethyl t-butyl ether	N.D.	0.050	mg/kg	98	92	67-124	6	30
t-Amyl methyl ether	N.D.	0.050	mg/kg	99	95	60-132	4	30
t-Butyl alcohol	N.D.	1.0	mg/kg	90	87	66-146	4	30
Benzene	N.D.	0.025	mg/kg	99	95	84-115	5	30
1,2-Dichloroethane	N.D.	0.050	mg/kg	99	96	76-135	4	30
Toluene	N.D.	0.050	mg/kg	99	96	81-116	4	30
1,2-Dibromoethane	N.D.	0.050	mg/kg	102	96	77-114	6	30
Ethylbenzene	N.D.	0.050	mg/kg	98	94	82-115	4	30
Xylene (Total)	N.D.	0.050	mg/kg	96	94	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: 083150015A	Sample number(s): 5520061-5520063 UNSPK: 5520061 BKG: 5520061								
TPH-DRO by 8015B w/Silica Gel	86		30-159			N.D.	N.D.	0 (1)	20
Batch number: 083150016A	Sample number(s): 5520061-5520063 UNSPK: 5520061 BKG: 5520061								
Total TPH	86		49-123			N.D.	N.D.	0 (1)	20
Batch number: 08315B20A	Sample number(s): 5520064 UNSPK: P520074								
TPH-GRO N. CA water C6-C12	109		63-154						
Batch number: B083131AB	Sample number(s): 5520061-5520062 UNSPK: P518593								
Methyl Tertiary Butyl Ether	105		59-119						
di-Isopropyl ether	110		58-113						
Ethyl t-butyl ether	103		60-112						
t-Amyl methyl ether	102		54-121						
t-Butyl alcohol	143		50-143						
Benzene	133*		66-112						
1,2-Dichloroethane	131*		62-130						
Toluene	131*		58-116						
1,2-Dibromoethane	116*		65-115						
Ethylbenzene	125*		54-116						
Xylene (Total)	128*		52-117						
Batch number: D083204AA	Sample number(s): 5520064 UNSPK: P520074								
Ethylbenzene	97	99	82-129	2	30				
Xylene (Total)	101	102	82-130	1	30				
Batch number: D083221AA	Sample number(s): 5520064 UNSPK: P522795								
Methyl Tertiary Butyl Ether	120	124	69-127	3	30				
di-Isopropyl ether	90	94	68-129	4	30				
Ethyl t-butyl ether	106	107	78-119	2	30				
t-Amyl methyl ether	109	110	72-125	1	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: 12/01/08 at 03:02 PM

Group Number: 1118686

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>
t-Butyl alcohol	92	92	70-121	0	30			
Benzene	103	107	83-128	3	30			
1,2-Dichloroethane	122	124	70-143	2	30			
Toluene	102	104	83-127	2	30			
1,2-Dibromoethane	99	103	78-120	4	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 N. CA soil C6-C12
 Batch number: 08312A34A
 Trifluorotoluene-F

5520061	77
5520062	77
5520063	24*
Blank	81
LCS	88
LCSD	90

Limits: 61-122

 Analysis Name: TPH-DRO water C10-C28 w/Si Gel
 Batch number: 083130010A
 Orthoterphenyl

5520064	82
Blank	91
LCS	100
LCSD	100

Limits: 54-127

 Analysis Name: TPH Fuels by GC (Waters)
 Batch number: 083130011A
 Chlorobenzene Orthoterphenyl

5520064	1589*	90
Blank	76	76
LCS	77	68
LCSD	76	66

Limits: 28-152 52-131

 Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
 Batch number: 083150015A
 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: 12/01/08 at 03:02 PM

Group Number: 1118686

Surrogate Quality Control

5520061	81
5520062	90
5520063	98
Blank	95
DUP	86
LCS	116
MS	98

Limits: 59-129

 Analysis Name: TPH Fuels by GC (Soils)
 Batch number: 083150016A

	Chlorobenzene	Orthoterphenyl
5520061	83	80
5520062	90	90
5520063	96	90
Blank	96	95
DUP	77	83
LCS	88	97
MS	84	93

Limits: 37-125 59-129

 Analysis Name: TPH-GRO N. CA water C6-C12
 Batch number: 08315B20A

	Trifluorotoluene-F
5520064	92
Blank	82
LCS	109
LCSD	107
MS	106

Limits: 63-135

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B083131AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5520061	93	83	81	78
5520062	91	73	82	84
Blank	91	84	81	81
LCS	89	85	83	86
LCSD	91	82	83	85
MS	91	80	84	87

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

 Analysis Name: 8260 Master Scan (water)
 Batch number: D083204AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	88	90	88	90
LCS	86	87	88	100
MS	81	86	90	97
MSD	81	88	92	98

*- 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: 12/01/08 at 03:02 PM

Group Number: 1118686

Surrogate Quality Control

Limits:	80-116	77-113	80-113	78-113
Analysis Name:	BTEX+5 Oxygenates+EDC+EDB			
Batch number:	D083221AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5520064	96	90	87	112
Blank	105	99	88	101
LCS	101	93	85	110
MS	101	98	87	112
MSD	103	100	86	113
Limits:	80-116	77-113	80-113	78-113
Analysis Name:	BTEX+5 Oxygenates+EDC+EDB			
Batch number:	R083191AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5520063	86	88	90	88
Blank	92	96	95	91
LCS	98	101	101	99
LCSD	96	99	99	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



*Sample # 11/6/08 250817
 For Lancaster Laboratories use only
 Acct. # 10880 Sample # 5520083-868 SCR# 1118686
5520061-64 Group# TT8689

11 9508-08 P.10F2

Facility #: 50-7233 (AIL)
 Site Address: 2259 First St., Livermore CA
 Chevron PM: F. Robb Lead Consultant: CRA
 Consultant/Office: Emeryville CA
 Consultant Prj. Mgr.: C. Evans
 Consultant Phone #: 510-420-0700 Fax #: 510-420-9170
 Sampler: S. McNaboe
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes									
Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 <input 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 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPH MOD 8015 M
X		1	X	X	X		X		X
X		1	X	X	X		X		X
X		1	X	X	X		X		X

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 <input 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 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPH MOD 8015 M
CPT3-18.5	S	N	18.5	08	11	04	1135	Y	X		1	X	X	X		X		X
CPT3-35.5	S	N	35.5	08	11	04	1200	Y	X		1	X	X	X		X		X
CPT3-55.5	S	N	55.5	08	11	04	1250	Y	X		1	X	X	X		X		X

Comments / Remarks
 Please send EDF data to dohare@creworl.com
 Email to ihull@creworl.com + cevans@creworl.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>S. McNaboe</u>	Date: <u>11/4/08</u>	Time: <u>1720</u>	Received by: <u>Secure location</u>	Date: <u>11/4/08</u>	Time: <u>1720</u>
Relinquished by: <u>S. McNaboe</u>	Date: <u>11/5/08</u>	Time: <u>1455</u>	Received by: <u>A. Salazar</u>	Date: <u>11/5/08</u>	Time: <u>1455</u>
Relinquished by: <u>A. Salazar</u>	Date: <u>11/6/08</u>	Time: <u>1636</u>	Received by: <u>DPH</u>	Date: _____	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other: <u>DPH</u>	Temperature Upon Receipt: <u>10-3.4</u> C°		Received by: <u>DPH</u>	Date: <u>11/6/08</u>	Time: <u>1600</u>
Custody Seals Intact? <u>Yes</u>			No		

Chevron California Region Analysis Request/Chain of Custody



11 05 08-08-P.20F2

* 3 mbr 11/6/08 250818
 For Lancaster Laboratories use only
 Acct. # 10880 Sample # 5520083-86 SCR# 1118686
5520061-64 GROUP# 118689

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 #: 510-420-0700 Fax #: 510-420-9170
 Sampler: S. McNaboe
 Service Order #: _____ Non SAR:

Analyses Requested										
Preservation Codes										
BTEX + MTBE 8260 <input type="checkbox"/> 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 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPH MO 8015M				

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 <input type="checkbox"/> 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 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPH MO 8015M
CPT3-W-56	W	N	56	08 11 04	1345	Y	X		10	X	X	X		X		X

Comments / Remarks
 Please send EDF data to dohare@croworld.com
 Email to ihull@croworld.com + cevano@croworld.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 1 - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>Can Hull</u>	Date: <u>11/4/2008</u>	Time: <u>1720</u>	Received by: <u>SECURE LOCATION</u>	Date: <u>11/4/08</u>	Time: <u>1720</u>
Relinquished by: <u>Sheri Weir</u>	Date: <u>11/5/08</u>	Time: <u>1455</u>	Received by: <u>A. Salazar</u>	Date: <u>05 NOV 08</u>	Time: <u>1455</u>
Relinquished by: <u>A. Salazar</u>	Date: <u>05 NOV 08</u>	Time: <u>1630</u>	Received by: <u>PH4</u>	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other <u>DHL</u>	Temperature Upon Receipt: <u>10-3-4 C°</u>		Received by: <u>[Signature]</u>	Date: <u>11/6/08</u>	Time: <u>1006</u>
Custody Seals Intact? <u>Yes</u> <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.

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 1118909. Samples arrived at the laboratory on Friday, November 07, 2008. The PO# for this group is 0015036089 and the release number is ROBB.

Client DescriptionCPT4-S-50-081105 Grab Soil
CPT4-W-54-081105 Grab Water
CPT4-W-60-081105 Grab WaterLancaster Labs Number5521227
5521228
5521229ELECTRONIC Chevron
COPY TO
ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

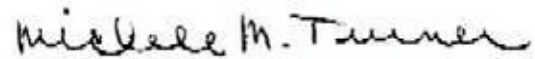
Attn: CRA EDD

Attn: Charlotte Evans

Attn: Ian Hull

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

Respectfully Submitted,



Michele M. Turner
Director



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. SW5521227

Group No. 1118909

CPT4-S-50-081105 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT4

Collected:11/05/2008 11:30 by IH

Account Number: 10880

Submitted: 11/07/2008 09:50

Reported: 12/01/2008 at 15:03

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CP450

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/14/2008 19:02	Lisa A Reinert	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/11/2008 19:44	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/12/2008 05:30	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/11/2008 13:17	Emiley A King	1.02

Lancaster Laboratories Sample No. SW5521227**Group No. 1118909****CPT4-S-50-081105 Grab Soil****Facility# 307233 CRAW****2259 First St-Livermore T0600196622 CPT4**

Collected: 11/05/2008 11:30 by IH

Account Number: 10880

Submitted: 11/07/2008 09:50

Reported: 12/01/2008 at 15:03

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CP450

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/10/2008 11:14	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/10/2008 11:15	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/10/2008 11:17	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/10/2008 11:16	Larry E Bevins	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/10/2008 23:45	Patricia L Foreman	1

Lancaster Laboratories Sample No. **WW5521228**

Group No. **1118909**

CPT4-W-54-081105 Grab Water

Facility# **307233 CRAW**

2259 First St-Livermore T0600196622 CPT4

Collected:11/05/2008 11:55 by IH

Account Number: 10880

Submitted: 11/07/2008 09:50

ChevronTexaco

Reported: 12/01/2008 at 15:03

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

CP454

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
02216	TPH-DRO by 8015B w/ Silica Gel Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.	n.a.	400	320	ug/l	1
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
02500	TPH Fuels by GC (Waters)					
02501	Total TPH	n.a.	720	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.	n.a.	720	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	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

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.

Lancaster Laboratories Sample No. WW5521228

Group No. 1118909

CPT4-W-54-081105 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT4

Collected: 11/05/2008 11:55 by IH

Account Number: 10880

Submitted: 11/07/2008 09:50

Reported: 12/01/2008 at 15:03

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CP454

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02216	TPH-DRO by 8015B w/ Silica Gel	SW-846 8015B	1	11/10/2008	23:08	Diane V Do	1
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/13/2008	17:02	Kathie J Bowman	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	11/10/2008	22:51	Heather E Williams	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/17/2008	11:56	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/13/2008	17:02	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/17/2008	11:56	Ginelle L Feister	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	11/10/2008	01:30	Olivia I Santiago	1
07003	Extraction - DRO (Waters)	SW-846 3510C	2	11/10/2008	01:30	Olivia I Santiago	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. WW5521229

Group No. 1118909

CPT4-W-60-081105 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT4

Collected:11/05/2008 12:45 by IH

Account Number: 10880

Submitted: 11/07/2008 09:50

ChevronTexaco

Reported: 12/01/2008 at 15:03

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

CP460

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02216	TPH-DRO by 8015B w/ Silica Gel	n.a.	490		320	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.		50	ug/l	1
02500	TPH Fuels by GC (Waters)						
02501	Total TPH	n.a.	1,400		400	ug/l	1
02508	TPH Motor Oil C16-C36	n.a.	1,400		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	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

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.

