CAMBRIA

Ro 38

December 17, 2003

Mr. Barney Chan
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Confirmation Soil Boring Investigation**
Former Chevron Service Station # 9-4587
609 Oak Street
Oakland, California
Cambria Project # 31D-2108

Mr. Chan:

Cambria Environmental Technology, Inc. (Cambria) is submitting the results of confirmation soil borings performed at the site referenced above site on behalf of Chevron Products Company (Chevron). The borings and sampling, directed by the Alameda County Environmental Health Services (ACEHS), were conducted in accordance with our workplan, dated October 8, and finalized in a telephone conversation of October 23. Summarized below are the site background, sampling activities, and laboratory analytic results.

SITE BACKGROUND

The site is a former Chevron service station located at 609 Oak Street in Oakland, California (Figure 1). The station ceased operations in 1994 and the site has been vacant since that time. To date, 10 monitoring wells, 12 remediation wells and numerous borings have been drilled at the site (Figure 2). Historically, up to 1.06 feet of non-aqueous phase liquid (NAPL) had been measured in wells C-1, CR-1, C-A, C-B and C-C. The site was aggressively remediated by TerraVac using multi-phase extraction and air sparging to the point that no hydrocarbons were detected in groundwater at the time that the remediation system was shutdown in May 1997. Hydrocarbon concentrations since that time have remained near or below laboratory detection limits. An area where one soil sample contained a benzene concentration of 15 ppm, which is greater than the residential screening level of 0.18 ppm, was excavated near the southern dispenser island in January 2003 to further reduce benzene concentrations in soil. This was conducted under the direction of ACEHS.

In an August 25, 2003 letter, Delta Environmental Consultants (Delta) submitted data requested by the ACEHS to support case closure. In their letter, Delta calculated that the 95% upper confidence level (UCL) concentration of benzene remaining in soil was 0.1 mg/kg for soils shallower than 10 ft (the typical low groundwater table depth for the area). The benzene environmental screening level (ESL)

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for residential exposure to soil is 0.18 mg/kg for sites where groundwater is not a source of drinking water. Therefore, the 95% UCL benzene concentration calculated by Delta is below the ESL. The commercial ESL for benzene is 0.38 to 0.5 mg/kg, depending on soil depth. This benzene ESL is, therefore, well above the UCL benzene concentration calculated by Delta. The ESLs were calculated assuming a potential exposure pathway of hydrocarbons volatilizing from soil to indoor air. Based on the absence of hydrocarbons in groundwater, it was determined that there was no pathway for hydrocarbons leaching from soil to groundwater and volatilizing into indoor air.

In a letter dated September 4, 2003, the ACEHS requested that confirmation borings and sampling be performed in order to further confirm that site conditions are below ESLs. On October 8, 2003, Cambria submitted a workplan to the ACEHS, outlining the proposed confirmation boring activities. In an October 23, 2003 telephone conversation between ChevronTexaco, Cambria and the ACEHS, it was agreed that a total of four confirmation borings would be advanced on the site, with soil samples collected at depths of 3, 6 and 10 feet. The only exception to this was to be one boring near DVSP-5, where soil samples would be collected at 3, 6 and 11 feet. In addition, grab groundwater samples were to be collected from all four sample locations. Soil and groundwater samples would be analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015, and benzene, toluene, ethyl benzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) by EPA Method 8260B.

SOIL AND GROUNDWATER SAMPLING ACTIVITIES

Soil and Groundwater Sampling: On November 12, 2003, Cambria collected three soil samples each, from Geoprobe borings B2, B3 and B4 at 3, 6 and 10 feet below grade (fbg). Three samples, collected at depths of 3, 6 and 11 fbg, were collected from boring B1. These borings were advanced and samples collected using a direct push sampler lined with a polyurethane sleeve. Each boring was extended to a depth of 16 fbg. Groundwater was encountered between 7.5 and 10 fbg. Grab groundwater samples were collected using clean, disposable, plastic bailers and samples were poured into glass containers preserved with hydrochloric acid. All soil and groundwater samples were labeled and placed on ice. Boring locations are shown on Figure 3. Cambria's *Standard Procedures for Geoprobe Sampling* is presented as Attachment A.

Soil and Groundwater Sampling Chemical Analyses: All soil and groundwater samples collected were sent by Cambria to Lancaster Laboratories in Richmond, California for chemical analysis. The samples were analyzed for TPHg by EPA Method 8015M, and BTEX and MTBE by EPA Method 8260B. Laboratory analytic data for soil and groundwater samples are summarized in Tables 1 and 2. Laboratory analytic reports and chain of custody records are presented as Attachment B.

FINDINGS

Analytic Results: No BTEX or MTBE were detected in any of the soil samples analyzed. TPHg was detected only in the 10 fbg sample from B2 at a concentration of 9.2 mg/kg. No TPHg, BTEX or MTBE were detected in groundwater samples, with the exception of B4. The groundwater sample collected from B4 contained 27 ug/l of MTBE. Laboratory analytic data for soil is summarized in Table 1. Laboratory analytic data for groundwater is summarized in Table 2. Laboratory analytic reports and chain of custody records are presented as Attachment B.

CLOSING

Based on the non-detect soil samples and only one low MTBE concentration detected in groundwater, Cambria recommends this case be closed and a closure letter be issued by the ACEHS for the subject site. Please contact Robert Foss at (510) 420-3348 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Melissa Terry
Staff Scientist

Robert Foss, R.G.
Senior Project Geologist

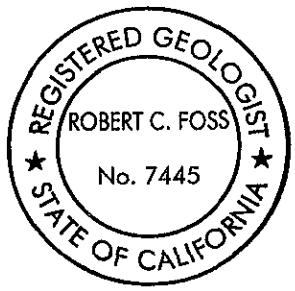


Figure: 1 - Vicinity Map
2 - Site Plan w/ Soil Boring/Well Locations
3 - Geoprobe Boring Locations

Tables: 1 - Soil Analytic Data
2 - Groundwater Analytic Data

Attachments: A - Standard Procedures for Geoprobe Sampling
B - Laboratory Analytic Reports for Soil and Groundwater Samples

cc: Ms. Karen Streich, ChevronTexaco Environmental Management Company, 6001 Bollinger Canyon Road, San Ramon, California 94583
Mr. Dewey Bargiacchi, The Paris Company, 8520 Pardee, Oakland, CA 94621
Ms. Victoria Debenedetti, 8520 Pardee, Oakland, CA 94621
Mr. Aldo Guidotti, 1 Bates Blvd, Orinda, CA 94563
Mr. James M. Kimberlin, 1100 Howe Avenue, Apt. #421, Sacramento, CA 95825
Mr. William Kimberlin, 51 Eureka Street, Kensington, CA 94707

