CONESTOGA-ROVERS
& ASSOCIATES

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

May 25, 2007

Mr. Barney Chan
Alameda County Department of Environmental Health (ACDEH)
1131 Harbor Bay Parkway
Alameda, CA 94502

Re: **Onsite Subsurface Investigation Report**
Former Chevron Station 9-0020
1633 Harrison Street
Oakland, California
CRA Project No. 311956

Dear Mr. Chan:

Conestoga-Rovers & Associates (CRA) is submitting this *Subsurface Investigation Report* on behalf of Chevron Environmental Management Company (Chevron). The objective of this investigation was to define the extent of hydrocarbon impacted soil in the northeast corner of the site and to facilitate the development of an appropriate remedial action plan (Figure 1). The future land use is a planned senior housing development. Chevron and CRA met with the Oakland Housing Authority, the proposed developer of the site and their consultant, on April 16, 2007 to discuss measures necessary to facilitate submittal of a U.S Department of Housing and Urban Development (HUD) application for financial assistance.

SUBSURFACE INVESTIGATION ACTIVITIES

CRA advanced four Geoprobe® soil borings in the upgradient direction from well MW-7. These borings further define the source of residual hydrocarbons and provide data for a risk evaluation based on the proposed residential development scenario. The locations of these borings are illustrated on Figure 2. The borings were advanced roughly equidistant between previous borings B25 and B-D and slightly west (upgradient) of the estimated location of the first generation dispenser island. CRA advanced the four borings to 28 feet below grade (fbg). Details of these activities are presented below.

Site Health and Safety Plan: CRA created a comprehensive site health and safety plan to protect site workers. The plan was reviewed and signed by all site workers and visitors and kept on-site at all times.

Permits: CRA conducted work under Alameda County Public Works Agency well permit W2007-0540. Copies of the permits are included as Attachment B.

Dates: CRA conducted the field work on April 27, 2007.

Personnel: CRA Staff Geologists Jonathan Williams and Ian Hull conducted the field work under the supervision of CRA Project Manager Charlotte Evans and California Professional Geologist Robert Foss (P.G. #7445).

Underground Utility Location: Prior to drilling, CRA contacted Underground Service Alert (USA) to notify utility providers of the proposed work and to identify the locations of subsurface utilities.

Drilling Company: CRA contracted Greg Drilling & Testing, Inc. (Gregg) of Martinez, California (C57 #485165) to advance the borings.

Soil Borings and sampling: CRA advanced soil borings SB1 through SB4 in the upgradient direction from well MW-7 (Figure 2). Gregg advanced the borings utilizing a Geoprobe® and an air-knife-assisted vacuum truck. CRA personnel continuously logged the soil lithology and collected soil samples for laboratory analysis at approximately 5-foot intervals. Soil samples were collected, covered with Teflon™ tape, capped with a polyethylene lid, and labeled. Boring logs showing sediment lithology and sample depths are presented as Attachment C.

Groundwater Sampling: Groundwater was encountered in all borings at approximately 18 fbg. CRA personnel transferred groundwater from these borings directly to sample containers using a stainless steel bailer. The sample containers were promptly capped and labeled.

Lithology: Sand with silt and silty sand were encountered to total boring depths of 28 fbg in borings SB2, SB3, and SB4. Sandy clay was encountered from 11 to 13 fbg and sandy silt was encountered from 27 to 28 fbg in boring SB1.

Laboratory Analyses: Soil and groundwater samples were stored in a cooler where they were maintained at 4° C and transported under chain of custody to Lancaster Laboratories of Lancaster, Pennsylvania where they were analyzed for the following constituents.

- TPHg by EPA Method 8015M,
- BTEX by EPA Method 8260B.

Tables 1 and 2 summarize the analytic results for soil and groundwater samples, respectively. The laboratory analytic reports are included as Attachment D.

Soil Disposal: Excess soil generated during the field activities was stored on-site in DOT-approved 55-gallon steel drums. After reviewing analytic results of waste profile samples, Integrated Wastestream Management (IWM), of San Jose, California transported the soil to an appropriate Chevron-approved disposal facility.

Petroleum Hydrocarbon Distribution in Soil

TPHg was only detected at 19.5 fbg in SB1, SB2, and SB3 with concentrations of 140, 120, 140 mg/kg, respectively. The maximum benzene detected was 0.002 mg/kg in SB-2 at 19.5 fbg. No TPHg or BTEX was detected in any soil sample from boring SB4 or in any of the other borings above 19.5 fbg.

Petroleum Hydrocarbon Distribution in Groundwater

Groundwater was collected from all four borings when groundwater was first encountered at approximately 19 fbg for borings SB1 and SB2, and at approximately 17 fbg for borings SB3 and SB4. The highest TPHg concentration detected was 11,000 µg/L in SB1 and SB2. Benzene was detected in all samples except SB4, with a maximum concentration of 10 µg/L in SB1.

CONCLUSIONS AND RECOMMENDATIONS

The purpose of this investigation was to further define hydrocarbon impact in soil onsite around MW-7 and the first generation dispenser island. Hydrocarbon impact in soil is defined in an area at approximately 19.5 to 25 fbg, and defined up-gradient by SB4 and cross-gradient by B-D and B25. Due to the requirements of HUD financial assistance applications, this investigation was restricted to defining conditions existing onsite only. An onsite Tier II Risk-Based Corrective Action evaluation was performed using this new data, along with all previously collected data, and will be submitted concurrently with this report, but under separate cover.

CLOSING

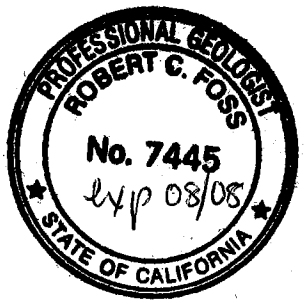
We appreciate this opportunity to work with your organization toward redevelopment of this property. Please contact Charlotte Evans at (510) 420-3351 or Satya Sinha of Chevron at (925) 842-9876 if you have any questions or comments.