Lancaster Laboratories Sample No. WW5521229

Group No. 1118909

CPT4-W-60-081105 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT4

Collected: 11/05/2008 12:45 by IH

Account Number: 10880

Submitted: 11/07/2008 09:50

Reported: 12/01/2008 at 15:03

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CP460

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02216	TPH-DRO by 8015B w/ Silica Gel	SW-846 8015B	1	11/10/2008	23:28	Diane V Do	1
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/13/2008	17:24	Kathie J Bowman	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	11/10/2008	23:15	Heather E Williams	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/17/2008	10:21	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/13/2008	17:24	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/17/2008	10:21	Ginelle L Feister	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	11/10/2008	01:30	Olivia I Santiago	1
07003	Extraction - DRO (Waters)	SW-846 3510C	2	11/10/2008	01:30	Olivia I Santiago	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 12/01/08 at 03:03 PM

Group Number: 1118909

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: 083130010A TPH-DRO by 8015B w/ Silica Gel	Sample number(s): 5521228-5521229 N.D.	32.	ug/l	84	85	60-124	1	20
Batch number: 083130011A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5521228-5521229 N.D. N.D.	40. 40.	ug/l ug/l	78	79	60-120	2	20
Batch number: 083150016A Total TPH TPH Motor Oil C16-C36	Sample number(s): 5521227 N.D. N.D.	10. 10.	mg/kg mg/kg	84		74-119		
Batch number: 08316A33A TPH-GRO - Soils	Sample number(s): 5521227 N.D.	1.0	mg/kg	93	89	67-119	4	30
Batch number: 083170029A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5521227 N.D.	4.0	mg/kg	96		76-117		
Batch number: 08317C20A TPH-GRO N. CA water C6-C12	Sample number(s): 5521228-5521229 N.D.	50.	ug/l	108	108	75-135	0	30
Batch number: B083161AA 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): 5521227 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.0005 0.001 0.001 0.001 0.020 0.0005 0.001 0.001 0.001 0.001 0.001	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	100 99 96 98 100 111 111 106 100 97 98 101	98 97 95 96 106 107 109 101 97 95 97	72-117 72-120 67-124 60-132 66-146 84-115 76-135 81-116 77-114 82-115 82-117	2 2 1 2 6 4 2 5 4 3 4	30 30 30 30 30 30 30 30 30 30 30
Batch number: D083221AA 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): 5521228-5521229 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	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	116 85 100 106 89 95 119 98 96 99 104		73-119 70-123 74-120 79-113 74-117 78-119 69-135 85-115 81-114 82-119 83-113		

*- 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.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 12/01/08 at 03:03 PM

Group Number: 1118909

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: 083150016A Total TPH	86		5521227 49-123	UNSPK:	P520061	BKG: P520061 N.D.	P520061 N.D.	0 (1)	20
Batch number: 083170029A TPH-DRO by 8015B w/Silica Gel	96		5521227 30-159	UNSPK:	P519740	BKG: P519740 5.3	P519740 N.D.	200* (1)	20
Batch number: 08317C20A TPH-GRO N. CA water C6-C12	117		5521228-5521229 63-154	UNSPK:	P521367				
Batch number: B083161AA Methyl Tertiary Butyl Ether	99		5521227 59-119	UNSPK:	P522816				
di-Isopropyl ether	101		58-113						
Ethyl t-butyl ether	95		60-112						
t-Amyl methyl ether	93		54-121						
t-Butyl alcohol	84		50-143						
Benzene	113*		66-112						
1,2-Dichloroethane	114		62-130						
Toluene	100		58-116						
1,2-Dibromoethane	93		65-115						
Ethylbenzene	85		54-116						
Xylene (Total)	87		52-117						
Batch number: D083221AA Methyl Tertiary Butyl Ether	120	124	69-127	3	30				
di-Isopropyl ether	90	94	68-129	4	30				
Ethyl t-butyl ether	106	107	78-119	2	30				
t-Amyl methyl ether	109	110	72-125	1	30				
t-Butyl alcohol	92	92	70-121	0	30				
Benzene	103	107	83-128	3	30				
1,2-Dichloroethane	122	124	70-143	2	30				
Toluene	102	104	83-127	2	30				
1,2-Dibromoethane	99	103	78-120	4	30				
Ethylbenzene	103	107	82-129	4	30				
Xylene (Total)	107	109	82-130	2	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 C10-C28 w/Si Gel
 Batch number: 083130010A
 Orthoterphenyl

5521228	90
5521229	89
Blank	91

*- 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: 12/01/08 at 03:03 PM

Group Number: 1118909

Surrogate Quality Control

LCS 100
LCSD 100

Limits: 54-127

Analysis Name: TPH Fuels by GC (Waters)

Batch number: 083130011A

Chlorobenzene Orthoterphenyl

5521228	55	69
5521229	57	72
Blank	76	76
LCS	77	68
LCSD	76	66

Limits: 28-152 52-131

Analysis Name: TPH Fuels by GC (Soils)

Batch number: 083150016A

Chlorobenzene Orthoterphenyl

5521227	71	73
Blank	96	95
DUP	77	83
LCS	88	97
MS	84	93

Limits: 37-125 59-129

Analysis Name: TPH-GRO N. CA soil C6-C12

Batch number: 08316A33A

Trifluorotoluene-F

5521227	87
Blank	90
LCS	89
LCSD	91

Limits: 61-122

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel

Batch number: 083170029A

Orthoterphenyl

5521227	104
Blank	111
DUP	107
LCS	120
MS	114

Limits: 59-129

Analysis Name: TPH-GRO N. CA water C6-C12

Batch number: 08317C20A

Trifluorotoluene-F

5521228	70
5521229	86

*- 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: 12/01/08 at 03:03 PM

Group Number: 1118909

Surrogate Quality Control

Blank 71
LCS 102
LCSD 97
MS 107

Limits: 63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B083161AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5521227	87	74	83	81
Blank	89	83	82	82
LCS	88	84	84	89
LCSD	89	86	84	87
MS	94	87	84	90

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

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: D083221AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5521228	107	99	85	99
5521229	106	100	88	102
Blank	105	99	88	101
LCS	101	93	85	110
MS	101	98	87	112
MSD	103	100	86	113

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

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.

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 1118409. Samples arrived at the laboratory on Wednesday, November 05, 2008. The PO# for this group is 0015036089 and the release number is ROBB.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
CPT5-S-51.5-081103 Grab Soil	5518571
CPT5-W-55-081103 Grab Water	5518572
CPT5-W-68-081103 Grab Water	5518573
SB12-S-15.5-081103 Grab Soil	5518574
SB12-S-25.5-081103 Grab Soil	5518575
SB12-S-30-081103 Grab Soil	5518576
SB12-S-35.5-081103 Grab Soil	5518577
SB12-S-45.5-081103 Grab Soil	5518578
SB12-S-50.5-081103 Grab Soil	5518579
SB12-S-55.5-081103 Grab Soil	5518580
SB12-S-60.5-081103 Grab Soil	5518581
SB11-S-16-081103 Grab Soil	5518582
SB11-S-26-081103 Grab Soil	5518583
SB11-S-36-081103 Grab Soil	5518584
SB11-S-45.5-081103 Grab Soil	5518585
SB11-S-50.5-081103 Grab Soil	5518586
SB11-S-56-081103 Grab Soil	5518587
SB11-S-61-081103 Grab Soil	5518588
SB10-S-16-081104 Grab Soil	5518589
SB10-S-26-081104 Grab Soil	5518590
SB10-S-36-081104 Grab Soil	5518591
SB10-S-46-081104 Grab Soil	5518592
SB10-S-56-081104 Grab Soil	5518593
SB10-S-62-081104 Grab Soil	5518594
SB12-W-50-081103 Grab Water	5518595

SB11-W-50-081103 Grab Water
SB10-W-50-081104 Grab Water

5518596
5518597

ELECTRONIC COPY TO
ELECTRONIC COPY TO
ELECTRONIC COPY TO

Chevron
CRA
CRA

Attn: CRA EDD
Attn: Charlotte Evans
Attn: Ian Hull

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

Respectfully Submitted,



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

Lancaster Laboratories Sample No. SW5518571

Group No. 1118409

CPT5-S-51.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT5

Collected:11/03/2008 12:15 by SM

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:37

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LIV51

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg	25
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		Analyst	Dilution Factor
				Date and Time			
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/06/2008	23:07	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/06/2008	21:48	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008	13:32	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/06/2008	23:36	Kelly E Brickley	0.98

Lancaster Laboratories Sample No. SW5518571

Group No. 1118409

CPT5-S-51.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT5

Collected: 11/03/2008 12:15 by SM

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:37

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV51

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 18:00	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 18:03	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 18:08	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 18:05	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. WW5518572

Group No. 1118409

CPT5-W-55-081103 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT5

Collected:11/03/2008 12:30 by SM

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:37

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV55

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02216	TPH-DRO by 8015B w/ Silica Gel	n.a.	43,000		6,400	ug/l	20
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
01728	TPH-GRO N. CA water C6-C12	n.a.	2,500		250	ug/l	5
02500	TPH Fuels by GC (Waters)						
02501	Total TPH	n.a.	510		400	ug/l	1
02508	TPH Motor Oil C16-C36	n.a.	510		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	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	1		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	0.5		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.

Lancaster Laboratories Sample No. WW5518572

Group No. 1118409

CPT5-W-55-081103 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT5

Collected: 11/03/2008 12:30 by SM

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:37

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV55

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02216	TPH-DRO by 8015B w/ Silica Gel	SW-846 8015B	1	11/10/2008 12:48	Diane V Do	20
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/10/2008 23:43	Kathie J Bowman	5
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	11/07/2008 14:04	Heather E Williams	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/12/2008 12:37	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/10/2008 23:43	Kathie J Bowman	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/12/2008 12:37	Ginelle L Feister	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	11/06/2008 15:30	Kelli M Barto	1
07003	Extraction - DRO (Waters)	SW-846 3510C	2	11/06/2008 15:30	Kelli M Barto	1

Lancaster Laboratories Sample No. **WW5518573**

Group No. **1118409**

CPT5-W-68-081103 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT5

Collected: 11/03/2008 13:50 by SM

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:37

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

LIV68

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
02216	TPH-DRO by 8015B w/ Silica Gel	n.a.	340	320	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
01728	TPH-GRO N. CA water C6-C12	n.a.	70	50	ug/l	1
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	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

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

Lancaster Laboratories Sample No. WW5518573

Group No. 1118409

CPT5-W-68-081103 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 CPT5

Collected:11/03/2008 13:50 by SM

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:37

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LIV68

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02216	TPH-DRO by 8015B w/ Silica Gel	SW-846 8015B	1	11/08/2008	01:13	Diane V Do	1
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/11/2008	00:42	Kathie J Bowman	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	11/07/2008	14:28	Heather E Williams	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/12/2008	11:25	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/11/2008	00:42	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/12/2008	11:25	Ginelle L Feister	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	11/06/2008	15:30	Kelli M Barto	1
07003	Extraction - DRO (Waters)	SW-846 3510C	2	11/06/2008	15:30	Kelli M Barto	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. SW5518574

Group No. 1118409

SB12-S-15.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:10 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/06/2008 23:27	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/06/2008 22:25	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 13:56	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/06/2008 23:59	Kelly E Brickley	0.96

Lancaster Laboratories Sample No. SW5518574

Group No. 1118409

SB12-S-15.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected: 11/03/2008 10:10 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1215

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 18:30	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 18:33	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 18:38	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 18:35	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518575

Group No. 1118409

SB12-S-25.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:15 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1225

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	120		10	mg/kg	250
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.		0.023	mg/kg	45.7
02017	di-Isopropyl ether	108-20-3	N.D.		0.046	mg/kg	45.7
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.046	mg/kg	45.7
02019	t-Amyl methyl ether	994-05-8	N.D.		0.046	mg/kg	45.7
02020	t-Butyl alcohol	75-65-0	N.D.		0.91	mg/kg	45.7
05460	Benzene	71-43-2	N.D.		0.023	mg/kg	45.7
05461	1,2-Dichloroethane	107-06-2	N.D.		0.046	mg/kg	45.7
05466	Toluene	108-88-3	N.D.		0.046	mg/kg	45.7
05471	1,2-Dibromoethane	106-93-4	N.D.		0.046	mg/kg	45.7
05474	Ethylbenzene	100-41-4	N.D.		0.046	mg/kg	45.7
06301	Xylene (Total)	1330-20-7	N.D.		0.046	mg/kg	45.7

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.

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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/06/2008 23:48	Diane V Do	1

Lancaster Laboratories Sample No. SW5518575

Group No. 1118409

SB12-S-25.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:15 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1225

01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 12:11	Linda C Pape	250
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 14:20	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 14:49	Kerri E Koch	45.7
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 18:40	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 18:43	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 18:57	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 18:50	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	1

Lancaster Laboratories Sample No. SW5518576
Group No. 1118409
SB12-S-30-081103 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622 SB12

Collected: 11/03/2008 10:18 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1230

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	34	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	58	Detection Limit 8.0	mg/kg	200
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. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.						
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	mg/kg	47.08
02017	di-Isopropyl ether	108-20-3	N.D.	0.047	mg/kg	47.08
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.047	mg/kg	47.08
02019	t-Amyl methyl ether	994-05-8	N.D.	0.047	mg/kg	47.08
02020	t-Butyl alcohol	75-65-0	N.D.	0.94	mg/kg	47.08
05460	Benzene	71-43-2	N.D.	0.024	mg/kg	47.08
05461	1,2-Dichloroethane	107-06-2	N.D.	0.047	mg/kg	47.08
05466	Toluene	108-88-3	N.D.	0.047	mg/kg	47.08
05471	1,2-Dibromoethane	106-93-4	N.D.	0.047	mg/kg	47.08
05474	Ethylbenzene	100-41-4	N.D.	0.047	mg/kg	47.08
06301	Xylene (Total)	1330-20-7	N.D.	0.047	mg/kg	47.08

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.