10/01/09

I:\9-4587 OAKLAND\FIGURES\VICINITY-MAP.AI

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE 1

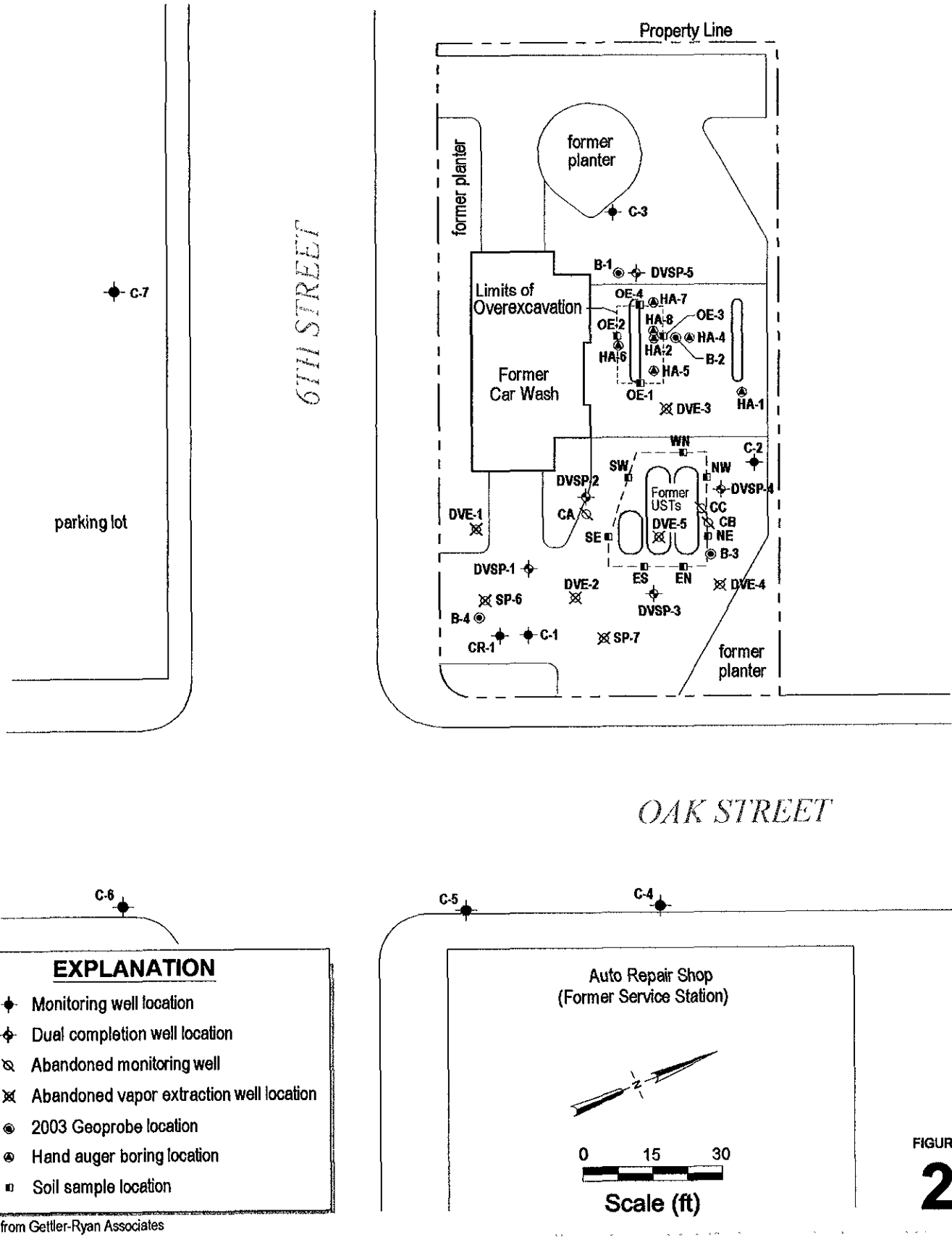
Former Chevron Station 9-4587

609 Oak Street

Oakland, California

CAMBRIA

Vicinity Map



EXPLANATION

MW-1	Monitoring well location
DVSP-1	Dual completion well location
CA	Abandoned monitoring well
DVE-2	Abandoned vapor extraction well location
B-1	2003 Geoprobe location
HA-4	Hand auger boring location
OE-3	Soil sample location