Sincerely,
Conestoga-Rovers & Associates

Charlotte Evans

Robert Foss

Robert Foss, P.G. #7445



Figures: 1 – Vicinity Map
2 – Soil Boring Locations

Tables: 1 – Analytic Results for Soil
2 – Analytic Results for Groundwater

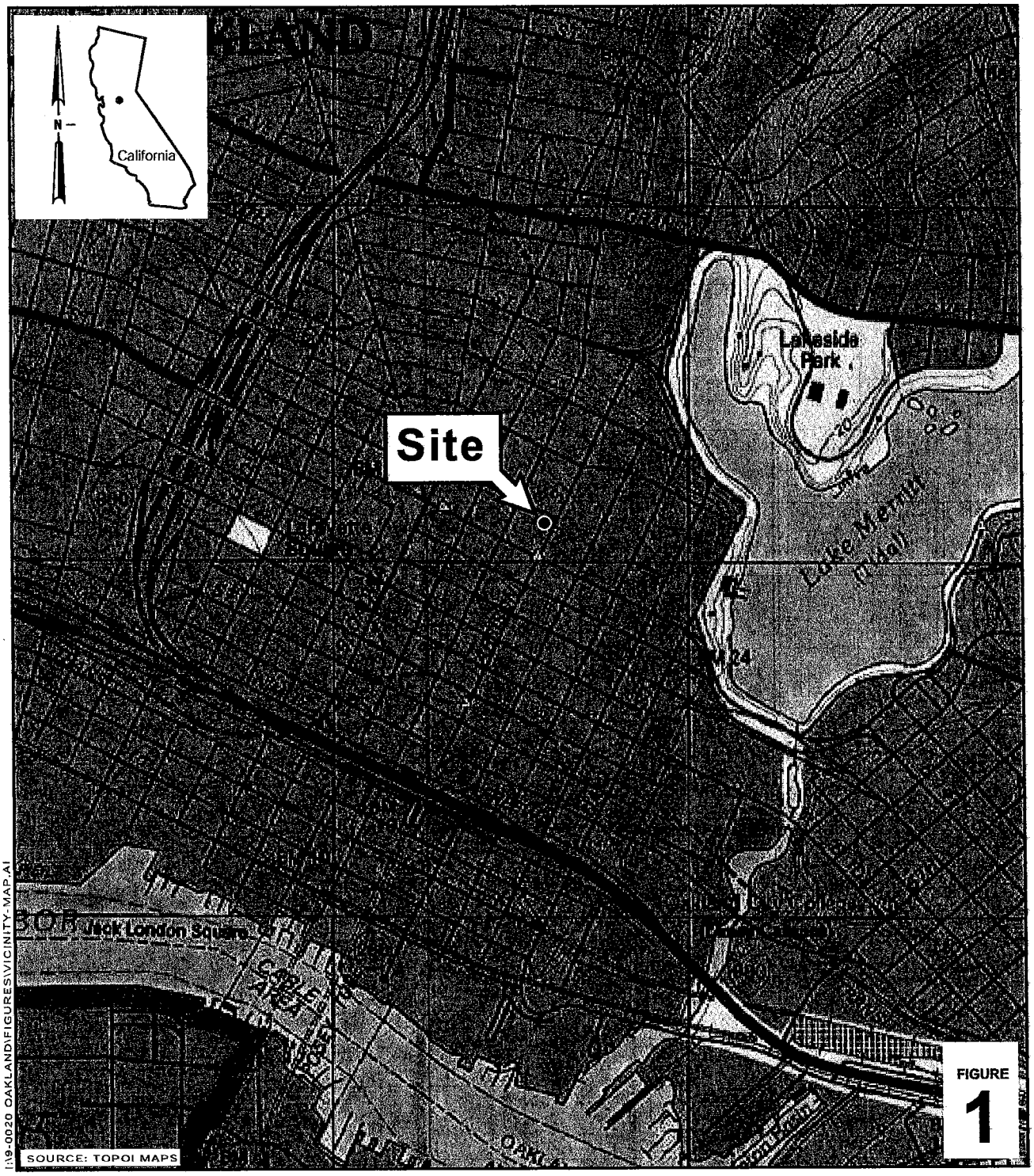
Attachments: A – Regulatory Correspondence
B – Permits
C – Boring Logs
D – Soil and Groundwater Analytic Data

cc: Mr. Satya Sinha, Chevron Environmental Management Company, P.O. Box 6012, San Ramon, CA 94583
Ms. Jeriann Alexander, FugroWest, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607
Mr. Shaddrick Small, Oakland Housing Authority, 1805 Harrison Street, Oakland, CA 94612
Mr. William Pickel, Christian Church Homes/California Community Housing, 303 Hegenberger Road, Suite 201, Oakland, CA 94621

I:\Chevron\9-0020 Oakland\2007 Investigation\9-0020 Onsite SSI Report 05.07.doc

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

04/23/07



I:\9-0020 OAKLAND\FIGURES\VICINITY-MAP.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Chevron Station 9-0020