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. SW5518576

Group No. 1118409

SB12-S-30-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:18 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1230

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008	00:08	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008	12:49	Linda C Pape	200
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008	14:44	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008	15:12	Kerri E Koch	47.08
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008	19:25	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008	19:25	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008	19:23	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008	19:24	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008	06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008	06:30	Joseph S Feister	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. SW5518577

Group No. 1118409

SB12-S-35.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:20 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

12-35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg 1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg 25
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			Dilution Factor
			Trial#	Date and Time	Analyst	
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 00:28	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 00:18	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 15:08	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 00:21	Kelly E Brickley	1

Lancaster Laboratories Sample No. SW5518577

Group No. 1118409

SB12-S-35.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:20 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

12-35

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 19:27	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 19:29	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 19:28	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 19:27	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518578

Group No. 1118409

SB12-S-45.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:30 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1245

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	1
01725	TPH-GRO - Soils	n.a.	1.3		1.0	25
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.		10	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.		10	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	1.02
02017	di-Isopropyl ether	108-20-3	N.D.		0.001	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.001	1.02
02019	t-Amyl methyl ether	994-05-8	N.D.		0.001	1.02
02020	t-Butyl alcohol	75-65-0	N.D.		0.020	1.02
05460	Benzene	71-43-2	0.0007		0.0005	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.		0.001	1.02
05466	Toluene	108-88-3	N.D.		0.001	1.02
05471	1,2-Dibromoethane	106-93-4	N.D.		0.001	1.02
05474	Ethylbenzene	100-41-4	N.D.		0.001	1.02
06301	Xylene (Total)	1330-20-7	N.D.		0.001	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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 00:48	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 00:55	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 15:32	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 00:44	Kelly E Brickley	1.02

Lancaster Laboratories Sample No. SW5518578

Group No. 1118409

SB12-S-45.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:30 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1245

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 19:31	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 19:33	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 19:32	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 19:32	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518579

Group No. 1118409

SB12-S-50.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:35 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

12-50

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	65		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	1,200		80	mg/kg	2000
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. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.							
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.023	mg/kg	46.21
02017	di-Isopropyl ether	108-20-3	N.D.		0.046	mg/kg	46.21
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.046	mg/kg	46.21
02019	t-Amyl methyl ether	994-05-8	N.D.		0.046	mg/kg	46.21
02020	t-Butyl alcohol	75-65-0	N.D.		0.92	mg/kg	46.21
05460	Benzene	71-43-2	N.D.		0.023	mg/kg	46.21
05461	1,2-Dichloroethane	107-06-2	N.D.		0.046	mg/kg	46.21
05466	Toluene	108-88-3	N.D.		0.046	mg/kg	46.21
05471	1,2-Dibromoethane	106-93-4	N.D.		0.046	mg/kg	46.21
05474	Ethylbenzene	100-41-4	N.D.		0.046	mg/kg	46.21
06301	Xylene (Total)	1330-20-7	N.D.		0.046	mg/kg	46.21

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.

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. SW5518579

Group No. 1118409

SB12-S-50.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:35 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

12-50

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008	01:08	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008	01:33	Linda C Pape	2000
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008	15:57	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008	15:34	Kerri E Koch	46.21
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008	19:36	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008	19:43	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008	19:42	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008	19:44	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008	06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008	06:30	Joseph S Feister	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. SW5518580

Group No. 1118409

SB12-S-55.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:40 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1255

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	55		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	1,300		80	mg/kg	2000
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. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.							
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.024	mg/kg	48.64
02017	di-Isopropyl ether	108-20-3	N.D.		0.049	mg/kg	48.64
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.049	mg/kg	48.64
02019	t-Amyl methyl ether	994-05-8	N.D.		0.049	mg/kg	48.64
02020	t-Butyl alcohol	75-65-0	N.D.		0.97	mg/kg	48.64
05460	Benzene	71-43-2	1.1		0.024	mg/kg	48.64
05461	1,2-Dichloroethane	107-06-2	N.D.		0.049	mg/kg	48.64
05466	Toluene	108-88-3	0.15		0.049	mg/kg	48.64
05471	1,2-Dibromoethane	106-93-4	N.D.		0.049	mg/kg	48.64
05474	Ethylbenzene	100-41-4	2.0		0.049	mg/kg	48.64
06301	Xylene (Total)	1330-20-7	3.7		0.049	mg/kg	48.64

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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008	01:28	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008	02:10	Linda C Pape	2000

Lancaster Laboratories Sample No. SW5518580

Group No. 1118409

SB12-S-55.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 10:40 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1255

02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 16:45	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 16:19	Kerri E Koch	48.64
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 19:46	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 19:47	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 19:46	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 19:48	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518581

Group No. 1118409

SB12-S-60.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 11:10 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1260

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	25
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.		10	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.		10	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	0.95
02017	di-Isopropyl ether	108-20-3	N.D.		0.001	0.95
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.001	0.95
02019	t-Amyl methyl ether	994-05-8	N.D.		0.001	0.95
02020	t-Butyl alcohol	75-65-0	N.D.		0.019	0.95
05460	Benzene	71-43-2	N.D.		0.0005	0.95
05461	1,2-Dichloroethane	107-06-2	N.D.		0.001	0.95
05466	Toluene	108-88-3	N.D.		0.001	0.95
05471	1,2-Dibromoethane	106-93-4	N.D.		0.001	0.95
05474	Ethylbenzene	100-41-4	N.D.		0.001	0.95
06301	Xylene (Total)	1330-20-7	N.D.		0.001	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 01:49	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 02:48	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 17:09	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 04:56	Emily R Styer	0.95

Lancaster Laboratories Sample No. SW5518581

Group No. 1118409

SB12-S-60.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 11:10 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1260

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 19:50	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 19:52	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 19:51	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 19:53	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518582

Group No. 1118409

SB11-S-16-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 13:25 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1116

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 02:09	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/06/2008 19:18	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 17:33	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 01:28	Kelly E Brickley	1

Lancaster Laboratories Sample No. SW5518582

Group No. 1118409

SB11-S-16-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 13:25 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1116

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:24	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 20:25	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 20:21	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	2	11/05/2008 20:22	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	3	11/05/2008 20:22	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	4	11/05/2008 20:23	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	5	11/05/2008 20:23	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:24	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518583

Group No. 1118409

SB11-S-26-081103 Grab Soil
 Facility# 307233 CRAW
 2259 First St-Livermore T0600196622 SB11
 Collected:11/03/2008 13:30 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10
 Reported: 12/01/2008 at 15:38
 Discard: 01/01/2009

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

L1126

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
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	0.97
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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 02:29	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 04:41	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 17:57	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 01:51	Kelly E Brickley	0.97

Lancaster Laboratories Sample No. SW5518583

Group No. 1118409

SB11-S-26-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 13:30 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1126

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:30	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 20:31	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 20:30	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:31	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518584

Group No. 1118409

SB11-S-36-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 13:38 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1136

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg 1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg 25
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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 02:49	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 05:18	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 18:21	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 02:13	Kelly E Brickley	0.99

Lancaster Laboratories Sample No. SW5518584

Group No. 1118409

SB11-S-36-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 13:38 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1136

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:35	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 20:34	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 20:34	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:35	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518585

Group No. 1118409

SB11-S-45.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 13:50 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1145

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	59		8.0	mg/kg	200
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	0.92
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	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008	03:09	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008	13:26	Linda C Pape	200
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008	18:45	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/10/2008	06:58	Kathrine K Muramatsu	0.92

Lancaster Laboratories Sample No. SW5518585

Group No. 1118409

SB11-S-45.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 13:50 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1145

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:39	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 20:40	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 20:40	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:39	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	1

Lancaster Laboratories Sample No. SW5518586
Group No. 1118409
SB11-S-50.5-081103 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622 SB11

Collected: 11/03/2008 13:55 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1150

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	25	Detection Limit	mg/kg	1
01725	TPH-GRO - Soils	n.a.	59	Detection Limit	mg/kg	100
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. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.						
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.023	mg/kg	45.45
02017	di-Isopropyl ether	108-20-3	N.D.	0.045	mg/kg	45.45
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.045	mg/kg	45.45
02019	t-Amyl methyl ether	994-05-8	N.D.	0.045	mg/kg	45.45
02020	t-Butyl alcohol	75-65-0	N.D.	0.91	mg/kg	45.45
05460	Benzene	71-43-2	N.D.	0.023	mg/kg	45.45
05461	1,2-Dichloroethane	107-06-2	N.D.	0.045	mg/kg	45.45
05466	Toluene	108-88-3	N.D.	0.045	mg/kg	45.45
05471	1,2-Dibromoethane	106-93-4	N.D.	0.045	mg/kg	45.45
05474	Ethylbenzene	100-41-4	N.D.	0.045	mg/kg	45.45
06301	Xylene (Total)	1330-20-7	N.D.	0.045	mg/kg	45.45

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.

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. SW5518586

Group No. 1118409

SB11-S-50.5-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 13:55 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1150

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008	03:29	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008	14:04	Linda C Pape	100
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008	19:09	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008	14:05	Kerri E Koch	45.45
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008	20:43	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008	20:44	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008	20:44	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008	20:43	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008	06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008	06:30	Joseph S Feister	1

Lancaster Laboratories Sample No. SW5518587
Group No. 1118409
SB11-S-56-081103 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622 SB11

Collected: 11/03/2008 14:00 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1156

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	45		4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	98		8.0	mg/kg	200
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. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.							
07361	BTEX+5 Oxygenates+EDC+EDB						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.023	mg/kg	46.82
02017	di-Isopropyl ether	108-20-3	N.D.		0.047	mg/kg	46.82
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.047	mg/kg	46.82
02019	t-Amyl methyl ether	994-05-8	N.D.		0.047	mg/kg	46.82
02020	t-Butyl alcohol	75-65-0	N.D.		0.94	mg/kg	46.82
05460	Benzene	71-43-2	N.D.		0.023	mg/kg	46.82
05461	1,2-Dichloroethane	107-06-2	N.D.		0.047	mg/kg	46.82
05466	Toluene	108-88-3	N.D.		0.047	mg/kg	46.82
05471	1,2-Dibromoethane	106-93-4	N.D.		0.047	mg/kg	46.82
05474	Ethylbenzene	100-41-4	N.D.		0.047	mg/kg	46.82
06301	Xylene (Total)	1330-20-7	N.D.		0.047	mg/kg	46.82

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.

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. SW5518587

Group No. 1118409

SB11-S-56-081103 Grab Soil
 Facility# 307233 CRAW
 2259 First St-Livermore T0600196622 SB11
 Collected:11/03/2008 14:00 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10
 Reported: 12/01/2008 at 15:38
 Discard: 01/01/2009

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

L1156

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008	03:49	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008	14:41	Linda C Pape	200
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008	19:33	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008	14:27	Kerri E Koch	46.82
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008	20:48	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008	20:49	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008	20:49	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008	20:48	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008	06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008	06:30	Joseph S Feister	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. SW5518588

Group No. 1118409

SB11-S-61-081103 Grab Soil
 Facility# 307233 CRAW
 2259 First St-Livermore T0600196622 SB11
 Collected:11/03/2008 14:10 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10
 Reported: 12/01/2008 at 15:38
 Discard: 01/01/2009

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

L1161

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg 1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg 25
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	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 04:10		Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 07:48		Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 19:57		Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/09/2008 04:28		Holly Berry	1

Lancaster Laboratories Sample No. SW5518588

Group No. 1118409

SB11-S-61-081103 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 14:10 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1161

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:52	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 20:53	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	5	11/07/2008 08:36	Chad Wettig	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	6	11/07/2008 08:39	Chad Wettig	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 20:52	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:53	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518589

Group No. 1118409

SB10-S-16-081104 Grab Soil
 Facility# 307233 CRAW
 2259 First St-Livermore T0600196622 SB10
 Collected:11/04/2008 09:15 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10
 Reported: 12/01/2008 at 15:38
 Discard: 01/01/2009

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

L1016

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	mg/kg 1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	mg/kg 25
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	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 04:30		Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 08:26		Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 20:21		Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 02:59		Kelly E Brickley	1

Lancaster Laboratories Sample No. SW5518589

Group No. 1118409

SB10-S-16-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected: 11/04/2008 09:15 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1016

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:57	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 20:57	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 20:56	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 20:55	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518590

Group No. 1118409

SB10-S-26-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected:11/04/2008 09:20 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1026

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
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	1.06
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.06
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.06
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.06
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.06
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.06
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.06
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.06
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.06
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.06
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.06

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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 04:50	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 09:03	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 20:45	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 14:44	Emiley A King	1.06

Lancaster Laboratories Sample No. SW5518590

Group No. 1118409

SB10-S-26-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected: 11/04/2008 09:20 by IH

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

L1026

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:00	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 21:00	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 21:01	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:01	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518591