Basemap from Gettler-Ryan Associates

FIGURE
2

Former Chevron Station 9-4587

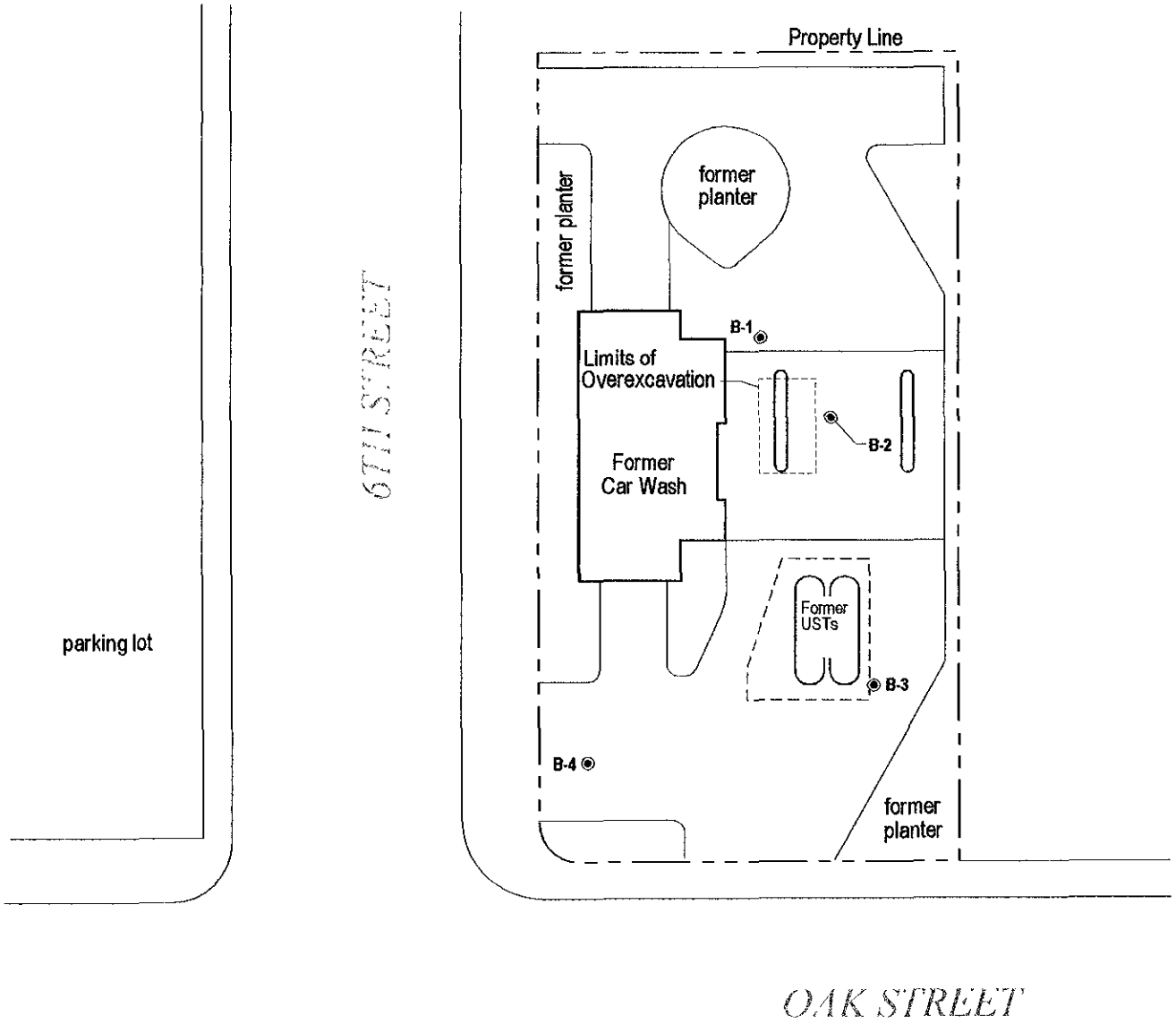
609 Oak Street

Oakland, California

CAMBRIA

Soil Boring and Groundwater Sample Locations

I:\9-4587 OAKLAND\FIGURES\SITEPLAN.DWG



EXPLANATION

B-4 ◉ Geoprobe boring location

Basemap from Gettler-Ryan Associates

FIGURE

3

Former Chevron Station 9-4587

609 Oak Street

Oakland, California

CAMBRIA

Geoprobe Boring Locations

I:\9-4587 OAKLAND\FIGURES\SOR-LOC.DWG

Table 1. Analytic Results for Soil Samples - Chevron Station 9-4587, 609 Oak Street, Oakland, CA

Sample ID	Sample Depth (ft)	Sample Date	TPHg	B	T	E	X	MTBE
			Concentrations reported in milligrams per kilogram mg/kg = parts per million					
B1	3	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B1	6	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B1	11	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B2	3	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B2	6	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B2	10	11/12/2003	**9.4**	<0.001	<0.001	<0.001	<0.001	<0.001
B3	3	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B3	6	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B3	10	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B4	3	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B4	6	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001
B4	10	11/12/2003	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M
Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B
Methyl tertiary butyl ether (MTBE) by EPA Method 8260B
<x = Not detected above method detection limit

Table 2. Analytic Results for Groundwater Samples - Chevron Station 9-4587, 609 Oak Street, Oakland, CA

Sample ID	Sample Date	TPHg	B	T	E	X	MTBE
		Concentrations reported in micrograms per liter µg/kg = parts per billion					
B1	11/12/2003	<50.0	<0.5	<0.5	<0.5	<0.5	<0 5
B2	11/12/2003	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
B3	11/12/2003	<50.0	<0.5	<0.5	<0.5	<0.5	<0.5
B4	11/13/2003	<50.0	<0.5	<0.5	<0.5	<0.5	**27**

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M
Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B
Methyl tertiary butyl ether (MTBE) by EPA Method 8260B
<x = Not detected above method detection limit

ATTACHMENT A

Standard Procedures for Geoprobe Sampling

CAMBRIA

STANDARD FIELD PROCEDURES FOR GEOPROBE® SAMPLING

This document describes Cambria Environmental Technology's standard field methods for GeoProbe® soil and ground water sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

ATTACHMENT B

Laboratory Analytic Reports For Soil and Groundwater Samples

Lancaster Laboratories

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 874994. Samples arrived at the laboratory on Friday, November 14, 2003. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
B1-S-3-031112	NA	Soil	4165223
B1-S-6-031112	NA	Soil	4165224
B1-S-11-031112	NA	Soil	4165225
B2-S-3-031112	NA	Soil	4165226
B2-S-6-031112	NA	Soil	4165227
B2-S-10-031112	NA	Soil	4165228
B3-S-3-031112	NA	Soil	4165229
B3-S-6-031112	NA	Soil	4165230
B3-S-10-031112	NA	Soil	4165231
B4-S-3-031112	NA	Soil	4165232
B4-S-6-031112	NA	Soil	4165233
B4-S-10-031112	NA	Soil	4165234

1 COPY TO Cambria Environmental Attn: Bob Foss

Lancaster Laboratories
2425 New Holland

Explanation of Symbols and Abbreviations

The following ... abbreviations used in report ...

N.D.		BMQL	
TNTC		MPN	
IU		CP Units	
umhos/cm		NTU	
C		F	
meq		lb	
g		kg	
ug		mg	
ml		l	
m3		ul	

< ... following the sign is the limit of quantitation ... which can be ... specific test.

> ...

J ... falls within the Method Detection ... Quantitation (LOQ).

ppm ... equivalent to one milligram per kilogram, ... million grams. For ... usually taken to be equivalent to milligrams ... liter of water has a ... milligram. For gases or vapors, one ppm is ... gas per liter of gas.

ppb ...

Dry weight basis ... heading have been adjusted for moisture ... the analyte weight ... approximate the value present in a similar sample ... that results are reported ...

U.S. EPA CLP Data Qualifiers

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

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

Measurement uncertainty ... values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in ... 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 for 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.

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Lancaster Laboratories

Questions? Contact your Client Services Representative
Alison M O'Connor at (717) 656-2300.

Respectfully Submitted,

Michele M. Turner
Manager

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland [illegible]

Explanation of Symbols and Abbreviations

The following [illegible] abbreviations used in [illegible]

N.D.	[illegible]	BMQL	[illegible] level
TNTC	[illegible]	MPN	Most Probable Number
IU	[illegible]	CP Units	[illegible]
umhos/cm	[illegible]	NTU	[illegible]
C	degrees [illegible]	F	degrees [illegible]
meq	[illegible]	lb.	[illegible]
g	gram	kg	[illegible]
ug	[illegible]	mg	milligram
ml	[illegible]	l	liter(s)
m3	[illegible]	ul	[illegible]

< [illegible] number following the sign is the limit of quantitation, [illegible] of analyte which can be [illegible] specific test.

> greater [illegible]

J [illegible] within the Method Detection [illegible] (LOQ).

ppm parts [illegible] ppm is equivalent to one milligram per [illegible] per million grams. For aqueous [illegible] usually taken to be equivalent to milligrams [illegible] liter of water has a weight [illegible] kilogram. For gases or vapors, one ppm is equivalent to [illegible] of gas per liter of gas.

ppb parts [illegible]

Dry weight basis Results [illegible] heading have been adjusted for moisture [illegible] the analyte weight concentration [illegible] approximate the value present in a similar sample [illegible] results are reported on a [illegible] basis.