1633 Harrison Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

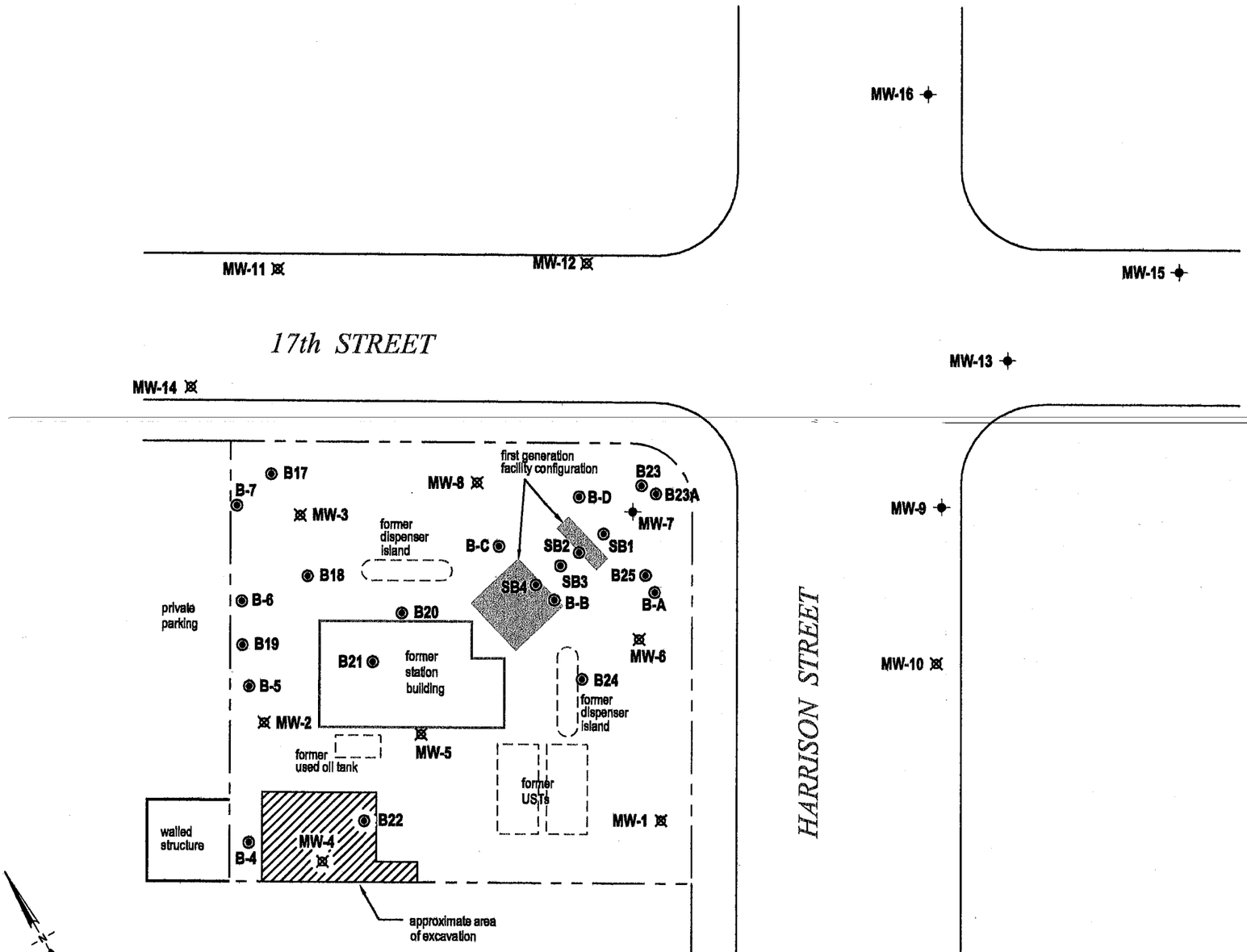
Vicinity Map

Site Plan

EXPLANATION

- SB1 ◉ Soil boring location (2007)
- B-A ◉ Soil boring location
- MW-7 ✦ Monitoring well location
- MW-1 ⊠ Abandoned well location

Basemap from Gettler-Ryan Inc.



FIGURE

2

Former Chevron Station 9-0020

1633 Harrison Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\9-0020 OAKLAND\FIGURES\SITEPLAN.DWG

Table 1. Analytic Results for Soil - Former Chevron Station 9-0020, 1633 Harrison Street, Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	B	T	E	X
			Concentrations reported in milligrams per kilogram - mg/kg				
SB1	4/27/07	5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB1	4/27/07	10	<1.0	<0.0005	<0.001	<0.001	<0.001
SB1	4/27/07	15	<1.0	<0.0005	<0.001	<0.001	<0.001
SB1	4/27/07	19.5	**140**	<0.003	<0.005	**0.026**	**0.01**
SB1	4/27/07	23.5	<1.0	<0.0005	<0.001	**0.005**	**0.015**
SB1	4/27/07	27.5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB2	4/27/07	5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB2	4/27/07	10	<1.0	<0.0005	<0.001	<0.001	<0.001
SB2	4/27/07	15	<1.0	<0.0005	<0.001	<0.001	<0.001
SB2	4/27/07	19.5	**120**	**0.002**	<0.001	**0.23**	**0.44**
SB2	4/27/07	23.5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB2	4/27/07	27.5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB3	4/27/07	5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB3	4/27/07	10	<1.0	<0.0005	<0.001	<0.001	<0.001
SB3	4/27/07	15	<1.0	<0.0005	<0.001	<0.001	<0.001
SB3	4/27/07	19.5	**140**	**0.0008**	**0.001**	**0.24**	**0.3**
SB3	4/27/07	23.5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB3	4/27/07	27.5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB4	4/27/07	5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB4	4/27/07	10	<1.0	<0.0005	<0.001	<0.001	<0.001
SB4	4/27/07	15	<1.0	<0.0005	<0.001	<0.001	<0.001
SB4	4/27/07	19.5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB4	4/27/07	23.5	<1.0	<0.0005	<0.001	<0.001	<0.001
SB4	4/27/07	27.5	<1.0	<0.0005	<0.001	<0.001	<0.001

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

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

fbg = Feet below grade

<x = Not detected above method detection limit

Table 2. Analytic Results for Groundwater - Former Chevron Station 9-0020, 1633 Harrison Street, Oakland, California

Sample ID	Sample Date	TPHg	B	T	E	X
		Concentrations reported in micrograms per liter (µg/L)				
SB1	4/27/07	**11,000**	**10**	<5	**320**	**250**
SB2	4/27/07	**6,700**	**2**	<2	**82**	**140**
SB3	4/27/07	**11,000**	**1**	<0.5	**37**	**66**
SB4	4/27/07	**57**	<0.5	<0.5	<0.5	<0.5

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

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

<x = Not detected above method detection limit

ATTACHMENT A

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

April 27, 2007

Mr. Satya Sinha
Chevron Environmental Management Co.
P.O. Box 6012, Room K2256
San Ramon, CA 94583

Mr. Shaddrick Small, Oakland Housing Authority
1805 Harrison St.
Oakland, CA 94612

Dear Messrs. Sinha and Small:

Subject: Fuel Leak Case RO0000143 & Global ID T0600100304, Chevron #9-0020, 1633 Harrison St., Oakland, CA 94612

Alameda County Environmental Health (ACEH) has reviewed the files for the subject site including the April 23, 2007 Workplan for Additional Soil Impact Definition prepared by Conestoga-Rovers & Associates (CRA). The work plan proposes to delineate the assumed source of petroleum contamination in the northeast corner of this site by drilling 2-3 borings up-gradient of MW-7 and sampling soil and groundwater. Although we have no objections with this work we request you address the following technical comments when performing the proposed work.

TECHNICAL COMMENTS

1. Proposed boring depths- We request that you attempt to determine the lateral and vertical extent of contamination. Therefore, you should if necessary increase the number of borings and the depth of the borings to accomplish this request.
2. Proposed boring samples- We request that you minimally sample and screen soil at 5' depth intervals, at changes in lithology and at signs of contamination. Samples should be analyzed at any sign of contamination.
3. Extent of contamination- We believe the contamination detected in off-site well MW-16 is from the release from this site. MW-16 is down-gradient of the known contamination area. Future actions should include the further delineation of the plume off-site and determination if remediation is necessary. An evaluation of impact and risk to off-site receptors must also be performed.