Group No. 1118409

SB10-S-36-081104 Grab Soil
 Facility# 307233 CRAW
 2259 First St-Livermore T0600196622 SB10
 Collected:11/04/2008 09:30 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10
 Reported: 12/01/2008 at 15:38
 Discard: 01/01/2009

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

L1036

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.		4.0	1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	25
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.		10	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.		10	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	0.92
02017	di-Isopropyl ether	108-20-3	N.D.		0.0009	0.92
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.0009	0.92
02019	t-Amyl methyl ether	994-05-8	N.D.		0.0009	0.92
02020	t-Butyl alcohol	75-65-0	N.D.		0.018	0.92
05460	Benzene	71-43-2	N.D.		0.0005	0.92
05461	1,2-Dichloroethane	107-06-2	N.D.		0.0009	0.92
05466	Toluene	108-88-3	N.D.		0.0009	0.92
05471	1,2-Dibromoethane	106-93-4	N.D.		0.0009	0.92
05474	Ethylbenzene	100-41-4	N.D.		0.0009	0.92
06301	Xylene (Total)	1330-20-7	N.D.		0.0009	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		
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 05:10	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 09:41	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/09/2008 21:09	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/07/2008 19:13	Emiley A King	0.92

Lancaster Laboratories Sample No. SW5518591

Group No. 1118409

SB10-S-36-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected: 11/04/2008 09:30 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1036

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:07	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 21:06	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 21:08	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:07	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 06:30	Joseph S Feister	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/06/2008 06:30	Joseph S Feister	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. SW5518592

Group No. 1118409

SB10-S-46-081104 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622 SB10
Collected:11/04/2008 09:40 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10
Reported: 12/01/2008 at 15:38
Discard: 01/01/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

L1046

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	4.2		4.0	1
01725	TPH-GRO - Soils	n.a.	N.D.		1.0	25
02516	TPH Fuels by GC (Soils)					
02518	Total TPH	n.a.	N.D.		10	1
02552	TPH Motor Oil C16-C36	n.a.	N.D.		10	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	1.04
02017	di-Isopropyl ether	108-20-3	N.D.		0.001	1.04
02018	Ethyl t-butyl ether	637-92-3	N.D.		0.001	1.04
02019	t-Amyl methyl ether	994-05-8	N.D.		0.001	1.04
02020	t-Butyl alcohol	75-65-0	N.D.		0.021	1.04
05460	Benzene	71-43-2	N.D.		0.0005	1.04
05461	1,2-Dichloroethane	107-06-2	N.D.		0.001	1.04
05466	Toluene	108-88-3	N.D.		0.001	1.04
05471	1,2-Dibromoethane	106-93-4	N.D.		0.001	1.04
05474	Ethylbenzene	100-41-4	N.D.		0.001	1.04
06301	Xylene (Total)	1330-20-7	N.D.		0.001	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			Dilution Factor
			Trial#	Date and Time	Analyst	
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/07/2008 23:52	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/06/2008 23:39	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/12/2008 02:18	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/09/2008 01:06	Holly Berry	1.04

Lancaster Laboratories Sample No. SW5518592

Group No. 1118409

SB10-S-46-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected: 11/04/2008 09:40 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1046

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:26	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 21:27	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 21:28	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:27	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 11:30	Olivia Arosemena	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/10/2008 23:45	Patricia L Foreman	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. SW5518593

Group No. 1118409

SB10-S-56-081104 Grab Soil
 Facility# 307233 CRAW
 2259 First St-Livermore T0600196622 SB10
 Collected:11/04/2008 09:50 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10
 Reported: 12/01/2008 at 15:38
 Discard: 01/01/2009

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

L1056

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
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	0.97
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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/08/2008 00:12	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 00:16	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/12/2008 02:42	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/09/2008 01:28	Holly Berry	0.97

Lancaster Laboratories Sample No. SW5518593

Group No. 1118409

SB10-S-56-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected: 11/04/2008 09:50 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1056

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:32	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 21:33	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 21:32	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:34	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 11:30	Olivia Arosemena	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/10/2008 23:45	Patricia L Foreman	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. SW5518594

Group No. 1118409

SB10-S-62-081104 Grab Soil
 Facility# 307233 CRAW
 2259 First St-Livermore T0600196622 SB10
 Collected:11/04/2008 10:10 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10
 Reported: 12/01/2008 at 15:38
 Discard: 01/01/2009

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

L1062

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	Detection Limit 1.0	mg/kg	25
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			Dilution Factor
			Trial#	Date and Time	Analyst	
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	11/08/2008 00:32	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/07/2008 00:52	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	11/12/2008 03:06	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/09/2008 01:51	Holly Berry	1.01

Lancaster Laboratories Sample No. SW5518594

Group No. 1118409

SB10-S-62-081104 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected:11/04/2008 10:10 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

L1062

00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:36	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/05/2008 21:38	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/05/2008 21:38	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/05/2008 21:37	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	11/06/2008 11:30	Olivia Arosemena	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	11/10/2008 23:45	Patricia L Foreman	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. WW5518595

Group No. 1118409

SB12-W-50-081103 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 11:00 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

S1250

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02216	TPH-DRO by 8015B w/ Silica Gel	n.a.	4,000		320	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
01728	TPH-GRO N. CA water C6-C12	n.a.	5,500		250	ug/l	5
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	N.D.		2	ug/l	1
05401	Benzene	71-43-2	190		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		0.5	ug/l	1
05407	Toluene	108-88-3	15		0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	100		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	220		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.

Lancaster Laboratories Sample No. WW5518595

Group No. 1118409

SB12-W-50-081103 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB12

Collected:11/03/2008 11:00 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

S1250

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02216	TPH-DRO by 8015B w/ Silica Gel	SW-846 8015B	1	11/08/2008 01:33	Diane V Do	1
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/11/2008 01:12	Kathie J Bowman	5
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	11/07/2008 14:52	Heather E Williams	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/12/2008 13:25	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/11/2008 01:12	Kathie J Bowman	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/12/2008 13:25	Ginelle L Feister	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	11/06/2008 15:30	Kelli M Barto	1
07003	Extraction - DRO (Waters)	SW-846 3510C	2	11/06/2008 15:30	Kelli M Barto	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. WW5518596

Group No. 1118409

SB11-W-50-081103 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected:11/03/2008 14:20 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

S1150

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02216	TPH-DRO by 8015B w/ Silica Gel	n.a.	20,000		1,600	ug/l	5
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
01728	TPH-GRO N. CA water C6-C12	n.a.	9,000		250	ug/l	5
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	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	3		0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	17		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	150		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.						

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

Lancaster Laboratories Sample No. WW5518596

Group No. 1118409

SB11-W-50-081103 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB11

Collected: 11/03/2008 14:20 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

Reported: 12/01/2008 at 15:38

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

S1150

CAT	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
-----	---------------	------------	--------------------	--------------------	-----------------	-------	-----------------

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02216	TPH-DRO by 8015B w/ Silica Gel	SW-846 8015B	1	11/10/2008 13:08		Diane V Do	5
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/11/2008 01:05		Martha L Seidel	5
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	11/07/2008 15:16		Heather E Williams	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/13/2008 14:53		Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/11/2008 01:05		Martha L Seidel	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/13/2008 14:53		Ginelle L Feister	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	11/06/2008 15:30		Kelli M Barto	1
07003	Extraction - DRO (Waters)	SW-846 3510C	2	11/06/2008 15:30		Kelli M Barto	1

Lancaster Laboratories Sample No. WW5518597
Group No. 1118409
SB10-W-50-081104 Grab Water
Facility# 307233 CRAW
2259 First St-Livermore T0600196622 SB10

Collected: 11/04/2008 10:40 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

S1050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02216	TPH-DRO by 8015B w/ Silica Gel	n.a.	N.D.	320	ug/l	1
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.					
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	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.					
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	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

Lancaster Laboratories Sample No. WW5518597

Group No. 1118409

SB10-W-50-081104 Grab Water

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected: 11/04/2008 10:40 by IH

Account Number: 10880

Submitted: 11/05/2008 10:10

ChevronTexaco

Reported: 12/01/2008 at 15:38

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

S1050

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

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		
02216	TPH-DRO by 8015B w/ Silica Gel	SW-846 8015B	1	11/08/2008 02:13	Diane V Do	1
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/11/2008 00:06	Martha L Seidel	1
02500	TPH Fuels by GC (Waters)	SW-846 8015B modified	1	11/07/2008 15:41	Heather E Williams	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/12/2008 15:00	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/11/2008 00:06	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/12/2008 15:00	Ginelle L Feister	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	11/06/2008 15:30	Kelli M Barto	1
07003	Extraction - DRO (Waters)	SW-846 3510C	2	11/06/2008 15:30	Kelli M Barto	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 12/01/08 at 03:38 PM

Group Number: 1118409

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: 083100037A TPH-DRO by 8015B w/Silica Gel	Sample number(s): N.D.	4.0	5518571,5518574-5518591 mg/kg	96		76-117		
Batch number: 083100037B Total TPH TPH Motor Oil C16-C36	Sample number(s): N.D. N.D.	10. 10.	5518571,5518574-5518591 mg/kg mg/kg	91		74-119		
Batch number: 08310A34B TPH-GRO - Soils	Sample number(s): N.D.	1.0	5518592-5518594 mg/kg	84	90	67-119	6	30
Batch number: 083110001A TPH-DRO by 8015B w/Silica Gel	Sample number(s): N.D.	4.0	5518592-5518594 mg/kg	88	87	76-117	2	20
Batch number: 083110006A TPH-DRO by 8015B w/ Silica Gel	Sample number(s): N.D.	32.	5518572-5518573,5518595-5518597 ug/l	86	95	60-124	10	20
Batch number: 083110007A Total TPH TPH Motor Oil C16-C36	Sample number(s): N.D. N.D.	40. 40.	5518572-5518573,5518595-5518597 ug/l ug/l	83	93	60-120	11	20
Batch number: 08311A33A TPH-GRO - Soils	Sample number(s): N.D.	1.0	5518571,5518574,5518577-5518584,5518588-5518591 mg/kg	83		67-119		
Batch number: 08311A33B TPH-GRO - Soils	Sample number(s): N.D.	1.0	5518575-5518576,5518585-5518587 mg/kg	83		67-119		
Batch number: 083150016A Total TPH TPH Motor Oil C16-C36	Sample number(s): N.D. N.D.	10. 10.	5518592-5518594 mg/kg mg/kg	84		74-119		
Batch number: 08315A08A TPH-GRO N. CA water C6-C12	Sample number(s): N.D.	50.	5518572-5518573,5518595 ug/l	127	109	75-135	15	30
Batch number: 08315B15A TPH-GRO N. CA water C6-C12	Sample number(s): N.D.	50.	5518596-5518597 ug/l	100	100	75-135	0	30
Batch number: B083112AA 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	Sample number(s): N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.0005 0.001 0.001 0.001 0.020 0.0005 0.001 0.001 0.001 0.001 0.001	5518571,5518574,5518577-5518578,5518581-5518584,5518589 mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	85 81 80 82 101 92 91 88 88 83	89 87 84 86 104 99 98 97 93 90	72-117 72-120 67-124 60-132 66-146 84-115 76-135 81-116 77-114 82-115	5 7 4 5 2 7 7 9 6 8	30 30 30 30 30 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: 12/01/08 at 03:38 PM

Group Number: 1118409

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	85	93	82-117	8	30
Batch number: B083121AA	Sample number(s): 5518590-5518591							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	91	84	72-117	8	30
di-Isopropyl ether	N.D.	0.001	mg/kg	89	85	72-120	4	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	87	82	67-124	6	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	87	81	60-132	7	30
t-Butyl alcohol	N.D.	0.020	mg/kg	105	103	66-146	2	30
Benzene	N.D.	0.0005	mg/kg	97	93	84-115	5	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	112	104	76-135	7	30
Toluene	N.D.	0.001	mg/kg	93	90	81-116	4	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	95	85	77-114	10	30
Ethylbenzene	N.D.	0.001	mg/kg	88	83	82-115	5	30
Xylene (Total)	N.D.	0.001	mg/kg	90	85	82-117	6	30
Batch number: B083131AB	Sample number(s): 5518588,5518592-5518594							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	88	87	72-117	1	30
di-Isopropyl ether	N.D.	0.001	mg/kg	90	88	72-120	3	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	88	86	67-124	2	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	88	87	60-132	1	30
t-Butyl alcohol	N.D.	0.020	mg/kg	103	110	66-146	6	30
Benzene	N.D.	0.0005	mg/kg	104	101	84-115	4	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	105	102	76-135	3	30
Toluene	N.D.	0.001	mg/kg	101	97	81-116	5	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	90	89	77-114	2	30
Ethylbenzene	N.D.	0.001	mg/kg	94	92	82-115	3	30
Xylene (Total)	N.D.	0.001	mg/kg	98	95	82-117	2	30
Batch number: B083131AC	Sample number(s): 5518585							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	88	87	72-117	1	30
di-Isopropyl ether	N.D.	0.001	mg/kg	90	88	72-120	3	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	88	86	67-124	2	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	88	87	60-132	1	30
t-Butyl alcohol	N.D.	0.020	mg/kg	103	110	66-146	6	30
Benzene	N.D.	0.0005	mg/kg	104	101	84-115	4	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	105	102	76-135	3	30
Toluene	N.D.	0.001	mg/kg	101	97	81-116	5	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	90	89	77-114	2	30
Ethylbenzene	N.D.	0.001	mg/kg	94	92	82-115	3	30
Xylene (Total)	N.D.	0.001	mg/kg	98	95	82-117	2	30
Batch number: D083172AA	Sample number(s): 5518572-5518573,5518595,5518597							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	104		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	90		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	100		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	107		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	100		74-117		
Benzene	N.D.	0.5	ug/l	97		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	109		69-135		
Toluene	N.D.	0.5	ug/l	107		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	105		81-114		
Ethylbenzene	N.D.	0.5	ug/l	104		82-119		
Xylene (Total)	N.D.	0.5	ug/l	110		83-113		
Batch number: D083181AA	Sample number(s): 5518596							