U.S. EPA CLP Data [illegible]

[illegible] Qualifiers		Inorganic [illegible]	
A	TIC [illegible] condensation product	B	[illegible]
B	Analyte [illegible] in the blank	E	Estimated [illegible]
C	Pesticide [illegible] confirmed by GC/MS	M	Duplicate injection [illegible] not met
D	Compound [illegible] on a diluted sample	N	Spike [illegible] control limits
E	Concentration exceeds the calibration range of the [illegible]	S	Method of standard [illegible] (MSA) used for calculation
N	[illegible] of a compound (TICs only)	U	[illegible]
P	Con[illegible] difference between primary and confirmation columns >25%	W	Post digestion spike [illegible] control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined [illegible] narrative	+	Correlation coefficient for MSA <0.995

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

Measurement uncertainty [illegible] as applicable, are available upon request.

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

WARRANTY AND LIMITS [illegible] - In accepting analytical work, we warrant the accuracy of [illegible] 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 A[illegible] OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE [illegible] WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING [illegible] 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.

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165223

B1-S-3-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B1
Collected:11/12/2003 11:50 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1--3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 00:33	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 11:14	Roy R Mellott Jr	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/18/2003 09:52	Roy R Mellott Jr	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:00	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA 17601

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
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ).

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. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

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

Measurement uncertainty values, as applicable, are available upon request.

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Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165224

B1-S-6-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B1
Collected:11/12/2003 12:00 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1--6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 01:10	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 11:40	Roy R Mellott Jr	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/18/2003 09:56	Roy R Mellott Jr	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:01	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland Pike

Explanation of Symbols and Abbreviations

The following ca[illegible] used in report[illegible]

N.D.	[illegible]	BMQC	[illegible]
TNTC	[illegible]	MPN	[illegible]
CFU	[illegible]	CP Units	[illegible]
umhos/cm	[illegible]	NTU	[illegible]
C	[illegible]	F	[illegible]
meq	[illegible]	lb	[illegible]
g	[illegible]	kg	[illegible]
ug	[illegible]	mg	[illegible]
ml	[illegible]	l	[illegible]
m3	[illegible]	ul	[illegible]

< [illegible] following the sign is the limit of quantitation [illegible] amount of analyte which can be [illegible] using this specific test.

> [illegible]

J [illegible] result falls within the Method Detection [illegible] Quantitation (LOQ).

ppm [illegible] These ppm's are equivalent to one milligram per kilogram [illegible] parts per million grams. For [illegible] quality taken to be equivalent to milligrams [illegible] one liter of water has a [illegible] milligrams. For gases or vapors, one ppm [illegible] parts of gas per liter of gas.

ppb [illegible]

Dry weight basis [illegible] headings have been adjusted for moisture [illegible] values are analyte weight [illegible] made the value present in a similar sample [illegible] their results are reported [illegible]

U.S. EPA CLP Data [illegible]

Organic Qualifiers		Inorganic Qualifiers	
A	[illegible] condensation product	B	[illegible]
B	[illegible] detected in the blank	E	[illegible]
C	Pesticide [illegible] confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound identified in analysis of a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard addition (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	W	Post digestion spike out of control limits
		*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA <0.995
X,Y,Z	Defined in case narrative		

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

Measurement uncertainty values, as applicable, are available upon request.

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Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165225

B1-S-11-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B1
Collected:11/12/2003 12:10 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 01:47	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 12:06	Roy R Mellott Jr	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/18/2003 10:04	Roy R Mellott Jr	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:02	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland Pike [illegible]

Explanation of Symbols and Abbreviations

The following [illegible] used in reports [illegible]

N.D.	[illegible]	**BMQL**	[illegible] level
TNTC	[illegible]	**MPN**	[illegible]
IU	[illegible]	**CP Units**	[illegible]
umhos/cm	[illegible]	**NTU**	[illegible]
C	[illegible]	**F**	[illegible]
meq	[illegible]	**lb.**	[illegible]
g	[illegible]	**kg**	kilograms
ug	[illegible]	**mg**	milligrams
ml	[illegible]	**l**	liter(s)
m3	[illegible]	[illegible]	[illegible]

< [illegible] the limit of quantitation [illegible] amount of analyte which can be [illegible] this specific test

> [illegible]

J estimated value [illegible] the result lies within the Method Detection Limit [illegible] of Quantitation (LOQ)

ppm parts [illegible] ppm is equivalent to one milligram per kilogram [illegible] gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams [illegible] one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to [illegible] of gas per liter of gas.

ppb parts [illegible]

Dry weight basis Results printed under this heading have been adjusted for moisture [illegible] the analyte weight [illegible] approximate the value present in a similar sample [illegible] results are reported [illegible]

U.S. EPA CLP Data Qualifiers

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

Measurement uncertainty values, as applicable, are available upon request.

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.

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165226

B2-S-3-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B2
Collected:11/12/2003 09:30 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2--3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 02:24	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 12:32	Roy R Mellott Jr	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/17/2003 15:36	Joshua P Schaeffer	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:03	Jesse L Mertz	n.a.

Lancaster [illegible]
2425 New [illegible]

Explanation of Symbols and Abbreviations

The following [illegible] abbreviations used in reporting [illegible]

N.D.	[illegible]	**BMQL**	[illegible] Level
TNTC	[illegible]	**MPN**	Most Probable Number
IU	[illegible]	**CP Units**	cobalt-chloroplatinate units
umhos/cm	[illegible]	**NTU**	[illegible]
C	[illegible]	**F**	degrees F[illegible]
meq	[illegible]	**%**	percent
g	[illegible]	**kg**	kilogram(s)
ug	[illegible]	**mg**	milligram(s)
ml	[illegible]	**l**	liter(s)
m3	[illegible]	**ul**	microliter(s)

< [illegible] the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be [illegible] using this specific test

> greater than

J estimated [illegible] the result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million [illegible] One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous [illegible] is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight [illegible] 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 [illegible] under this heading have been adjusted for moisture content. [illegible] the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on [illegible] basis.

U.S. EPA CLP Data [illegible]

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165227

B2-S-6-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B2
Collected:11/12/2003 10:00 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2--6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 06:22	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 12:58	Roy R Mellott Jr	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/17/2003 15:35	Joshua P Schaeffer	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:04	Jesse L Mertz	n.a.