TECHNICAL REPORT REQUEST

Please submit the following technical reports according to the following schedule:

- May 28, 2007- Soil and Groundwater Investigation Report
- May 28, 2007- Risk Assessment and Feasibility Study

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline

the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information at (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

If you have any questions, please call me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos
Ms. Charlotte Evans, CRA, 5900 Hollis St., Suite A, Emeryville, CA 94608
Ms. Jeriann Alexander, FugroWest, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607

4_26_07 1633 Harrison St

ATTACHMENT B

Permits

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 04/24/2007 By jamesy

Permit Numbers: W2007-0540
Permits Valid from 04/27/2007 to 04/30/2007

Application Id:	1176849829055	**City of Project Site:**Oakland
Site Location:	1633 HARRISON STREET @ 17TH STREET	
Project Start Date:	04/27/2007	**Completion Date:**04/30/2007
Applicant:	Conestoga-Rovers & Associates - Ian Hull 5900 Hollis Street, Suite A, Emeryville, CA 94608	**Phone:** 510-420-3344
Property Owner:	Housing Authority of the City of Oakland 1805 Harrison Street, Oakland, CA 94612	**Phone:** --
Client:	Satya Sinha Chevron Environmental Management Company 6001 Bolinger Canyon Road, San Ramon, CA 94583	**Phone:** 925-842-1583

Total Due: $200.00
Receipt Number: WR2007-0180 **Total Amount Paid:** $200.00
Payer Name : Conestoga-Rovers & Paid By: CHECK **PAID IN FULL**
Associates

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 3 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: DP **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0540	04/24/2007	07/26/2007	3	2.00 in.	35.00 ft

Specific Work Permit Conditions

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

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

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

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

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

Alameda County Public Works Agency - Water Resources Well Permit

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

Evans, Charlotte

From: Evans, Charlotte
Sent: Monday, April 30, 2007 11:32 AM
To: ACPWA - James Yoo (Jamesy@acpwa.org)
Subject: Permit #W2007-0540

James,

We had originally proposed to advance 3 borings on the property, and ended up advancing 4 borings at the request of ACEH. The borings all went to 28 fbg.

Thanks,

Charlotte Evans
Conestoga-Rovers & Associates (CRA)
5900 Hollis Street, Suite A
Emeryville, CA 94608
Tel: 510-420-3351
Cel: 510-385-0387
Fax: 510-420-9170
cevans@craworld.com

Please note new email address
Conestoga-Rovers & Associates has acquired the former Cambria Environmental Technology.
Visit us at www.craworld.com

ATTACHMENT C

Boring Logs

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB1
JOB/SITE NAME	9-0020	**DRILLING STARTED**	27-Apr-07
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	27-Apr-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	I.Hull	**DEPTH TO WATER (First Encountered)**	19.0 fbg (27-Apr-07) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							SAND with silt: Red-brown; loose; 90% poorly graded fine sand, 10% silt; damp; non-plastic; moderate estimated permeability.		
0		SB1-S -5		5	SM				
							At 8 fbg color change to brown		
		SB1-S -10		10					
								11.0	
					CL		**Sandy CLAY:** Brown; soft; 70% clay, 30% very fine sand; damp; moderate plasticity; low estimated permeability.		
								13.0	
							SAND with silt: Moderate staining; loose; 90% poorly graded fine sand, 10% silt; damp; non-plastic; moderate estimated permeability.		Portland Type I/II
12		SB1-S -15		15					
							▽ At 19 fbg becomes wet		
12		SB1-S -19.5		20	SM				
28		SB1-S -23.5		25					
								27.0	
0		SB1-S -27.5			ML		**Sandy SILT:** Grey-brown; stiff; 70% silt, 30% very fine sand; moderate plasticity; low estimated permeability.	28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\9-0020~1\2007\IN~1\9-0020 SOIL BORINGS.05.2007.GPJ DEFAULT.GDT 5/8/07

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB2
JOB/SITE NAME	9-0020	**DRILLING STARTED**	27-Apr-07
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	27-Apr-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	19.0 fbg (27-Apr-07) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							SAND with silt: Red-brown; loose; 90% poorly graded fine sand, 10% silt; damp; non-plastic; moderate estimated permeability.		
		SB2-S -5		5					
							At 8 fbg color change to brown		
							At 9 fbg decrease in sand to 85%, addition of gravel to 5%		
1		SB2-S -10		10					
							At 11 fbg decrease in sand to 60%, increase in silt to 40%; stiff		
							At 12.5 fbg 6" layer with gravel; increase in sand to 85%, decrease in silt to 10%, increase in gravel to 5%		
					SM				◄ Portland Type I/II
9		SB2-S -15		15			At 15 fbg increase in sand to 90%, 10% silt		
							At 19 fbg becomes wet ▽		
312		SB2-S -19.5		20					
2		SB2-S -23.5		25					
1		SB2-S -27.5						28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\9-0020~1\2007\N~1\9-0020 SOIL BORINGS.05.2007.GPJ DEFAULT.GDT 5/8/07

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB3
JOB/SITE NAME	9-0020	**DRILLING STARTED**	27-Apr-07
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	27-Apr-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	17.0 fbg (27-Apr-07) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0			**SAND with silt:** Red-brown; stiff; 90% poorly graded fine sand, 10% silt; damp; non-plastic; moderate estimated permeability.		
		SB3-S -5		5					
							At 8 fbg color change to brown		
0		SB3-S -10		10			At 11 fbg decrease in sand to 80%, increase in silt to 20%; non-plastic; moderate estimated permeability.		
					SM				Portland Type I/II
0		SB3-S -15		15			At 16 fbg color changes to brown		
							At 17 fbg becomes wet ▽		
		SB3-S -19.5		20					
		SB3-S -23.5		25					
		SB3-S -27.5					At 27.5 fbg color change to dark brown	28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\9-0020~1\2007\IN~1\9-0020 SOIL BORINGS.05.2007.GPJ DEFAULT.GDT 5/8/07