*- 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: 12/01/08 at 03:38 PM

Group Number: 1118409

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>
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	108		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	84		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	97		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	108		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	90		74-117		
Benzene	N.D.	0.5	ug/l	94		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	111		69-135		
Toluene	N.D.	0.5	ug/l	93		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	93		81-114		
Ethylbenzene	N.D.	0.5	ug/l	91		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		83-113		

Batch number: R083121AA	Sample number(s): 5518575-5518576,5518579-5518580,5518586-5518587
Methyl Tertiary Butyl Ether	N.D. 0.025 mg/kg 97 98 72-117 1 30
di-Isopropyl ether	N.D. 0.050 mg/kg 95 97 72-120 1 30
Ethyl t-butyl ether	N.D. 0.050 mg/kg 96 98 67-124 1 30
t-Amyl methyl ether	N.D. 0.050 mg/kg 98 99 60-132 2 30
t-Butyl alcohol	N.D. 1.0 mg/kg 94 94 66-146 0 30
Benzene	N.D. 0.025 mg/kg 95 96 84-115 1 30
1,2-Dichloroethane	N.D. 0.050 mg/kg 97 98 76-135 1 30
Toluene	N.D. 0.050 mg/kg 96 98 81-116 2 30
1,2-Dibromoethane	N.D. 0.050 mg/kg 98 99 77-114 1 30
Ethylbenzene	N.D. 0.050 mg/kg 96 97 82-115 1 30
Xylene (Total)	N.D. 0.050 mg/kg 95 96 82-117 1 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: 083100037A TPH-DRO by 8015B w/Silica Gel	92		30-159	11	30	N.D.	N.D.	0 (1)	20
Batch number: 083100037B Total TPH TPH Motor Oil C16-C36	91		49-123	11	30	N.D.	N.D.	0 (1)	20
Batch number: 08311A33A TPH-GRO - Soils	83	92	39-118	11	30				
Batch number: 08311A33B TPH-GRO - Soils	83	92	39-118	11	30				
Batch number: 083150016A Total TPH	86		49-123	11	30	N.D.	N.D.	0 (1)	20
Batch number: 08315A08A TPH-GRO N. CA water C6-C12	81		63-154	11	30				
Batch number: 08315B15A									

*- 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: 12/01/08 at 03:38 PM

Group Number: 1118409

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 RPD</u> <u>Max</u>
TPH-GRO N. CA water C6-C12	100		63-154						
Batch number: B083112AA	Sample number(s): 5518571,5518574,5518577-5518578,5518581-5518584,5518589 UNSPK: P515911								
Methyl Tertiary Butyl Ether	73		59-119						
di-Isopropyl ether	77		58-113						
Ethyl t-butyl ether	71		60-112						
t-Amyl methyl ether	70		54-121						
t-Butyl alcohol	105		50-143						
Benzene	81		66-112						
1,2-Dichloroethane	91		62-130						
Toluene	72		58-116						
1,2-Dibromoethane	73		65-115						
Ethylbenzene	54		54-116						
Xylene (Total)	56		52-117						
Batch number: B083121AA	Sample number(s): 5518590-5518591 UNSPK: 5518591								
Methyl Tertiary Butyl Ether	94		59-119						
di-Isopropyl ether	100		58-113						
Ethyl t-butyl ether	92		60-112						
t-Amyl methyl ether	90		54-121						
t-Butyl alcohol	120		50-143						
Benzene	117*		66-112						
1,2-Dichloroethane	124		62-130						
Toluene	112		58-116						
1,2-Dibromoethane	100		65-115						
Ethylbenzene	106		54-116						
Xylene (Total)	109		52-117						
Batch number: B083131AB	Sample number(s): 5518588,5518592-5518594 UNSPK: 5518593								
Methyl Tertiary Butyl Ether	105		59-119						
di-Isopropyl ether	110		58-113						
Ethyl t-butyl ether	103		60-112						
t-Amyl methyl ether	102		54-121						
t-Butyl alcohol	143		50-143						
Benzene	133*		66-112						
1,2-Dichloroethane	131*		62-130						
Toluene	131*		58-116						
1,2-Dibromoethane	116*		65-115						
Ethylbenzene	125*		54-116						
Xylene (Total)	128*		52-117						
Batch number: B083131AC	Sample number(s): 5518585 UNSPK: P518593								
Methyl Tertiary Butyl Ether	105		59-119						
di-Isopropyl ether	110		58-113						
Ethyl t-butyl ether	103		60-112						
t-Amyl methyl ether	102		54-121						
t-Butyl alcohol	143		50-143						
Benzene	133*		66-112						
1,2-Dichloroethane	131*		62-130						
Toluene	131*		58-116						
1,2-Dibromoethane	116*		65-115						
Ethylbenzene	125*		54-116						

*- 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: 12/01/08 at 03:38 PM

Group Number: 1118409

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 RPD</u> <u>Max</u>
Xylene (Total)	128*		52-117						
Batch number: D083172AA	Sample number(s): 5518572-5518573,5518595,5518597 UNSPK: 5518573								
Methyl Tertiary Butyl Ether	110	110	69-127	0	30				
di-Isopropyl ether	99	99	68-129	0	30				
Ethyl t-butyl ether	107	109	78-119	1	30				
t-Amyl methyl ether	115	116	72-125	1	30				
t-Butyl alcohol	101	106	70-121	5	30				
Benzene	104	104	83-128	0	30				
1,2-Dichloroethane	112	114	70-143	1	30				
Toluene	111	109	83-127	2	30				
1,2-Dibromoethane	108	111	78-120	2	30				
Ethylbenzene	111	111	82-129	0	30				
Xylene (Total)	115	113	82-130	1	30				
Batch number: D083181AA	Sample number(s): 5518596 UNSPK: P521410								
Methyl Tertiary Butyl Ether	100	115	69-127	10	30				
di-Isopropyl ether	86	89	68-129	4	30				
Ethyl t-butyl ether	100	103	78-119	4	30				
t-Amyl methyl ether	112	119	72-125	6	30				
t-Butyl alcohol	77	98	70-121	9	30				
Benzene	98	101	83-128	4	30				
1,2-Dichloroethane	112	117	70-143	4	30				
Toluene	96	101	83-127	6	30				
1,2-Dibromoethane	92	97	78-120	5	30				
Ethylbenzene	97	100	82-129	3	30				
Xylene (Total)	101	105	82-130	4	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 soil C10-C28 w/Si Gel
 Batch number: 083100037A
 Orthoterphenyl

5518571	90
5518574	98
5518575	90
5518576	101
5518577	101
5518578	91
5518579	99
5518580	91
5518581	98
5518582	100
5518583	90
5518584	94
5518585	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.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/01/08 at 03:38 PM

Group Number: 1118409

Surrogate Quality Control

5518586	93
5518587	96
5518588	89
5518589	85
5518590	96
5518591	91
Blank	104
DUP	102
LCS	109
MS	103

Limits: 59-129

Analysis Name: TPH Fuels by GC (Soils)
Batch number: 083100037B

	Chlorobenzene	Orthoterphenyl
5518571	99	86
5518574	98	91
5518575	95	86
5518576	271*	92
5518577	99	83
5518578	99	86
5518579	0*	90
5518580	0*	93
5518581	95	89
5518582	94	87
5518583	101	89
5518584	96	83
5518585	112	83
5518586	175*	88
5518587	238*	91
5518588	106	82
5518589	91	85
5518590	92	84
5518591	96	81
Blank	93	93
DUP	100	90
LCS	89	78
MS	94	91

Limits: 37-125 59-129

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 08310A34B

	Trifluorotoluene-F
5518592	77
5518593	77
5518594	78
Blank	81
LCS	79
LCSD	84

Limits: 61-122

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 083110001A

*- 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: 12/01/08 at 03:38 PM

Group Number: 1118409

Surrogate Quality Control

Orthoterphenyl

5518592	87
5518593	93
5518594	96
Blank	100
LCS	108
LCSD	105

Limits: 59-129

Analysis Name: TPH-DRO water C10-C28 w/Si Gel
Batch number: 083110006A
Orthoterphenyl

5518572	89
5518573	84
5518595	93
5518596	96
5518597	92
Blank	98
LCS	107
LCSD	110

Limits: 54-127

Analysis Name: TPH Fuels by GC (Waters)
Batch number: 083110007A
Chlorobenzene Orthoterphenyl

5518572	778*	80
5518573	62	86
5518595	0*	86
5518596	245*	90
5518597	65	77
Blank	86	95
LCS	77	94
LCSD	83	100

Limits: 28-152 52-131

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 08311A33A
Trifluorotoluene-F

5518571	90
5518574	83
5518577	82
5518578	83
5518579	6*
5518580	11*
5518581	92
5518582	96
5518583	83
5518584	79
5518588	79
5518589	87
5518590	79

*- 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: 12/01/08 at 03:38 PM

Group Number: 1118409

Surrogate Quality Control

5518591	85
Blank	90
LCS	87
MS	85
MSD	89

Limits: 61-122

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 08311A33B
Trifluorotoluene-F

5518575	11*
5518576	13*
5518585	12*
5518586	28*
5518587	15*
Blank	85
LCS	87
MS	85
MSD	89

Limits: 61-122

Analysis Name: TPH Fuels by GC (Soils)

Batch number: 083150016A
Chlorobenzene Orthoterphenyl

5518592	89	85
5518593	75	79
5518594	86	89
Blank	96	95
DUP	77	83
LCS	88	97
MS	84	93

Limits: 37-125 59-129

Analysis Name: TPH-GRO N. CA water C6-C12

Batch number: 08315A08A
Trifluorotoluene-F

5518572	95
5518573	92
5518595	119
Blank	95
LCS	107
LCSD	106
MS	100

Limits: 63-135

Analysis Name: TPH-GRO N. CA water C6-C12

Batch number: 08315B15A
Trifluorotoluene-F

5518596	175*
5518597	101

*- 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: 12/01/08 at 03:38 PM

Group Number: 1118409

Surrogate Quality Control

 Blank 106
 LCS 106
 LCSD 105
 MS 114

Limits: 63-135

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B083112AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5518571	93	78	80	76
5518574	92	85	82	79
5518577	94	87	80	81
5518578	89	81	83	82
5518581	97	97	79	85
5518582	92	83	82	78
5518583	94	85	81	79
5518584	94	82	83	78
5518589	98	90	80	79
Blank	93	86	82	79
LCS	90	84	84	84
LCSD	90	85	84	84
MS	91	80	86	86

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

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B083121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5518590	95	82	81	78
5518591	97	82	81	78
Blank	94	84	81	79
LCS	91	86	85	87
LCSD	92	83	84	86
MS	93	81	85	87

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

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B083131AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5518588	94	83	81	80
5518592	89	81	82	83
5518593	93	76	80	80
5518594	93	83	79	81
Blank	91	84	81	81
LCS	89	85	83	86
LCSD	91	82	83	85
MS	91	80	84	87

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

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B083131AC

	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: 12/01/08 at 03:38 PM

Group Number: 1118409

Surrogate Quality Control

5518585	94	83	77	106
Blank	92	86	79	80
LCS	89	85	83	86
LCSD	91	82	83	85
MS	91	80	84	87
Limits:	71-114	70-109	70-123	70-111

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: D083172AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5518572	93	95	97	109
5518573	97	98	94	98
5518595	91	96	97	111
5518597	94	96	93	95
Blank	94	95	93	91
LCS	95	96	96	107
MS	95	98	97	104
MSD	93	95	94	103
Limits:	80-116	77-113	80-113	78-113

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: D083181AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5518596	94	96	85	108
Blank	101	104	86	93
LCS	99	104	87	105
MS	100	102	87	105
MSD	96	102	86	103
Limits:	80-116	77-113	80-113	78-113

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: R083121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5518575	82	85	86	89
5518576	82	87	86	85
5518579	82	85	112	111
5518580	86	90	98	99
5518586	82	87	87	88
5518587	82	87	86	88
Blank	93	96	95	93
LCS	95	100	97	97
LCSD	93	95	96	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



110408-08

For Lancaster Laboratories use only
 Acct. # 10880 Sample # 5518570-97 SCR#: 250805

Group # 1118409

Facility #: 30-7233 (A14)
 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 #: 510-420-0700 Fax #: 510-420-9170
 Sampler: S. McNaboe
 Service Order #: _____ Non SAR: _____