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holla[illegible]

Explanation of Symbols and Abbreviations

The following [illegible] abbreviations used in reporting [illegible]

N.D.	[illegible]	**BMQL**	[illegible] Level
TNTC	[illegible]	**MPN**	Most Probable Number
IU	[illegible]	**CP Units**	[illegible]
umhos/cm	[illegible]	**NTU**	nephelo[illegible]
C	[illegible]	**F**	degrees [illegible]
meq	[illegible]	**lb.**	pounds
g	[illegible]	**kg**	kilograms
ug	[illegible]	**mg**	milligram[illegible]
ml	[illegible]	**l**	liter[illegible]
m3	[illegible]	**ul**	[illegible]

< [illegible] the sign is the limit of quantitation [illegible] of analyte which can be [illegible] specific test

> [illegible]

J estimated value [illegible] result falls within the Method Detection [illegible] (LOQ).

ppm [illegible] ppm is equivalent to one milligram [illegible] per million grams. For [illegible] taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight [illegible] kilogram. For gases or vapors, one ppm is equivalent to [illegible] of gas per liter of gas.

ppb [illegible]

Dry weight basis Results [illegible] this heading have been adjusted for moisture [illegible] the analyte weight [illegible] approximate the value present in a similar sample [illegible] moisture. All other results are reported [illegible]

U.S. EPA CLP Data Qualifiers

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165228

B2-S-10-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B2
Collected:11/12/2003 10:30 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

-B210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	9.4	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 06:59	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 13:25	Roy R Mellott Jr	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/17/2003 15:32	Joshua P Schaeffer	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:06	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland [illegible]

Explanation of Symbols and Abbreviations

The following de[illegible] abbreviations used in reporting [illegible]

N.D	[illegible]	BMQL	[illegible] Level
TNTC	[illegible]	MPN	[illegible]
IU	[illegible]	CP Units	[illegible]
umhos/cm	[illegible]	NTU	[illegible]
C	[illegible]	F	[illegible]
meq	[illegible]	lb.	[illegible]
g	grams	kg	kilogram(s)
ug	[illegible]	mg	milligram(s)
ml	[illegible]	l	liter(s)
m3	cubic [illegible]	ul	microliter(s)

< [illegible] showing the sign is the limit of quantitation, the [illegible] of analyte which can be [illegible] using this specific test

> [illegible]

J [illegible] value – [illegible] fails within the Method Detection [illegible] Quantitation (LOQ).

ppm [illegible] is equivalent to one milligram per kilogram [illegible] per million grams. For [illegible] taken to be equivalent to milligram [illegible] liter of water has a [illegible] close to a kilogram. For gases or vapors one ppm is [illegible] gas per liter of gas.

ppb [illegible]

Dry weight basis [illegible] this heading have been adjusted for moisture [illegible] the analyte weight [illegible] the value present in a similar sample [illegible] All other results are reported [illegible]

U.S. EPA CLP Data Qualifiers:

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

Measurement uncertainty values, as applicable, are available upon request.

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.

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165229

B3-S-3-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B3
Collected:11/12/2003 13:40 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B3--3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 07:36	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 13:51	Roy R Mellott Jr	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/17/2003 15:31	Joshua P Schaeffer	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:07	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA 17601

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
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	***l***	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< 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

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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. All other results are reported on an as-received basis.

U.S. EPA CLP 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
- **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 sample 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.

Measurement uncertainty values, as applicable, are available upon request.

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.

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165230

B3-S-6-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B3
Collected:11/12/2003 13:50 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B3--6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 08:13	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 14:17	Roy R Mellott Jr	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/17/2003 15:27	Joshua P Schaeffer	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:09	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines the abbreviations used in reporting [illegible]

N.D.	[illegible]	**BMQL**	[illegible] Quantitation Level
TNTC	[illegible] Count	**MPN**	Most Probable Number
IU	[illegible]	**CP Units**	[illegible]
umhos/cm	[illegible]	**NTU**	[illegible]
C	[illegible]	**F**	[illegible]
meq	[illegible]	**lb.**	pound
g	gram	**kg**	kilogram
ug	[illegible]	**mg**	milligram
ml	milliliter	**l**	liter
m3	[illegible]	**ul**	microliter

< less than. The number following the sign is the limit of quantitation for the specific amount of analyte which can be reliably measured using this specific test.

> [illegible]

J estimated value. The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million. One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For solid samples, 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 reported under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample with no moisture. All other results are reported on a wet weight basis.

U.S. EPA CLP Data Qualifiers

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

Measurement uncertainty values, as applicable, are available upon request

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.

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165231

B3-S-10-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B3
Collected:11/12/2003 13:57 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B3-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 08:50	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 14:43	Roy R Mellott Jr	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/17/2003 15:26	Joshua P Schaeffer	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:10	Jesse L Mertz	n.a.

MEMBER ACIL
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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines certain symbols and abbreviations used in this report:

N.D.		BMQL	
TNTC		MPN	
IU		CP Units	
umhos/cm		NTU	
C			
meq		lb.	
g		kg	kilograms
ug		mg	
ml		l	
m3			

< less than. The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably measured by this specific test.

> greater than.

J estimated value. The result falls within the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ).

ppm parts per million. One ppm is equivalent to one milligram per kilogram, or one gram per million grams. For aqueous samples, ppm is usually taken to be equivalent to milligrams per liter, because one liter of water has a weight very close to one kilogram. For gases or vapors, one ppm is sometimes used to mean one microliter of gas per liter of gas.

ppb parts per billion.

Dry weight basis Results reported under this heading have been adjusted for moisture content, which increases the analyte weight per unit weight to approximate the value present in a similar sample with no moisture. All other results are reported on an as received basis.

U.S. EPA CLP Data Qualifiers:

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

Measurement uncertainty values, as applicable, are available upon request.

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.

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165232

B4-S-3-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B4
Collected:11/12/2003 12:53 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B4--3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 09:27	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/18/2003 15:09	Roy R Mellott Jr	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/17/2003 15:25	Joshua P Schaeffer	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:11	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland Pike

Explanation of Symbols and Abbreviations

The following [illegible] abbreviations used in reporting [illegible]

N.D.	[illegible]	DMCL	[illegible]
TNTC	[illegible]	MPN	[illegible]
IU	[illegible]	CP Units	[illegible]
umhos/cm	[illegible]	NTU	[illegible]
C	[illegible]	F	[illegible]
meq	[illegible]	lb.	[illegible]
g	[illegible]	kg	[illegible]
ug	[illegible]	mg	[illegible]
ml	[illegible]	l	[illegible]
m3	[illegible]	ul	[illegible]

< [illegible] number following the sign is the limit of quantitation [illegible] amount of analyte which can be [illegible] using the specific test.

> [illegible]

J [illegible] value is the result falls within the Method Detection [illegible] Limit of Quantitation (LOQ).

ppm parts per million. One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For solutions [illegible] is taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight [illegible] gram. 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 [illegible] under this heading have been adjusted for moisture [illegible] causes the analyte weight concentration to [illegible] approximately the value present in a similar sample without moisture. All other results are reported [illegible] basis.

U.S. EPA CLP Data Qualifiers

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

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in any 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.

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Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165233

B4-S-6-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B4
Collected:11/12/2003 13:00 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B4--6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/19/2003 10:04	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/23/2003 21:45	Marla S Lord	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/22/2003 20:13	Anastasia Papadoplos	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:12	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA 17601

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
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< 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

J estimated value – The result falls within the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ).

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. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

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

Measurement uncertainty values, as applicable, are available upon request.

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.

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4165234

B4-S-10-031112 NA Soil
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B4
Collected:11/12/2003 13:07 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/26/2003 at 13:47
Discard: 12/27/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B4-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	11/20/2003 05:29	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	11/19/2003 05:32	Anastasia Papadoplos	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	11/17/2003 15:22	Joshua P Schaeffer	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	11/17/2003 14:13	Jesse L Mertz	n.a.