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB4
JOB/SITE NAME	9-0020	**DRILLING STARTED**	27-Apr-07
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	27-Apr-07
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	17.0 fbg (27-Apr-07) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0			**Silty SAND:** Red-brown; loose; 80% poorly graded fine sand, 20% silt; damp; non-plastic; moderate estimated permeability.		
		SB4-S -5		5					
0		SB4-S -10		10	SM		At 13 fbg increase in sand to 90%, decrease in silt to 10%; non-plastic; moderate to high estimated permeability.		◄ Portland Type I/II
1		SB4-S -15		15					
0		SB4-S -19.5		20			At 19 fbg color changes to brown, becomes wet		
0		SB4-S -23.5		25			At 24.5 fbg color changes to dark brown		
0		SB4-S -27.5						28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID): I:\CHEVRON\9-0020~1\2007IN~1\9-0020 SOIL BORINGS.05.2007.GPJ DEFAULT.GDT 5/8/07

ATTACHMENT D

Soil and Groundwater Analytic Data

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1036182. Samples arrived at the laboratory on Wednesday, May 02, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description			Lancaster Labs Number
SB3-S-5-070427	Grab	Soil	5043146
SB3-S-10-070427	Grab	Soil	5043147
SB3-S-15-070427	Grab	Soil	5043148
SB3-S-19.5-070427	Grab	Soil	5043149
SB3-S-23.5-070427	Grab	Soil	5043150
SB3-S-27.5-070427	Grab	Soil	5043151
SB4-S-5-070427	Grab	Soil	5043152
SB4-S-10-070427	Grab	Soil	5043153
SB4-S-15-070427	Grab	Soil	5043154
SB4-S-19.5-070427	Grab	Soil	5043155
SB4-S-23.5-070427	Grab	Soil	5043156
SB4-S-27.5-070427	Grab	Soil	5043157
SB1-S-5-070427	Grab	Soil	5043158
SB1-S-10-070427	Grab	Soil	5043159
SB1-S-15-070427	Grab	Soil	5043160
SB1-S-19.5-070427	Grab	Soil	5043161
SB1-S-23.5-070427	Grab	Soil	5043162
SB1-S-27.5-070427	Grab	Soil	5043163
SB2-S-5-070427	Grab	Soil	5043164
SB2-S-10-070427	Grab	Soil	5043165
SB2-S-15-070427	Grab	Soil	5043166
SB2-S-19.5-070427	Grab	Soil	5043167
SB2-S-23.5-070427	Grab	Soil	5043168
SB2-S-27.5-070427	Grab	Soil	5043169

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Analysis Report

ELECTRONIC COPY TO CRA — Attn: Charlotte Evans

ELECTRONIC COPY TO CRA — Attn: I Hull

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

Respectfully Submitted,

Susan M Goshert

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 5043146

SB3-S-5-070427 **Grab** **Soil**
Facility# 90020 **CETE**
1633 Harrison-Oakland **T0600100304** **SB3**
Collected:04/27/2007 13:23 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB3-5

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 18:54	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 20:31	Sara E Wolf	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 19:03	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:10	Larry E Bevins	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 5043147

SB3-S-10-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB3
Collected:04/27/2007 13:38 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB310

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 19:32	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 18:16	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 17:46	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:18	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043148

SB3-S-15-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB3
Collected:04/27/2007 13:45 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB315

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 20:10	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 23:57	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 21:51	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:20	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043149

SB3-S-19.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB3
Collected:04/27/2007 13:53 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB319

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	140.	8.0	mg/kg	200
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	0.0008	0.0005	mg/kg	1
05466	Toluene	108-88-3	0.001	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.24	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.30	0.001	mg/kg	1

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 07:44	Linda C Pape	200
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 00:19	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 21:53	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:22	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043150

SB3-S-23.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB3
Collected:04/27/2007 14:00 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB323

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 21:27	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 18:38	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 17:48	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:24	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043151

SB3-S-27.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB3
Collected:04/27/2007 14:10 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB327

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 22:05	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 19:01	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 17:50	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:27	Larry E Bevins	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 5043152

SB4-S-5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB4
Collected:04/27/2007 14:38 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB4-5

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 22:43	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 19:24	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 17:53	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:29	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043153

SB4-S-10-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB4
Collected:04/27/2007 15:00 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB410

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 23:21	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 19:46	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 17:55	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:33	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043154

SB4-S-15-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB4
Collected:04/27/2007 15:05 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB415

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 23:59	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 20:09	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 17:57	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:35	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043155

SB4-S-19.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB4
Collected:04/27/2007 15:13 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB419

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 00:37	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 20:54	Sara E Wolf	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 19:04	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:36	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043156

SB4-S-23.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB4
Collected:04/27/2007 15:23 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB423

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 02:32	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 21:17	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 19:06	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:38	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043157

SB4-S-27.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB4
Collected:04/27/2007 15:33 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB427

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 03:10	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 21:39	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 19:08	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:40	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043158

SB1-S-5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB1
Collected:04/27/2007 08:57 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB1-5

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 19:14	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 22:02	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 20:18	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:42	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043159

SB1-S-10-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB1
Collected:04/27/2007 09:57 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB110

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 19:51	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 22:25	Sara E Wolf	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 20:19	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:44	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043160

SB1-S-15-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB1
Collected:04/27/2007 10:05 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB115

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 20:27	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 22:48	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 20:21	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:46	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043161

SB1-S-19.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB1
Collected:04/27/2007 10:10 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB119

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	140.	8.0	mg/kg	200
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.003	mg/kg	5
05466	Toluene	108-88-3	N.D.	0.005	mg/kg	5
05474	Ethylbenzene	100-41-4	0.026	0.005	mg/kg	5
06301	Xylene (Total)	1330-20-7	0.01	0.005	mg/kg	5
	The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.					

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 07:32	Linda C Pape	200
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 06:19	Stephanie A Selis	5
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 21:54	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:48	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043162

SB1-S-23.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB1
Collected:04/27/2007 10:16 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB123

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	0.005	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	0.015	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 05:56	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 05:56	Stephanie A Selis	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 21:56	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:50	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043163

SB1-S-27.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB1
Collected:04/27/2007 10:25 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB127

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/02/2007 22:19	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 23:10	Sara E Wolf	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 20:24	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:52	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043164

SB2-S-5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB2
Collected:04/27/2007 09:05 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB2-5

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 00:27	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/02/2007 23:33	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 20:26	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:55	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043165

SB2-S-10-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB2
Collected:04/27/2007 10:35 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB210

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 01:04	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 03:39	Stephanie A Selis	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 21:58	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 15:57	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5043166

SB2-S-15-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB2
Collected:04/27/2007 10:42 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB215

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 01:40	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 04:49	Stephanie A Selis	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 22:00	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 16:02	Larry E Bevins	n.a.