Analyses Requested										
Preservation Codes										
Total Number of Containers	BTEX + MTBE 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	Z Oxygenates 82603	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPH MOD 8015M			

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 <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	Z Oxygenates 82603	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPH MOD 8015M
CPT5-S1.5	S		S1.5	08 11 03	1215		X			X	X	X	X	X		X

Comments / Remarks
 Please send EDF data to DOTPRE@crowworld.com
 Email Results to ihull@crowworld.com & cevans@crowworld.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>11/3/08</u>	Time: <u>1800</u>	Received by: <u>Secure location</u>	Date: <u>11/3/08</u>	Time: <u>1800</u>
Relinquished by: <u>BELEW YIFRU</u>	Date: <u>11/4/08</u>	Time: <u>1444</u>	Received by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: <u>1445</u>
Relinquished by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: _____	Received by: <u>DHL</u>	Date: <u>11/4/08</u>	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other <u>DHL</u>	Received by: <u>Deborah A. Neslund</u>		Date: <u>11/5/08</u>	Time: <u>1010</u>	
Temperature Upon Receipt: <u>10-3.7 C°</u>	Custody Seals Intact? <u>Yes</u> No				

Chevron California Region Analysis Request/Chain of Custody



110408-07

Acc. # 10880 For Lancaster Laboratories use only Sample # 5518570-97

250808

SCR#: _____
Group # 1118409

Facility #: 30-7233 (A14)
 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 #: 510-470-0700 Fax #: 510-4909170
 Sampler: S. McNabb
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes										
BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	7 Oxygenates 8260B	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPH MD 8015M				

Preservative Codes	
H = HCl	T = Thiosulfate
N = HNO ₃	B = NaOH
S = H ₂ SO ₄	O = Other

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 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	7 Oxygenates 8260B	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPH MD 8015M
CPT5-W-55	W	N	55	08 11 03	1230	Y	X		10	X	X	X	X	X		
CPT5-W-68	W	N	68	08 11 03	1350	Y	X		10	X	X	X	X	X		

- 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 send EDF Data to pohere@creworld.com
 email + results to ihull@creworld.com
 & cevens@creworld.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 1 - Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>11/3/08</u>	Time: <u>1800</u>	Received by: <u>Secure Location</u>	Date: <u>11/3/08</u>	Time: <u>1800</u>
Relinquished by: <u>BELEW YIFRU</u>	Date: <u>11/4/08</u>	Time: <u>1444</u>	Received by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: <u>1445</u>
Relinquished by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: _____	Received by: <u>DHL</u>	Date: <u>11/4/08</u>	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other <u>DHL</u>	Temperature Upon Receipt <u>1.0 - 3.7 C°</u>		Received by: <u>Deborah Neslund</u>	Date: <u>11/5/08</u>	Time: <u>1010</u>
Custody Seals Intact? <u>Yes</u> No					

Chevron California Region Analysis Request/Chain of Custody



250806

For Lancaster Laboratories use only
 Acct. # 10880 Sample # 5518570-97

SCR#: _____
 Group# 1118409

11D408-05

Facility #: 30-7233 AIL
 Site Address: 2259 FIRST ST., LIVE MORE, CA
 Chevron PM: IAN ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: CHARLOTTE EVANS
 Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR: _____

Analyses Requested											
Preservation Codes											

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	8260	Oxygenates by 8260	Lead 7420	7421	TPH mg by 8015
SB12-15.5	S	N	15.5	2008 11 03	1010	Y	X		1	X	X	X	X	X	X	X			
SB12-15.5 IMH																			
SB12-25.5	S	N	25.5	2008 11 03	1015	Y	X		1	X	X	X	X	X	X	X			
SB12-30			30		1018														
SB12-35.5			35.5		1020														
SB12-45.5			45.5		1030														
SB12-50.5			50.5		1035														
SB12-55.5			55.5		1040														
SB12-60.5			60.5		1110														
SB11-S-16			16		1325														
SB11-S-26			26		1330														
SB11-S-36			36		1338														

Comments / Remarks
 PLEASE EMAIL RESULTS TO
 CEVANS@craworld.com
 ihull@craworld.com
 EDF DATA TO
 dchar@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>Ian Hull</u>	Date: <u>11/3/08</u>	Time: <u>1800</u>	Received by: <u>SECURE LOCATION</u>	Date: <u>11/3/08</u>	Time: <u>1800</u>
Relinquished by: <u>SELEW YIFRU</u>	Date: <u>11/4/08</u>	Time: <u>1444</u>	Received by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: <u>1445</u>
Relinquished by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: _____
Relinquished by Commercial Carrier: <u>DHL</u>	UPS	FedEx	Other	Received by: <u>Deborah Nedel</u>	Date: <u>11/5/08</u> Time: <u>1010</u>
Temperature Upon Receipt: <u>1.0-3.7 C°</u>	Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

Chevron California Region Analysis Request/Chain of Custody



110408-04

For Lancaster Laboratories use only
 Acct. # 10880 Sample # 5518570-97

250809

SCR#:

Group# 1118409

Facility #: 30-7233 AIL
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: IAN ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: CHARLOTTE EVANS
 Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes										
BTEX + MTBE	8260	<input checked="" type="checkbox"/> 8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	<input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	<input checked="" type="checkbox"/> LEAD SCANS BY 8260	Lead 7420	<input type="checkbox"/> 7421
							TPH mo by 8015			

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	<input checked="" type="checkbox"/> Silica Gel Cleanup	8260 full scan	<input checked="" type="checkbox"/> LEAD SCANS BY 8260	Lead 7420	<input type="checkbox"/> 7421	TPH mo by 8015	
SB11-S-45.5	S	N	45.5	2008 11 03	1350	Y	X		1	X	X	X	X	X	<input checked="" type="checkbox"/>	X	X				X
SB11-S-50.5	S	N	50.5	2008 11 03	1355	Y	X		1	X	X	X	X	X	<input checked="" type="checkbox"/>	X	X				X
SB11-S-56	S	N	56	2008 11 03	1400	Y	X		1	X	X	X	X	X	<input checked="" type="checkbox"/>	X	X				X
SB11-S-61	S	N	61	2008 11 03	1410	Y	X		1	X	X	X	X	X	<input checked="" type="checkbox"/>	X	X				X

Comments / Remarks
 PLEASE EMAIL RESULTS TO
 cevans@croworld.com
 ihull@croworld.com
 EDF TO
 ddhare@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>Ian Hull</u>	Date: <u>11/03/08</u>	Time: <u>1800</u>	Received by: <u>SECURE LOCATION</u>	Date: <u>11/03/08</u>	Time: <u>1800</u>
Relinquished by: <u>BELEW YIFRU</u>	Date: <u>11/4/08</u>	Time: <u>1444</u>	Received by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: <u>1445</u>
Relinquished by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: _____	Received by: <u>DHL</u>	Date: <u>11/4/08</u>	Time: _____
Relinquished by Commercial Carrier: <u>DHL</u>	UPS FedEx Other	Received by: <u>Deborah Resh</u>	Date: <u>11/5/08</u>	Time: <u>1610</u>	
Temperature Upon Receipt: <u>1.0-3.7 C°</u>	Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

Chevron California Region Analysis Request/Chain of Custody



110408-03

Acct. #: 10880 For Lancaster Laboratories use only
 Sample #: 5518570-97

250843

SCR#:

Order# 1118409

Facility #: 30-7233 (AIL)
 Site Address: 2259 FIRST ST., LIVERMORE, CA
 Chevron PM: IAN ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: CHARLOTTE EVANS
 Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes

Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 <input 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 BY 8260	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPHmo by 8015											

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 <input 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 BY 8260	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	TPHmo by 8015					
SB10-S-16	SOIL	N	16	2008 11 04	0915	Y	X		1	X	X	X	X	X		X					
SB10-S-26			26		0920																
SB10-S-36			36		0930																
SB10-S-46			46		0940																
SB10-S-56			56		0950																
SB10-S-62			62		1010																

Comments / Remarks
 PLEASE EMAIL RESULTS TO
 cevans@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>BELEW YIFRU</u>	Date: <u>11/4/08</u>	Time: <u>1444</u>	Received by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: <u>1445</u>
Relinquished by: <u>[Signature]</u>	Date: <u>11-4-08</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: <u>FedEx</u>	Date: <u>11/5/08</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>11/5/08</u>	Time: <u>1010</u>
Temperature Upon Receipt: <u>1.0-3.7 C°</u>			Custody Seals Intact? <u>Yes</u> No		

Chevron California Region Analysis Request/Chain of Custody



110408-06

250807

For Lancaster Laboratories use only
 Acct. # 10880 Sample # 5518570-97 SCR# _____

Group # 111 8409

Facility #: 30-7233 AIL
 Site Address: 2259 FIRST ST, LIVERMORE, CA
 Chevron PM: IAN ROBB Lead Consultant: CRA
 Consultant/Office: EMERYVILLE
 Consultant Prj. Mgr.: CHARLOTTE EVANS
 Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
 Sampler: I. HULL
 Service Order #: _____ Non SAR: _____

Analyses Requested

Preservation Codes

BTEX + MTBE	8260	<input type="checkbox"/>	8021	<input type="checkbox"/>
TPH 8015 MOD	GRO	<input checked="" type="checkbox"/>		
TPH 8015 MOD DRO	Silica Gel Cleanup	<input checked="" type="checkbox"/>		
8260 full scan		<input checked="" type="checkbox"/>		
7 Oxygenates	LEAD SCANS BY 8260	<input checked="" type="checkbox"/>		
Lead 7420		<input type="checkbox"/>	7421	<input type="checkbox"/>
TPH mo	by 8015	<input checked="" type="checkbox"/>		

Preservative Codes

H = HCl	T = Thiosulfate
N = HNO ₃	B = NaOH
S = H ₂ SO ₄	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	7 Oxygenates	LEAD SCANS BY 8260	Lead 7420	7421	TPH mo by 8015	
SB12-50	W	N	50	08 11 03	1100	Y	X		10	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SB11-50	W	N	50	08 11 03	1420	Y	X		10	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Comments / Remarks
 RESULTS TO
 cevas and ihull
 both @craworld.com
 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) Coelit Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>Ian Hull</u>	Date: <u>11/03/08</u>	Time: <u>1800</u>	Received by: <u>SECURE LOCATION</u>	Date: <u>11/3/08</u>	Time: <u>1800</u>
Relinquished by: <u>RELEW YIFRU</u>	Date: <u>11/4/08</u>	Time: <u>1444</u>	Received by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: <u>1445</u>
Relinquished by: <u>[Signature]</u>	Date: <u>11/4/08</u>	Time: _____	Received by: <u>DHL</u>	Date: <u>11/4/08</u>	Time: _____
Relinquished by Commercial Carrier: <u>DHL</u>	UPS	FedEx	Other	Received by: <u>Deborah Nestlund</u>	Date: <u>11/5/08</u>
Temperature Upon Receipt: <u>1.0-3.7 C°</u>	Custody Seals Intact? <u>Yes</u> 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.

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 1116813. Samples arrived at the laboratory on Saturday, October 25, 2008. The PO# for this group is 0015036089 and the release number is ROBB.

Client Description

SB10-S-5-081023 Grab Soil

Lancaster Labs Number

5508730

ELECTRONIC Chevron
COPY TO
ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: CRA EDD

Attn: Charlotte Evans

Attn: Ian Hull

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

Respectfully Submitted,



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. SW5508730

Group No. 1116813

SB10-S-5-081023 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected:10/23/2008 16:05 by IH

Account Number: 10880

Submitted: 10/25/2008 10:00

Reported: 12/01/2008 at 15:37

Discard: 01/01/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

FSL10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	Detection Limit 4.0	mg/kg	1
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
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	0.97
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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	10/30/2008 22:05	Diane V Do	1
01725	TPH-GRO - Soils	SW-846 8015B modified	1	10/29/2008 17:37	Linda C Pape	25
02516	TPH Fuels by GC (Soils)	SW-846 8015B modified	1	10/30/2008 05:28	Heather E Williams	1
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/05/2008 05:55	Emily R Styer	0.97

Lancaster Laboratories Sample No. SW5508730

Group No. 1116813

SB10-S-5-081023 Grab Soil

Facility# 307233 CRAW

2259 First St-Livermore T0600196622 SB10

Collected:10/23/2008 16:05 by IH

Account Number: 10880

Submitted: 10/25/2008 10:00

ChevronTexaco

Reported: 12/01/2008 at 15:37

6001 Bollinger Canyon Rd L4310

Discard: 01/01/2009

San Ramon CA 94583

FSL10

00374	GC/MS - Bulk Sample Prep	SW-846 5035A Modified	1	11/04/2008 14:27	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5035A Modified	2	11/04/2008 14:26	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	10/28/2008 09:18	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	11/04/2008 14:27	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	10/29/2008 11:00	Olivia Arosemena	1
07004	Extraction - DRO (Soils)	SW-846 3550B	2	10/29/2008 11:00	Olivia Arosemena	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 12/01/08 at 03:37 PM