Lancaster Laboratories
2425 New Holland [illegible]

Explanation of Symbols and Abbreviations

The following [illegible] abbreviations used in [illegible]

N.D.	[illegible]	BMQL	[illegible] Quantitation Level
TNTC	[illegible]	MPN	[illegible]
IU	[illegible]	CP Units	[illegible]
umhos/cm	[illegible]	NTU	[illegible]
C	[illegible]	F	[illegible]
meq	[illegible]	lb.	[illegible]
g	[illegible]	kg	kilograms
ug	[illegible]	mg	milligrams
ml	[illegible]	l	[illegible]
m3	[illegible]	ul	[illegible]

< [illegible] following the sign is the limit of quantitation [illegible] amount of analyte which can be [illegible] specific test.

> [illegible]

J [illegible] result falls within the Method Detection [illegible] Quantitation (LOQ).

ppm [illegible] ppm is equivalent to one milligram per [illegible] gram per million grams. For [illegible] usually taken to be equivalent to [illegible] because one liter of water has a [illegible] kilogram. For gases or vapors, one ppm [illegible] of gas per liter of gas.

ppb [illegible]

Dry weight basis [illegible] have been adjusted for [illegible] the analyte weight [illegible] the value present in a similar sample [illegible] other results are reported [illegible]

U.S. EPA CLP Data [illegible]

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is [illegible] condensation product	B	[illegible]
B	[illegible] the blank	E	[illegible] interference
C	Pesticide result [illegible] by GC/MS	M	Duplicate injection precision not met
D	Compound [illegible] a diluted sample	N	Spike sample not within control limits
E	Concentration [illegible] the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

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

Measurement uncertainty [illegible] as applicable, are available upon request.

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.

Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco Group Number: 874994
Reported: 11/26/03 at 01:47 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03316A34B	Sample number(s): 4165234							
TPH-GRO - Soils	N.D.	1.0	mg/kg	103		62-128		
Batch number: 03322A34A	Sample number(s): 4165223-4165226							
TPH-GRO - Soils	N.D.	1.0	mg/kg	90		62-128		
Batch number: 03322A34B	Sample number(s): 4165227-4165233							
TPH-GRO - Soils	N.D.	1.0	mg/kg	90		62-128		
Batch number: X033181AB	Sample number(s): 4165223-4165224							
Methyl Tertiary Butyl Ether	N.D.	1.	ug/kg	108		75-125		
Benzene	N.D.	1.	ug/kg	102		83-118		
Toluene	N.D.	1.	ug/kg	101		81-116		
Ethylbenzene	N.D.	1.	ug/kg	100		82-115		
Xylene (Total)	N.D.	1.	ug/kg	102		82-117		
Batch number: X033211AB	Sample number(s): 4165225-4165232							
Methyl Tertiary Butyl Ether	N.D.	1.	ug/kg	104		75-125		
Benzene	N.D.	1.	ug/kg	104		83-118		
Toluene	N.D.	1.	ug/kg	99		81-116		
Ethylbenzene	N.D.	1.	ug/kg	98		82-115		
Xylene (Total)	N.D.	1.	ug/kg	100		82-117		
Batch number: X033221AB	Sample number(s): 4165234							
Methyl Tertiary Butyl Ether	N.D.	1.	ug/kg	112		75-125		
Benzene	N.D.	1.	ug/kg	108		83-118		
Toluene	N.D.	1.	ug/kg	109		81-116		
Ethylbenzene	N.D.	1.	ug/kg	109		82-115		
Xylene (Total)	N.D.	1.	ug/kg	111		82-117		
Batch number: X033221AC	Sample number(s): 4165233							
Methyl Tertiary Butyl Ether	N.D.	1.	ug/kg	112		75-125		
Benzene	N.D.	1.	ug/kg	108		83-118		
Toluene	N.D.	1.	ug/kg	109		81-116		
Ethylbenzene	N.D.	1.	ug/kg	109		82-115		
Xylene (Total)	N.D.	1.	ug/kg	111		82-117		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03316A34B	Sample number(s): 4165234								
TPH-GRO - Soils	81	89	39-118	9	30				

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

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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike [illegible]

Explanation of Symbols and Abbreviations

The following [illegible] abbreviations used in reporting [illegible]

N.D.	[illegible]	**BMQL**	[illegible] Quantitation Level
TNTC	[illegible]	**MPN**	Most Probable Number
IU	[illegible]	**CP Units**	[illegible]
umhos/cm	[illegible]	**NTU**	[illegible]
C	[illegible]	**F**	degrees [illegible]
meq	[illegible]	**lb.**	pound(s)
g	[illegible]	**kg**	kilogram(s)
ug	[illegible]	**mg**	milligram(s)
ml	[illegible]	**l**	liter(s)
m3	[illegible]	**ul**	microliter(s)

< [illegible] The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be [illegible] this specific test.

> greater [illegible]

J Estimated [illegible] within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per [illegible] One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous [illegible] is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very [illegible] kilogram. For gases or vapors, one ppm is equivalent to one [illegible] of gas per liter of gas.

ppb parts [illegible]

Dry weight basis [illegible] this heading have been adjusted for moisture content. [illegible] the analyte weight [illegible] the value present in a similar sample without moisture. All other results are reported [illegible] basis.

U.S. EPA CLP Data Qualifiers

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

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Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco Group Number: 874994
Reported: 11/26/03 at 01:47 PM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03322A34A	Sample number(s): 4165223-4165226								
TPH-GRO - Soils	79	75	39-118	5	30				
Batch number: 03322A34B	Sample number(s): 4165227-4165233								
TPH-GRO - Soils	79	75	39-118	5	30				
Batch number: X033181AB	Sample number(s): 4165223-4165224								
Methyl Tertiary Butyl Ether	(2)	(2)	57-136	40*	30				
Benzene	(2)	(2)	52-141	43*	30				
Toluene	(2)	(2)	53-137	47*	30				
Ethylbenzene	66	115	50-136	30	30				
Xylene (Total)	38*	133	47-139	42*	30				
Batch number: X033211AB	Sample number(s): 4165225-4165232								
Methyl Tertiary Butyl Ether	99	97	57-136	1	30				
Benzene	101	97	52-141	4	30				
Toluene	96	90	53-137	6	30				
Ethylbenzene	90	86	50-136	4	30				
Xylene (Total)	94	89	47-139	5	30				
Batch number: X033221AB	Sample number(s): 4165234								
Methyl Tertiary Butyl Ether	103	104	57-136	0	30				
Benzene	102	95	52-141	7	30				
Toluene	103	96	53-137	6	30				
Ethylbenzene	99	89	50-136	10	30				
Xylene (Total)	101	90	47-139	11	30				
Batch number: X033221AC	Sample number(s): 4165233								
Methyl Tertiary Butyl Ether	103	104	57-136	0	30				
Benzene	102	95	52-141	7	30				
Toluene	103	96	53-137	6	30				
Ethylbenzene	99	89	50-136	10	30				
Xylene (Total)	101	90	47-139	11	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Soils
Batch number: 03316A34B