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. SW 5043167

SB2-S-19.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB2
Collected:04/27/2007 10:50 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB219

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	120.	8.0	mg/kg	200
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	0.002	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.23	0.005	mg/kg	5
06301	Xylene (Total)	1330-20-7	0.44	0.005	mg/kg	5

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 08:08	Linda C Pape	200
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 06:41	Stephanie A Selis	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 10:47	Stephanie A Selis	5
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 22:02	Sara E Wolf	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	05/03/2007 08:18	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 16:08	Larry E Bevins	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 5043168

SB2-S-23.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB2
Collected:04/27/2007 11:00 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB223

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 02:53	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 05:11	Stephanie A Selis	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 22:02	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 16:10	Larry E Bevins	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 5043169

SB2-S-27.5-070427 Grab Soil
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB2
Collected:04/27/2007 11:11 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/03/2007 at 16:01
Discard: 06/03/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB227

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. Therefore, the reporting limits were raised. 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					
05460	Benzene	71-43-2	N.D.	0.0005	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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	05/03/2007 04:43	Linda C Pape	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	05/03/2007 05:34	Stephanie A Selis	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	05/02/2007 22:06	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	05/02/2007 16:13	Larry E Bevins	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1036182
Reported: 05/03/07 at 04:01 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07121A33B	Sample number(s): 5043146-5043157							
TPH-GRO - Soils	N.D.	1.0	mg/kg	97		67-119		
Batch number: 07123A31A	Sample number(s): 5043158-5043169							
TPH-GRO - Soils	N.D.	1.0	mg/kg	97		67-119		
Batch number: A071221AA	Sample number(s): 5043146-5043160,5043163-5043164							
Benzene	N.D.	0.0005	mg/kg	108		84-115		
Toluene	N.D.	0.001	mg/kg	103		81-116		
Ethylbenzene	N.D.	0.001	mg/kg	103		82-115		
Xylene (Total)	N.D.	0.001	mg/kg	103		82-117		
Batch number: A071231AA	Sample number(s): 5043161-5043162,5043165-5043169							
Benzene	N.D.	0.0005	mg/kg	97		84-115		
Toluene	N.D.	0.001	mg/kg	93		81-116		
Ethylbenzene	N.D.	0.001	mg/kg	93		82-115		
Xylene (Total)	N.D.	0.001	mg/kg	94		82-117		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07121A33B	Sample number(s): 5043146-5043157 UNSPK: P031307								
TPH-GRO - Soils	103	110	39-118	7	30				
Batch number: 07123A31A	Sample number(s): 5043158-5043169 UNSPK: P038375								
TPH-GRO - Soils	79	76	39-118	5	30				
Batch number: A071221AA	Sample number(s): 5043146-5043160,5043163-5043164 UNSPK: P042361								
Benzene	97	85	59-120	13	30				
Toluene	94	80	38-131	15	30				
Ethylbenzene	89	75	54-116	16	30				
Xylene (Total)	89	75	44-127	16	30				
Batch number: A071231AA	Sample number(s): 5043161-5043162,5043165-5043169 UNSPK: 5043165								
Benzene	100	101	59-120	0	30				
Toluene	98	99	38-131	1	30				
Ethylbenzene	101	101	54-116	0	30				
Xylene (Total)	101	102	44-127	0	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.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1036182
Reported: 05/03/07 at 04:01 PM

Surrogate Quality Control

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

Analysis Name: TPH-GRO - Soils
Batch number: 07121A33B

	Trifluorotoluene-F
5043146	83
5043147	85
5043148	77
5043149	12*
5043150	78
5043151	82
5043152	79
5043153	82
5043154	80
5043155	78
5043156	81
5043157	81
Blank	100
LCS	102
MS	89
MSD	92
Limits:	61-122

Analysis Name: TPH-GRO - Soils
Batch number: 07123A31A

	Trifluorotoluene-F
5043158	84
5043159	88
5043160	94
5043161	20*
5043162	81
5043163	98
5043164	92
5043165	98
5043166	87
5043167	26*
5043168	88
5043169	96
Blank	100
LCS	103
MS	94
MSD	94
Limits:	61-122

Analysis Name: BTEX+MTBE by 8260B
Batch number: A071221AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5043146	95	87	90	81
5043147	94	90	91	81
5043148	97	90	90	82

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1036182
Reported: 05/03/07 at 04:01 PM

Surrogate Quality Control

5043149	86	81	76	78
5043150	92	84	90	87
5043151	94	87	88	87
5043152	94	87	91	81
5043153	95	86	91	82
5043154	97	89	90	82
5043155	96	86	91	82
5043156	95	87	92	81
5043157	96	85	91	80
5043158	96	87	91	82
5043159	96	89	91	81
5043160	96	87	91	85
5043163	95	87	91	82
5043164	96	86	91	80
Blank	95	91	90	83
LCS	93	89	93	89
MS	69*	89	95	88
MSD	66*	89	95	86
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+MTBE by 8260B
Batch number: A071231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5043161	90	85	95	90
5043162	89	82	92	89
5043165	89	83	92	82
5043166	92	86	91	82
5043167	88	83	77	79
5043168	90	83	91	87
5043169	91	83	91	83
Blank	90	87	91	82
LCS	90	89	93	86
MS	92	89	93	88
MSD	91	87	94	86
Limits:	71-114	70-109	70-123	70-111

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
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043007-07
1 of 2

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5043146-69 SCR#: 240219

1036182

Facility #: 9-0020 A1L
Site Address: 1633 HARRISON ST., OAKLAND
Chevron PM: S. SINHA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: C. EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: I. HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

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

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

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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	___ Oxygenates	Lead 7420 ☐ 7421 ☐
SB3-S-5	SOIL		5	07.04 27	13:23		X		1	X	X				
SB3-S-10	↓		10	↓	13:38		↓		↓	↓	↓				
SB3-S-15			15		13:45										
SB3-S-19.5			19.5		13:53										
SB3-S-23.5			23.5		14:00										
SB3-S-27.5			27.5		14:10										
SB4-S-5			5		14:38										
SB4-S-10			10		15:00										
SB4-S-15			15.5		15:05										
SB4-S-19.5			19.5		15:13										
SB4-S-23.5			23.5		15:23										
SB4-S-27.5	↓		27.5	↓	15:33		↓		↓	↓	↓				

Comments / Remarks
please E-mail to:
cevans@craworld.com
ihull@craworld.com

send EDF data to:
Dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)

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

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1		4/30/07	11:15		4/30/07	11:15
2		4/30/07	1:15		4/13/07	1315
3		4/30/07	1530	DTC	4/30/07	

Relinquished by Commercial Carrier: UPS FedEx Other DHL
Received by: Kathy Binkley Date 5-2-07 Time 0930
Temperature Upon Receipt 3.1° C°
Custody Seals Intact? (Yes) No

Chevron California Region Analysis Request/Chain of Custody

240218

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Where quality is a science.