Group Number: 1116813

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: 083020021A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5508730 N.D.	4.0	mg/kg	97		76-117		
Batch number: 083020021B Total TPH TPH Motor Oil C16-C36	Sample number(s): 5508730 N.D. N.D.	10. 10.	mg/kg mg/kg	94		74-119		
Batch number: 08302A34B TPH-GRO - Soils	Sample number(s): 5508730 N.D.	1.0	mg/kg	97	94	67-119	3	30
Batch number: B083101AA 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): 5508730 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. N.D.	0.0005 0.001 0.001 0.001 0.020 0.0005 0.001 0.001 0.001 0.001 0.001 0.001	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	92 92 88 89 97 101 101 98 96 91 93 94	91 91 88 88 94 99 97 98 93 92 94	72-117 72-120 67-124 60-132 66-146 84-115 76-135 81-116 77-114 82-115 82-117	1 1 1 1 3 2 3 0 4 1 1	30 30 30 30 30 30 30 30 30 30 30 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: 083020021A TPH-DRO by 8015B w/Silica Gel	Sample number(s): 5508730 100		30-159	UNSPK: P508729		BKG: P508729 N.D.	N.D.	0 (1)	20
Batch number: 083020021B Total TPH	Sample number(s): 5508730 92		49-123	UNSPK: P508729		BKG: P508729 N.D.	N.D.	0 (1)	20
Batch number: B083101AA Methyl Tertiary Butyl Ether di-Isopropyl ether Ethyl t-butyl ether t-Amyl methyl ether t-Butyl alcohol Benzene	Sample number(s): 5508730 92 99 93 90 104 110		59-119 58-113 60-112 54-121 50-143 66-112	UNSPK: P508729					

*- 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: 12/01/08 at 03:37 PM

Group Number: 1116813

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 RPD</u> <u>Max</u>
1,2-Dichloroethane	113		62-130						
Toluene	108		58-116						
1,2-Dibromoethane	95		65-115						
Ethylbenzene	101		54-116						
Xylene (Total)	103		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 soil C10-C28 w/Si Gel
 Batch number: 083020021A
 Orthoterphenyl

5508730	105
Blank	114
DUP	105
LCS	116
MS	119

Limits: 59-129

 Analysis Name: TPH Fuels by GC (Soils)
 Batch number: 083020021B
 Chlorobenzene Orthoterphenyl

5508730	82	95
Blank	94	94
DUP	89	95
LCS	94	100
MS	95	103

Limits: 37-125 59-129

 Analysis Name: TPH-GRO N. CA soil C6-C12
 Batch number: 08302A34B
 Trifluorotoluene-F

5508730	70
Blank	82
LCS	90
LCSD	84

Limits: 61-122

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB
 Batch number: B083101AA
 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: 12/01/08 at 03:37 PM

Group Number: 1116813

Surrogate Quality Control

5508730	90	84	83	81
Blank	90	84	82	79
LCS	89	85	85	85
LCSD	88	84	85	86
MS	89	78	86	85
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.

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**



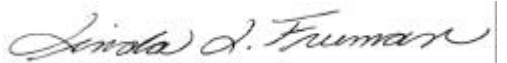
AN ENVIRONMENTAL ANALYTICAL LABORATORY

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: 
 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
Naphthalene	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
Naphthalene	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



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: 

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 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 <=/= 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



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
FAX: 510-420-9170
DATE RECEIVED: 03/12/2008
DATE COMPLETED: 03/17/2008
P.O. #
PROJECT # 307233
CONTACT: Kyle Vagadori

Table with 5 columns: FRACTION #, NAME, TEST, RECEIPT VAC./PRES., FINAL PRESSURE. Rows include various fractions (01A-09B) and their corresponding test results and pressures.

CERTIFIED BY: [Signature]
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 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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

11/24/2008

Ms. Charlotte Evans
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name:
Project #: 30-7233

Dear Ms. Charlotte Evans

The following report includes the data for the above referenced project for sample(s) received on 11/12/2008 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-3 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads 'Kyle Vagadori'.

Kyle Vagadori
Project Manager



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0811261B

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. #	312264
FAX:	510-420-9170	PROJECT #	30-7233
DATE RECEIVED:	11/12/2008	CONTACT:	Kyle Vagadori
DATE COMPLETED:	11/24/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VPI-5	Modified TO-3	5.0 "Hg	15 psi
02A	VPI-10	Modified TO-3	4.0 "Hg	15 psi
03A	VPI-10 Duplicate	Modified TO-3	4.5 "Hg	15 psi
03AA	VPI-10 Duplicate Lab Duplicate	Modified TO-3	4.5 "Hg	15 psi
04A	Lab Blank	Modified TO-3	NA	NA
05A	LCS	Modified TO-3	NA	NA

CERTIFIED BY: 

DATE: 11/24/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09

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# 0811261B

Three 1 Liter Summa Canister (100% Certified) samples were received on November 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 <=/= 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: VPI-5

Lab ID#: 0811261B-01A

No Detections Were Found.

Client Sample ID: VPI-10

Lab ID#: 0811261B-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	58	64	240	260

Client Sample ID: VPI-10 Duplicate

Lab ID#: 0811261B-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	60	66	240	270

Client Sample ID: VPI-10 Duplicate Lab Duplicate

Lab ID#: 0811261B-03AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	60	66	240	270



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-5

Lab ID#: 0811261B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d111507	Date of Collection:	11/7/08
Dil. Factor:	2.42	Date of Analysis:	11/15/08 01:50 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: VPI-10

Lab ID#: 0811261B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d111508	Date of Collection:	11/7/08
Dil. Factor:	2.33	Date of Analysis:	11/15/08 02:33 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	58	64	240	260

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	91	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-10 Duplicate

Lab ID#: 0811261B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d111509	Date of Collection:	11/7/08	
Dil. Factor:	2.38	Date of Analysis:	11/15/08 03:14 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	60	66	240	270

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	90	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-10 Duplicate Lab Duplicate

Lab ID#: 0811261B-03AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d111510	Date of Collection:	11/7/08
Dil. Factor:	2.38	Date of Analysis:	11/15/08 03:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	60	66	240	270

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	86	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0811261B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d111502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/15/08 10:04 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)	83	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0811261B-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d111511	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/15/08 04:31 PM

Compound	%Recovery
TPH (Gasoline Range)	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	102	75-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

11/25/2008

Ms. Charlotte Evans
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name:
Project #: 30-7233

Dear Ms. Charlotte Evans

The following report includes the data for the above referenced project for sample(s) received on 11/12/2008 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads 'Kyle Vagadori'.

Kyle Vagadori
Project Manager




AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0811261C

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. #	312264
FAX:	510-420-9170	PROJECT #	30-7233
DATE RECEIVED:	11/12/2008	CONTACT:	Kyle Vagadori
DATE COMPLETED:	11/25/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VPI-5	Modified ASTM D-1946	5.0 "Hg	15 psi
01AA	VPI-5 Lab Duplicate	Modified ASTM D-1946	5.0 "Hg	15 psi
02A	VPI-10	Modified ASTM D-1946	4.0 "Hg	15 psi
03A	VPI-10 Duplicate	Modified ASTM D-1946	4.5 "Hg	15 psi
04A	Lab Blank	Modified ASTM D-1946	NA	NA
04B	Lab Blank	Modified ASTM D-1946	NA	NA
05A	LCS	Modified ASTM D-1946	NA	NA

CERTIFIED BY: 

DATE: 11/25/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09

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# 0811261C

Three 1 Liter Summa Canister (100% Certified) samples were received on November 12, 2008. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or 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.

Since Nitrogen is used to pressurize samples, the reported Nitrogen values are calculated by adding all the sample components and subtracting from 100%.

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: VPI-5

Lab ID#: 0811261C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Nitrogen	0.24	78
Carbon Dioxide	0.024	2.5

Client Sample ID: VPI-5 Lab Duplicate

Lab ID#: 0811261C-01AA

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Nitrogen	0.24	78
Carbon Dioxide	0.024	2.5

Client Sample ID: VPI-10

Lab ID#: 0811261C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	19
Nitrogen	0.23	79
Carbon Dioxide	0.023	2.1

Client Sample ID: VPI-10 Duplicate

Lab ID#: 0811261C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Nitrogen	0.24	79
Carbon Dioxide	0.024	2.1



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-5

Lab ID#: 0811261C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9111424	Date of Collection:	11/7/08
Dil. Factor:	2.42	Date of Analysis:	11/14/08 06:08 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Nitrogen	0.24	78
Carbon Dioxide	0.024	2.5
Methane	0.00024	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-5 Lab Duplicate

Lab ID#: 0811261C-01AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9111425	Date of Collection:	11/7/08
Dil. Factor:	2.42	Date of Analysis:	11/14/08 06:46 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Nitrogen	0.24	78
Carbon Dioxide	0.024	2.5
Methane	0.00024	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-10

Lab ID#: 0811261C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9111426	Date of Collection:	11/7/08
Dil. Factor:	2.33	Date of Analysis:	11/14/08 07:11 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	19
Nitrogen	0.23	79
Carbon Dioxide	0.023	2.1
Methane	0.00023	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-10 Duplicate

Lab ID#: 0811261C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9111427	Date of Collection:	11/7/08
Dil. Factor:	2.38	Date of Analysis:	11/14/08 08:11 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Nitrogen	0.24	79
Carbon Dioxide	0.024	2.1
Methane	0.00024	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0811261C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9111404	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	11/14/08 09:18 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	Not Detected
Carbon Dioxide	0.010	Not Detected
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0811261C-04B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9111403b	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/14/08 08:48 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0811261C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9111428	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/14/08 08:57 PM

Compound	%Recovery
Oxygen	100
Nitrogen	100
Carbon Dioxide	100
Methane	101
Helium	104

Container Type: NA - Not Applicable



AN ENVIRONMENTAL ANALYTICAL LABORATORY

11/25/2008

Ms. Charlotte Evans
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name:
Project #: 30-7233

Dear Ms. Charlotte Evans

The following report includes the data for the above referenced project for sample(s) received on 11/12/2008 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads 'Kyle Vagadori'.

Kyle Vagadori
Project Manager



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 cevans@crawford.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
	<input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>Blvr</u> <small>specify</small>	Pressurized by: Date: Pressurization Gas: N ₂ He
P.O. # _____		
Project # <u>301233</u>		
Project Name <u>301233</u>		

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	24293	03/10/08	12:26	For all:	-29.5	-5		
02A	VP1-10	34141	03/10/08	12:55	TPH by TO-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	3395	03/10/08	15:20	by TO-15	-29	-5		
07A	VP3-10	35641	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>[Signature]</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>na</u>	Condition <u>Good</u>	Custody Seals Intact? Yes No <u>None</u>	Work Order # <u>0803250</u>
--------------	---------------------------	------------------	----------------------	-----------------------	--	-----------------------------



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. Hot line (800) 437-4922

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 ce@craneworld.com
 Address 5400 HOLLYS ST. SUITE A City EMERYVILLE State CA Zip 94608
 Phone 510-420-3351 Fax 510-420-9170

Project Info:
 P.O. # 312264
 Project # 30-7233
 Project Name 30-7233

Turn Around Time:
 Normal
 Rush
specify

Lab Use Only
 Pressurized by:
 Date:
 Pressurization Gas:
 N₂ 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)
O1A	VPI-5	1479	11/7/08	1431	FOR ALL:	-30	-5		
O2A	VPI-10	36505	11/7/08	1507	TPH _g by TO-3 (C ₅ -C ₁₀)	-30	-5		
O3A	VPI-10 Duplicate	30820	11/7/08	1507	FULL SCAN TO-15 O ₂ , CO ₂ , CH ₄ , Nitrogen and Helium by ASTM D-1946	-30	-5		

Relinquished by: (signature) CE Date/Time 11/10/08 10:30
 Received by: (signature) Monica Groben Date/Time ATL 11/10/08 9:05
 Notes: ATL 11/10/08 9:05

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 Fed Ex Air Bill # _____ Temp (°C) NA Condition Good Custody Seals Intact? Yes No None Work Order # 0811261



38098

#1 of 1

Subcontractor: PTS Labs LLI P.O. #: _____ Date: 2-8-08
 Contact: _____ Results due: 7 @ 4:30 PM
 Submit report to: Holly Julian Ext: 1249 Dept. #: _____ Courier: FedEx

Sample Identification:	Number/size of containers (total)	Analyses							Remarks:
		Bulk Analysis	TOC Analysis	TPC Content	TPC Residual	Eff. Residual	TPC Residual	TPC Residual	
<input checked="" type="checkbox"/> VPI-S-8-080201		X	X	X	X	X	X	X	Collected 5272263 2/1 1000

Fee: _____

Chain of Custody				
Sample relinquished by:	Date	Time	Sample received by:	Reason for transfer:
<u>Holly Julian</u>	<u>2-7-08</u>	<u>1540</u>	<u>APR PTS</u>	<u>2-8-08 1007</u>



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

Project Manager Charlotte Evans
 Collected by: (Print and Sign) Charlotte Evans
 Company CRA Email cevans@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
	<input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>4 hr</u> <small>specify</small>	Pressurized by: Date: Pressurization Gas: N ₂ He
P.O. # _____		
Project # <u>307233</u>		
Project Name <u>307233</u>		

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 by TO-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, ETBE,	-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 TO-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>



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. Hot line (800) 437-4922

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 ce@craneworld.com
 Address 5400 HOLLYS ST. SUITE A City EMERYVILLE State CA Zip 94608
 Phone 510-420-3351 Fax 510-420-9170