	Trifluorotoluene-F
4165234	99
Blank	106
LCS	118

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

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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike [illegible]

Explanation of Symbols and Abbreviations

The following de[illegible] [illegible]eviations used in reporting [illegible]

N.D.	[illegible]	**BMQL**	Below [illegible] Level
TNTC	[illegible]	**MPN**	Most Probable Number
IU	[illegible]	***CP Units***	cobalt[illegible]
umhos/cm	m[illegible]	**NTU**	nephe[illegible]
C	deg[illegible]	**F**	degrees F[illegible]
meq	[illegible]	**lb.**	pound(s)
g	[illegible]	**kg**	kilogram(s)
ug	[illegible]	**mg**	milligram(s)
ml	[illegible]	**l**	liter(s)
m3	[illegible]	**ul**	microliter(s)

< less th[illegible] number following the sign is the limit of quantitation the smallest am[illegible] analyte which can be [illegible] specific test

> [illegible]

J estim[illegible] result falls within the Method Detection Limit (MDL) and [illegible] Quantitation (LOQ).

ppm parts [illegible] is equivalent to one milligram per kilogram (mg/kg) [illegible] gram per million grams. For aqueous [illegible] usually taken to be equivalent to milligrams per liter (mg/l) because one liter of water has a weight [illegible] kilogram. For gases or vapors, one ppm is equivalent [illegible] liter of gas per liter of gas.

ppb [illegible]

Dry weight basis [illegible] heading have been adjusted for moisture content. [illegible] the analyte weight con[illegible] imate the value present in a similar sample without [illegible] results are reported [illegible]

U.S. EPA CLP Da[illegible]

[illegible] Qualifiers		Inorganic Qualifiers	
A	[illegible] condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analy[illegible] detected in the blank	**E**	Estimated due [illegible]
C	Pestic[illegible] confirmed by GC/MS	**M**	Duplicate injection [illegible] not met
D	Co[illegible] based on a diluted sample	**N**	Spike sample not within control limits
E	Concentration [illegible] exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not [illegible]
P	Concent[illegible] difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

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Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 874994
Reported: 11/26/03 at 01:47 PM

Surrogate Quality Control

MS	97
MSD	105
Limits:	71-122

Analysis Name: TPH-GRO - Soils
Batch number: 03322A34A

	Trifluorotoluene-F
4165223	102
4165224	96
4165225	97
4165226	98
Blank	109
LCS	108
MS	98
MSD	94
Limits:	71-122

Analysis Name: TPH-GRO - Soils
Batch number: 03322A34B

	Trifluorotoluene-F
4165227	93
4165228	98
4165229	95
4165230	97
4165231	97
4165232	95
4165233	103
Blank	102
LCS	108
MS	98
MSD	94
Limits:	71-122

Analysis Name: BTEX+MTBE by 8260B
Batch number: X033181AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4165223	100	95	95	85
4165224	98	94	93	84
Blank	101	98	93	85
LCS	100	94	94	87
MS	97	95	93	84
MSD	98	94	95	86
Limits:	70-129	70-121	70-130	70-128

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

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Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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

N.D.	[illegible]	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	[illegible]	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	[illegible]	**l**	liter(s)
m3	[illegible]	**ul**	microliter(s)

< 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

J estimated value - The result falls within the Method Detection Limit (MDL) and the Limit of Quantitation (LOQ).

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. All other results are reported on an as-received basis.

U.S. EPA CLP 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
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 sample 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
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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.

Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 874994
Reported: 11/26/03 at 01:47 PM

Surrogate Quality Control

Analysis Name: BTEX+MTBE by 8260B
Batch number: X033211AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4165225	102	96	95	83
4165226	102	96	95	83
4165227	101	92	95	83
4165228	102	98	96	89
4165229	103	94	94	85
4165230	101	95	95	85
4165231	103	100	93	84
4165232	99	90	95	83
Blank	101	98	93	85
LCS	99	98	92	87
MS	100	95	93	89
MSD	101	97	92	87
Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+MTBE by 8260B
Batch number: X033221AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4165234	99	96	94	84
Blank	98	99	94	86
LCS	101	103	94	88
MS	99	99	96	85
MSD	98	98	97	84
Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+MTBE by 8260B
Batch number: X033221AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4165233	70	90	103	91
Blank	98	95	102	91
LCS	101	103	94	88
MS	99	99	96	85
MSD	98	98	97	84
Limits:	70-129	70-121	70-130	70-128

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

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike

Explanation of Symbols and Abbreviations

The following de[illegible] abbreviations used in reports [illegible]

N.D	[illegible]	BMQL	[illegible] level
TNTC	[illegible]	MPN	[illegible]
IU	[illegible]	CP Units	[illegible]
umhos/cm	[illegible]	NTU	[illegible]
C	[illegible]		[illegible]
meq	[illegible]	lb.	pounds
g	[illegible]	kg	kilo[illegible]
ug	[illegible]	mg	milligra[illegible]
ml	[illegible]	l	liter[illegible]
m3	cubic [illegible]	ul	[illegible]

< [illegible] following the sign is the limit of quantitation [illegible] analyte which can be [illegible] test.

> [illegible]

J [illegible] result falls within the Method Detection Li[illegible] [illegible]antitation (LOQ).

ppm [illegible] ppm is equivalent to one milligram per kilogram [illegible] gram per million grams. For [illegible] ppm is usually taken to be equivalent to milligram[illegible] because one liter of water has a [illegible] kilogram. For gases or vapors, one ppm is equ[illegible] of gas per liter of gas.

ppb parts [illegible]

Dry weight basis [illegible] heading have been adjusted for moistu[illegible] [illegible]ases the analyte weight [illegible] to approximate the value present in a similar sample wit[illegible] other results are reported [illegible] basis.

U.S. EPA CLP Data Qualifiers

Organic Qualifiers

A	TIC [illegible] 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
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 [illegible]
E	Estimated [illegible]
M	Duplicate [illegible] not met
N	Spike sample [illegible] control limits
S	Method of [illegible] (MSA) used for calculation
U	Compound [illegible]
W	Post digestion spike [illegible] control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Lancaster Laboratories

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 874995. Samples arrived at the laboratory on Friday, November 14, 2003. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
B1-W-031112	Grab	Water	4165235
B2-W-031112	Grab	Water	4165236
B3-W-031113	Grab	Water	4165237
B4-W-031112	Grab	Water	4165238

1 COPY TO Cambria Environmental Attn: Bob Foss

Questions? Contact your Client Services Representative
Alison M O'Connor at (717) 656-2300.