043007-07
P202

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5043146-69 SCR#:

1036182

Facility #: 9-0020 ATL
Site Address: 1633 HARRISON ST.
Chevron PM: S. SINHA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: C. EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: I. HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + ☒ 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates (___)	Lead 7420 ☐ 7421
SB1-S-5	SOIL		5	07 04 27	8:57		X		1	X	X				
SB1-S-10			10		9:57										
SB1-S-15			15		10:05										
SB1-S-19.5			19.5		10:10										
SB1-S-23.5			23.5		10:16										
SB1-S-27.5			27.5		10:25										
SB2-S-5			5		9:05										
SB2-S-10			10		10:35										
SB2-S-15			15		10:42										
SB2-S-19.5			19.5		10:50										
SB2-S-23.5			23.5		11:00										
SB2-S-27.5	↓		27.5	↓	11:11		↓		↓	↓	↓				

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

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

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

Comments / Remarks
Please e-mail to:
cevans@craworld.com
ihull@craworld.com

send EDF to:
dohare@craworld.com

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

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

	Date	Time		Date	Time
Relinquished by:	4/20/07	11:15	Received by:		
Relinquished by:	4/30/07	1:15	Received by:	4/30/07	1315
Relinquished by:	4/30/07	1530	Received by:	4/30/07	
Relinquished by Commercial Carrier: UPS FedEx Other DHL			Received by:	5-2-07	0930
Temperature Upon Receipt 3.1° C°			Custody Seals Intact? (Yes) No		

3460 Rev. 10/04/01

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

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

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

Contact Information

GM Commercial Property Assessment Program
CRA-Pacific Program

CRA GM Commercial Real Estate Due Diligence Program Manager:
Signatory — Martha F. Darnton, P.E.
517/316-2397 x-12; 517/316-2398 fax; 248/444-1821 m.
mdarnton@CRAworld.com
CRA, 620 South Capitol Avenue, Suite 100, Lansing, Michigan 48933

CRA Shareholder in Charge of Program:
Glenn Turchan
519/884-0510, 519/884-0525 fax, 519/572-9770 m.
gturchan@CRAworld.com
CRA, 651 Colby Drive, Waterloo, Ontario N2V 1C2 Canada

CRA P1 ESA Manager:
Technical Reviewer (1) — Brian Boevers
651/639-0439 x-303, 651/639-0923 fax, bboevers@CRAworld.com
CRA, 1801 Old Highway 8, Suite 113, St. Paul, Minnesota 55112

Technical Reviewer (2) — Bob Pyle
770/441-0027, 770/441-2050 fax, bpyle@CRAworld.com
CRA, 1412 Oakbrook Drive, Suite 180, Atlanta, Georgia 30093

CRA-Pacific P1 ESA Program Manager: — Mark Jonas, P.G. (E-level)
510/420-3307, 510/420-9170 fax, 510/385-0022 m., mjonas@CRAworld.com
CRA, 5900 Hollis Street, Suite A, Emeryville, California 94608

CRA-Pacific P1 ESA Assistant Program Mngr.: — Celina Hernandez (B-level)
510/420-3313; 510/420-9170 fax, 510/376-0115 m., chernandez@CRAworld.com
CRA, 5900 Hollis Street, Suite A, Emeryville, California 94608

Local Assessors:

Emeryville, California
Christina McClelland (A-level)
510/420-3309, 510/420-9170 fax, 510/385-0015 m., cmcclelland@CRAworld.com
CRA, 5900 Hollis Street, Suite A, Emeryville, California 94608

Irvine, California
Derek Wilken (A-level)
949/428-8990; 929/428-8995 fax, 949/279-9972 m., dwilken@CRAworld.com
CRA, 4 Jenner St., Suite 100, Irvine, California 92618
Manager: Lyn Lowry, 949/428-8990 x-102, 949/355-6427 m., llowry@CRAworld.com

Roseville, California
Lindsay Marsh (A-level)
916/677-3407, 916/677-3687 fax, 916/919-0385 m., lmarsh@CRAworld.com
CRA, 2000 Opportunity Drive, Suite 110, Roseville, CA 95678
Manager: Bruce Eppler, 916/677-3407 x-102, 916/439-3289 m.,beppler@CRAworld.com

Everett, Washington
Erin Blakemore (A-level)
425/212-5100, 425/212-5199 fax, 425/508-9433 m., eblakemore@CRAworld.com
CRA, 8620 Holly Drive, Suite 210, Everett, WA 98208
Manager: Terry Crotwell, 425/212-5101, 360/239-8560 m., tcrotwell@CRAworld.com

Denver, Colorado
Eric Purcell (A-level)
303/433-3650, 303/433-3974 fax, 303/994-8265 m., epurcell@CRAworld.com
CRA, 2828 N. Speer Blvd., Suite 140, Denver, CO 80211
Manager: John Riggi, 303/433-3923, 303/944-5001 m., jriggi@CRAworld.com

Local Shareholder:

Scott MacLeod
510/420-3301; 510/420-9170 fax, 925/260-0391 m.
smacleod@CRAworld.com
CRA, 5900 Hollis Street, Suite A, Emeryville, California 94608

EDR:

Kelly Connelly
CRA Chicago
773/380-9933 x-1109, 773/380-6421 fax, 773/330-2587 m.
kconnelly@CRAworld.com

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1036181. Samples arrived at the laboratory on Wednesday, May 02, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description			Lancaster Labs Number
SB1-W-070427	Grab	Water	5043142
SB2-W-070427	Grab	Water	5043143
SB3-W-070427	Grab	Water	5043144
SB4-W-070427	Grab	Water	5043145

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

Lancaster Laboratories

Analysis Report

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

Respectfully Submitted,

Melissa A McDermott

Melissa A. McDermott
Senior Chemist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5043142

SB1-W-070427 **Grab** **Water**
Facility# 90020 **CETE**
1633 Harrison-Oakland **T0600100304** **SB1**
Collected:04/27/2007 13:00 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/04/2007 at 14:58
Discard: 06/04/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB1-W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	11,000.	500.	ug/l	10

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.
The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

This sample was submitted with headspace.