Project Info:
 P.O. # 312264
 Project # 30-7233
 Project Name 30-7233

Turn Around Time:
 Normal
 Rush
specify

Lab Use Only
 Pressurized by:
 Date:
 Pressurization Gas:
 N₂ 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)
O1A	VPI-5	1479	11/7/08	1431	FOR ALL:	-30	-5		
O2A	VPI-10	36505	11/7/08	1507	TPH _g by TO-3 (C ₅ -C ₁₀)	-30	-5		
O3A	VPI-10 Duplicate	30820	11/7/08	1507	FULL SCAN TO-15 O ₂ , CO ₂ , CH ₄ , Nitrogen and Helium by ASTM D-1946	-30	-5		

Relinquished by: (signature) CE Date/Time 11/10/08 10:30
 Received by: (signature) Monica Groben Date/Time ATL 11/10/08 9:05
 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 Fed Ex Air Bill # _____ Temp (°C) NA Condition Good Custody Seals Intact? Yes No None Work Order # 0811261



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 cevansecraworld.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
	<input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>Blvr</u> <small>specify</small>	Pressurized by: Date: Pressurization Gas: N ₂ He
P.O. # _____		
Project # <u>301233</u>		
Project Name <u>301233</u>		

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	24293	03/10/08	12:26	For all:	-29.5	-5		
02A	VP1-10	34141	03/10/08	12:55	TPH by TO-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	3395	03/10/08	15:20	by TO-15	-29	-5		
07A	VP3-10	35691	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>na</u>	Condition <u>Good</u>	Custody Seals Intact? Yes No <u>None</u>	Work Order # <u>0803250</u>
--------------	---------------------------	------------------	----------------------	-----------------------	--	-----------------------------



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. Hot line (800) 437-4922

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 ce@craneworld.com
 Address 5400 HOLLYS ST. SUITE A City EMERYVILLE State CA Zip 94608
 Phone 510-420-3351 Fax 510-420-9170

Project Info:
 P.O. # 312264
 Project # 30-7233
 Project Name 30-7233

Turn Around Time:
 Normal
 Rush
specify

Lab Use Only
 Pressurized by:
 Date:
 Pressurization Gas:
 N₂ 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)
O1A	VPI-5	1479	11/7/08	1431	FOR ALL:	-30	-5		
O2A	VPI-10	36505	11/7/08	1507	TPH _g by TO-3 (C ₅ -C ₁₀)	-30	-5		
O3A	VPI-10 Duplicate	30820	11/7/08	1507	FULL SCAN TO-15 O ₂ , CO ₂ , CH ₄ , Nitrogen and Helium by ASTM D-1946	-30	-5		

Relinquished by: (signature) CE Date/Time 11/10/08 10:30
 Received by: (signature) Monica Groben Date/Time ATL 11/10/08 9:05
 Notes: ATL 11/10/08 9:05

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 Fed Ex Air Bill # _____ Temp (°C) NA Condition Good Custody Seals Intact? Yes No None Work Order # 0811261



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0811261A

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. #	312264
FAX:	510-420-9170	PROJECT #	30-7233
DATE RECEIVED:	11/12/2008	CONTACT:	Kyle Vagadori
DATE COMPLETED:	11/24/2008		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	VPI-5	Modified TO-15	5.0 "Hg	15 psi
02A	VPI-10	Modified TO-15	4.0 "Hg	15 psi
03A	VPI-10 Duplicate	Modified TO-15	4.5 "Hg	15 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: 

DATE: 11/25/08

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09

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# 0811261A

Three 1 Liter Summa Canister (100% Certified) samples were received on November 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; Compounds exceeding this criterion and associated data are flagged and narrated.
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: VPI-5

Lab ID#: 0811261A-01A

No Detections Were Found.

Client Sample ID: VPI-10

Lab ID#: 0811261A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chloroethane	1.2	3.4	3.1	8.9
m,p-Xylene	1.2	1.5	5.0	6.5
Acetone	4.7	12	11	29
Carbon Disulfide	1.2	4.4	3.6	14
2-Butanone (Methyl Ethyl Ketone)	1.2	2.9	3.4	8.5
Ethanol	4.7	8.0	8.8	15

Client Sample ID: VPI-10 Duplicate

Lab ID#: 0811261A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Butanone (Methyl Ethyl Ketone)	1.2	11	3.5	33
Tetrahydrofuran	1.2	5.2	3.5	15



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-5

Lab ID#: 0811261A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112121	Date of Collection: 11/7/08
Dil. Factor:	2.42	Date of Analysis: 11/22/08 12:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
Bromomethane	1.2	Not Detected	4.7	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Freon 113	1.2	Not Detected	9.3	Not Detected
Methylene Chloride	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	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
Styrene	1.2	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-5

Lab ID#: 0811261A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112121	Date of Collection:	11/7/08
Dil. Factor:	2.42	Date of Analysis:	11/22/08 12:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.2	Not Detected	5.0	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
Chloromethane	4.8	Not Detected	10	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected
Acetone	4.8	Not Detected	11	Not Detected
Carbon Disulfide	1.2	Not Detected	3.8	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	Not Detected	3.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
Ethanol	4.8	Not Detected	9.1	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
tert-Butyl alcohol	4.8	Not Detected	15	Not Detected
Ethyl-tert-butyl ether	4.8	Not Detected	20	Not Detected
Isopropyl ether	4.8	Not Detected	20	Not Detected
tert-Amyl methyl ether	4.8	Not Detected	20	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-10

Lab ID#: 0811261A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112116	Date of Collection:	11/7/08
Dil. Factor:	2.33	Date of Analysis:	11/21/08 08:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.1	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
Bromomethane	1.2	Not Detected	4.5	Not Detected
Chloroethane	1.2	3.4	3.1	8.9
Freon 11	1.2	Not Detected	6.5	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Freon 113	1.2	Not Detected	8.9	Not Detected
Methylene Chloride	1.2	Not Detected	4.0	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	Not Detected	7.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.0	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	1.5	5.0	6.5
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Hexane	1.2	Not Detected	4.1	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-10

Lab ID#: 0811261A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112116	Date of Collection:	11/7/08
Dil. Factor:	2.33	Date of Analysis:	11/21/08 08:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.2	Not Detected	4.8	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
Chloromethane	4.7	Not Detected	9.6	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	34	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected
Acetone	4.7	12	11	29
Carbon Disulfide	1.2	4.4	3.6	14
2-Propanol	4.7	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	2.9	3.4	8.5
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
2-Hexanone	4.7	Not Detected	19	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.7	Not Detected
Ethanol	4.7	8.0	8.8	15
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
tert-Butyl alcohol	4.7	Not Detected	14	Not Detected
Ethyl-tert-butyl ether	4.7	Not Detected	19	Not Detected
Isopropyl ether	4.7	Not Detected	19	Not Detected
tert-Amyl methyl ether	4.7	Not Detected	19	Not Detected
3-Chloropropene	4.7	Not Detected	14	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.4	Not Detected
Naphthalene	4.7	Not Detected	24	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-10 Duplicate

Lab ID#: 0811261A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112117	Date of Collection:	11/7/08
Dil. Factor:	2.38	Date of Analysis:	11/21/08 09:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	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
Styrene	1.2	Not Detected	5.1	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VPI-10 Duplicate

Lab ID#: 0811261A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112117	Date of Collection:	11/7/08
Dil. Factor:	2.38	Date of Analysis:	11/21/08 09:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.2	Not Detected	4.9	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
Chloromethane	4.8	Not Detected	9.8	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected
Acetone	4.8	Not Detected	11	Not Detected
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	11	3.5	33
Tetrahydrofuran	1.2	5.2	3.5	15
1,4-Dioxane	4.8	Not Detected	17	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
2-Hexanone	4.8	Not Detected	19	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
tert-Butyl alcohol	4.8	Not Detected	14	Not Detected
Ethyl-tert-butyl ether	4.8	Not Detected	20	Not Detected
Isopropyl ether	4.8	Not Detected	20	Not Detected
tert-Amyl methyl ether	4.8	Not Detected	20	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	95	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0811261A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112105a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/21/08 10:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	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
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0811261A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112105a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/21/08 10:51 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
tert-Butyl alcohol	2.0	Not Detected	6.1	Not Detected
Ethyl-tert-butyl ether	2.0	Not Detected	8.4	Not Detected
Isopropyl ether	2.0	Not Detected	8.4	Not Detected
tert-Amyl methyl ether	2.0	Not Detected	8.4	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	96	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0811261A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112102	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/21/08 08:47 AM

Compound	%Recovery
Freon 12	110
Freon 114	106
Vinyl Chloride	105
Bromomethane	116
Chloroethane	121
Freon 11	112
1,1-Dichloroethene	105
Freon 113	100
Methylene Chloride	114
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	104
Chloroform	94
1,1,1-Trichloroethane	101
Carbon Tetrachloride	104
Benzene	94
1,2-Dichloroethane	107
Trichloroethene	103
1,2-Dichloropropane	106
cis-1,3-Dichloropropene	104
Toluene	103
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	102
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	97
Chlorobenzene	103
Ethyl Benzene	103
m,p-Xylene	104
o-Xylene	103
Styrene	94
1,1,2,2-Tetrachloroethane	105
1,3,5-Trimethylbenzene	92
1,2,4-Trimethylbenzene	95
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	105
1,2-Dichlorobenzene	94
1,3-Butadiene	98
Hexane	106
Cyclohexane	100



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0811261A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112102	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/21/08 08:47 AM

Compound	%Recovery
Heptane	103
Bromodichloromethane	106
Dibromochloromethane	105
Cumene	98
Propylbenzene	110
Chloromethane	112
1,2,4-Trichlorobenzene	94
Hexachlorobutadiene	92
Acetone	103
Carbon Disulfide	103
2-Propanol	104
trans-1,2-Dichloroethene	100
2-Butanone (Methyl Ethyl Ketone)	98
Tetrahydrofuran	109
1,4-Dioxane	96
4-Methyl-2-pentanone	104
2-Hexanone	101
Bromoform	107
4-Ethyltoluene	108
Ethanol	102
Methyl tert-butyl ether	114
tert-Butyl alcohol	101
Ethyl-tert-butyl ether	119
Isopropyl ether	119
tert-Amyl methyl ether	113
3-Chloropropene	100
2,2,4-Trimethylpentane	104
Naphthalene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	97	70-130



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0811261A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/21/08 09:28 AM

Compound	%Recovery
Freon 12	84
Freon 114	84
Vinyl Chloride	83
Bromomethane	90
Chloroethane	94
Freon 11	91
1,1-Dichloroethene	100
Freon 113	92
Methylene Chloride	106
1,1-Dichloroethane	91
cis-1,2-Dichloroethene	91
Chloroform	81
1,1,1-Trichloroethane	83
Carbon Tetrachloride	84
Benzene	83
1,2-Dichloroethane	96
Trichloroethene	97
1,2-Dichloropropane	91
cis-1,3-Dichloropropene	90
Toluene	93
trans-1,3-Dichloropropene	92
1,1,2-Trichloroethane	89
Tetrachloroethene	92
1,2-Dibromoethane (EDB)	84
Chlorobenzene	90
Ethyl Benzene	89
m,p-Xylene	89
o-Xylene	90
Styrene	82
1,1,2,2-Tetrachloroethane	86
1,3,5-Trimethylbenzene	80
1,2,4-Trimethylbenzene	82
1,3-Dichlorobenzene	86
1,4-Dichlorobenzene	85
alpha-Chlorotoluene	92
1,2-Dichlorobenzene	82
1,3-Butadiene	80
Hexane	85
Cyclohexane	81



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0811261A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5112103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/21/08 09:28 AM

Compound	%Recovery
Heptane	90
Bromodichloromethane	93
Dibromochloromethane	93
Cumene	88
Propylbenzene	97
Chloromethane	87
1,2,4-Trichlorobenzene	87
Hexachlorobutadiene	80
Acetone	90
Carbon Disulfide	88
2-Propanol	91
trans-1,2-Dichloroethene	88
2-Butanone (Methyl Ethyl Ketone)	84
Tetrahydrofuran	89
1,4-Dioxane	82
4-Methyl-2-pentanone	90
2-Hexanone	88
Bromoform	95
4-Ethyltoluene	94
Ethanol	81
Methyl tert-butyl ether	89
tert-Butyl alcohol	64
Ethyl-tert-butyl ether	Not Spiked
Isopropyl ether	Not Spiked
tert-Amyl methyl ether	Not Spiked
3-Chloropropene	88
2,2,4-Trimethylpentane	85
Naphthalene	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	97	70-130



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: 
 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
Naphthalene	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
Naphthalene	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



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: 

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 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 <=/= 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



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
FAX: 510-420-9170
DATE RECEIVED: 03/12/2008
DATE COMPLETED: 03/17/2008
P.O. #
PROJECT # 307233
CONTACT: Kyle Vagadori

Table with 5 columns: FRACTION #, NAME, TEST, RECEIPT VAC./PRES., FINAL PRESSURE. Rows include various fractions (01A-09B) and their corresponding test results and pressures.

CERTIFIED BY: [Signature]
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 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