Respectfully Submitted,

Michele M. Turner
Manager

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than. The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test

> greater than

J estimated value. The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ)

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. All other results are reported on an as-received basis

U.S. EPA CLP 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
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 sample 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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4165235

B1-W-031112 Grab Water
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B1
Collected:11/12/2003 12:20 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/24/2003 at 10:48
Discard: 12/25/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

609B1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/18/2003 18:30	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/19/2003 13:46	Lauren C Marzario	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/18/2003 18:30	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/19/2003 13:46	Lauren C Marzario	n.a.

Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA

Explanation of Symbols and Abbreviations

The following defines certain 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
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meters	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using the specific test.

> greater than

J estimated value - The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4165236

B2-W-031112 Grab Water
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B2
Collected:11/12/2003 11:15 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/24/2003 at 10:48
Discard: 12/25/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

609B2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/18/2003 18:59	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/19/2003 14:13	Lauren C Marzario	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/18/2003 18:59	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/19/2003 14:13	Lauren C Marzario	n.a.

Lancaster Laboratories
2425 New Holland Pike

Explanation of Symbols and Abbreviations

The following defi[illegible] and abbreviations used in reporting technical data:

N.D.	[illegible]	**BMQL**	Below Minimum Quantitation Level
TNTC	[illegible]	**MPN**	Most Probable Number
IU	[illegible]	**CP Units**	cobalt-chloroplatinate units
umhos/cm	[illegible]	**NTU**	nephelometric turbidity units
C	[illegible]	**F**	degrees Fahrenheit
meq	[illegible]	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	[illegible]	**mg**	milligram(s)
ml	[illegible]	**l**	liter(s)
m3	[illegible]	**ul**	microliter(s)

< less than. The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably detected using this specific test.

> greater than

J estimated value - The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million. One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous solutions, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to one 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 qualified with this heading have been adjusted for moisture content. This increases the analyte weight concentration to better approximate the value present in a similar sample without moisture. All other results are reported on an [illegible] basis.

U.S. EPA CLP Data Qualifiers

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4165237

B3-W-031113 Grab Water
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B3
Collected:11/13/2003 10:00 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/24/2003 at 10:48
Discard: 12/25/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

609B3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/18/2003 19:28	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/19/2003 14:40	Lauren C Marzario	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/18/2003 19:28	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/19/2003 14:40	Lauren C Marzario	n.a.

Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines certain 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
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than. The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value. The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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. All other results are reported on an as received basis.

U.S. EPA CLP Data Qualifiers:

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4165238

B4-W-031112 Grab Water
Facility# 94587 CETR
609 Oak St Oakland T0600100351 B4
Collected:11/12/2003 13:15 by MT

Account Number: 10880

Submitted: 11/14/2003 09:35
Reported: 11/24/2003 at 10:48
Discard: 12/25/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

609B4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	27.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/18/2003 19:57	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/19/2003 15:08	Lauren C Marzario	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/18/2003 19:57	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/19/2003 15:08	Lauren C Marzario	n.a.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines certain 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
meq	milliequivalents	lb	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meters	ul	microliter(s)

< less than. The limit number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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 reported 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. All other results are reported on an "as received" basis.

U.S. EPA CLP Data Qualifiers:

	Organic Qualifiers		Inorganic Qualifiers
A	TIC is a possible aldol-condensation product	B	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
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Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco Group Number: 874995
Reported: 11/24/03 at 10:48 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03322A08C	Sample number(s): 4165235-4165238							
TPH-GRO - Waters	N.D.	50.	ug/l	116		70-130		
Batch number: P033232AA	Sample number(s): 4165235-4165238							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		77-127		
Benzene	N.D.	0.5	ug/l	96		85-117		
Toluene	N.D.	0.5	ug/l	94		85-115		
Ethylbenzene	N.D.	0.5	ug/l	93		82-119		
Xylene (Total)	N.D.	0.5	ug/l	96		84-120		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03322A08C	Sample number(s): 4165235-4165238								
TPH-GRO - Waters	115	109	63-154	4	30				
Batch number: P033232AA	Sample number(s): 4165235-4165238								
Methyl Tertiary Butyl Ether	94	97	69-134	3	30				
Benzene	99	101	83-128	2	30				
Toluene	101	101	83-127	1	30				
Ethylbenzene	101	101	82-129	0	30				
Xylene (Total)	102	103	82-130	1	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 03322A08C

	Trifluorotoluene-F
4165235	114
4165236	111
4165237	112
4165238	111
Blank	110
LCS	115
MS	123
MSD	118
Limits:	57-146

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

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike [illegible]

Explanation of Symbols and Abbreviations

The following defines certain symbols and abbreviations used in reporting technical data.

N.D.	[illegible]	BMQL	Below Minimum Quantitation Level
TNTC	[illegible]	MPN	Most Probable Number
ntu	[illegible]	CP Units	cobalt chloroplatinate units
umhos/cm	[illegible]	NTU	nephelometric turbidity units
C	[illegible]	F	degrees Fahrenheit
meq	[illegible]	lb.	pound(s)
g	[illegible]	kg	kilogram(s)
ug	[illegible]	mg	milligram(s)
ml	[illegible]	l	liter(s)
m3	[illegible]	ul	microliter(s)

< less than. The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test

> greater than

J estimated value. The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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

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Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 874995
Reported: 11/24/03 at 10:48 AM

Surrogate Quality Control

Analysis Name: BTEX+MTBE by 8260B
Batch number: P033232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4165235	96	91	97	90
4165236	97	91	98	89
4165237	96	92	96	89
4165238	96	91	96	89
Blank	96	93	98	91
LCS	96	91	98	90
MS	96	90	98	90
MSD	97	92	98	91
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification
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Lancaster Laboratories
2425 New Holland Pike, Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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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
meq	milliequivalents	lb.	pound(s)
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Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

111303-887 005
2062 BA 11/13/03

Acct. #: 10880 For Lancaster Laboratories use only Sample #: 416523538 SCR#:

Gr. # 874995

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

Facility #: Former Chevron #94587
Site Address: 609 Oak St. Oakland, CA
Chevron PM: Karen Streich Lead Consultant: Cambria
Consultant/Office: Cambria / Emeryville, CA
Consultant Prj. Mgr.: Bob Foss
Consultant Phone #: 510 420 3348 Fax #: 510 420 9170
Sampler: Melissa Terry
Service Order #: ☐ Non SAR:

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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐
B1	W			03 11 12	1220		X		4	X	X				
B2	W			03 11 12	1115		X		4	X	X				
B3	W			03 11 13	1000		X		4	X	X				
B4	W			03 11 12	1315		X		4	X	X				

Comments / Remarks

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

	Date	Time		Date	Time
Relinquished by: Melissa Terry	11.13.03	1100	Received by: Bernardo Arroyo	11/13/03	1100
Relinquished by: Bernardo Arroyo	11/13/03	1450	Received by: Airborne	11/15/03	
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier. UPS FedEx Other			Received by	11/14/03	0935
Temperature Upon Receipt 2-3 C°			Custody Seals Intact? Yes No		