06053	BTEX by 8260B					
05401	Benzene	71-43-2	10.	5.	ug/l	10
05407	Toluene	108-88-3	N.D.	5.	ug/l	10
05415	Ethylbenzene	100-41-4	320.	5.	ug/l	10
06310	Xylene (Total)	1330-20-7	250.	5.	ug/l	10

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

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	05/02/2007 22:28	Steven A Skiles	10
06053	BTEX by 8260B	SW-846 8260B	1	05/03/2007 02:02	Michael A Ziegler	10
01146	GC VOA Water Prep	SW-846 5030B	1	05/02/2007 22:28	Steven A Skiles	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/03/2007 02:02	Michael A Ziegler	10

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Analysis Report

Lancaster Laboratories Sample No. WW 5043143

SB2-W-070427 Grab Water
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB2
Collected:04/27/2007 13:30 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/04/2007 at 14:58
Discard: 06/04/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB2-W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	6,700.	250.	ug/l	5

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.
The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 5.

06053	BTEX by 8260B					
05401	Benzene	71-43-2	2.	2.	ug/l	4
05407	Toluene	108-88-3	N.D.	2.	ug/l	4
05415	Ethylbenzene	100-41-4	82.	2.	ug/l	4
06310	Xylene (Total)	1330-20-7	140.	2.	ug/l	4

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	05/02/2007 22:50	Steven A Skiles	5
06053	BTEX by 8260B	SW-846 8260B	1	05/03/2007 02:47	Michael A Ziegler	4
01146	GC VOA Water Prep	SW-846 5030B	1	05/02/2007 22:50	Steven A Skiles	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/03/2007 02:47	Michael A Ziegler	4

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Analysis Report

Lancaster Laboratories Sample No. WW 5043144

SB3-W-070427 Grab Water
Facility# 90020 CETE
1633 Harrison-Oakland T0600100304 SB3
Collected:04/27/2007 14:30 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/04/2007 at 14:58
Discard: 06/04/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB3-W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	11,000.	250.	ug/l	5

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.
The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 5.

This sample was submitted with headspace.

06053	BTEX by 8260B					
05401	Benzene	71-43-2	1.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	37.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	66.	0.5	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 5.

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	05/02/2007 21:45	Steven A Skiles	5
06053	BTEX by 8260B	SW-846 8260B	1	05/03/2007 03:32	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/02/2007 21:45	Steven A Skiles	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/03/2007 03:32	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5043145

SB4-W-070427 **Grab** **Water**
Facility# 90020 **CETE**
1633 Harrison-Oakland **T0600100304** **SB4**
Collected:04/27/2007 15:40 by IH

Account Number: 10880

Submitted: 05/02/2007 09:30
Reported: 05/04/2007 at 14:58
Discard: 06/04/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SB4-W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	57.	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. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 3.					
06053	BTEX by 8260B					
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
	The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.					

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	05/02/2007 22:07	Steven A Skiles	1
06053	BTEX by 8260B	SW-846 8260B	1	05/03/2007 04:17	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/02/2007 22:07	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/03/2007 04:17	Michael A Ziegler	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1036181
Reported: 05/04/07 at 02:58 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07116A20B	Sample number(s): 5043142-5043145							
TPH-GRO - Waters	N.D.	50.	ug/l	122	111	75-135	10	30
Batch number: D071223AA	Sample number(s): 5043142-5043145							
Benzene	N.D.	0.5	ug/l	90		78-119		
Toluene	N.D.	0.5	ug/l	96		85-115		
Ethylbenzene	N.D.	0.5	ug/l	96		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		83-113		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07116A20B	Sample number(s): 5043142-5043145 UNSPK: P036845								
TPH-GRO - Waters	106		63-154						
Batch number: D071223AA	Sample number(s): 5043142-5043145 UNSPK: P039298								
Benzene	108	107	83-128	1	30				
Toluene	111	114	83-127	2	30				
Ethylbenzene	111	113	82-129	1	30				
Xylene (Total)	106	109	82-130	3	30				

Surrogate Quality Control

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

Analysis Name: TPH-GRO - Waters
Batch number: 07116A20B

	Trifluorotoluene-F
5043142	114
5043143	98
5043144	93
5043145	75
Blank	74
LCS	127
LCSD	123
MS	115

*- 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.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1036181
Reported: 05/04/07 at 02:58 PM

Surrogate Quality Control

Limits: 63-135

Analysis Name: BTEX by 8260B
Batch number: D071223AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5043142	102	96	110	92
5043143	99	94	108	112
5043144	102	97	110	94
5043145	103	99	110	110
Blank	100	94	108	109
LCS	102	98	110	113
MS	100	95	105	110
MSD	101	95	108	112
Limits:	80-116	77-113	80-113	78-113

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

Chevron California Region Analysis Request/Chain of Custody

240225

Lancaster Laboratories
Where quality is a science.

043007-08

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 504342-45 SCR#:

1036181

Facility #: 9-0020 ATL
Site Address: 1633 HARRISON ST., OAK
Chevron PM: S. SINHA Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: C. EVANS
Consultant Phone #: 510 420 3351 Fax #: 510 420 9170
Sampler: I. HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
SB1-W	H_2O			07 04 27	~~10~~13:00		X		6	X	X				
SB2-W	↓			↓	13:30		X		↓	↓	↓				
SB3-W					~~14:30~~	14:30	X								
SB4-W	↓			↓	15:~~10~~		X		↓	↓	↓				

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

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

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

Comments / Remarks
Please e-mail to:
cevans@craworld.com
ihull@craworld.com

Send EDF data to:
dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)

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

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

	Date	Time		Date	Time
Relinquished by:	4/30/07	11:15	Received by:	4/30/07	11:15
Relinquished by:	4/30/07	1:15	Received by:	4/30/07	1315
Relinquished by:	4/30/07	1550	Received by: DHL	4/30/07	
Relinquished by Commercial Carrier: UPS FedEx Other DHL			Received by:	5-2-07	0930
Temperature Upon Receipt 3.1° C°			Custody Seals Intact? (Yes) No		

3460 Rev. 10/04/01

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

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

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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