CONESTOGA-ROVERS
& ASSOCIATES

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

July 24, 2007

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

Re: **Offsite Sampling Report**
Chevron Station 9-0121
3026 Lakeshore Avenue
Oakland, California
RO# 000284

Dear Mr. Chan:

Conestoga-Rovers & Associates (CRA) is submitting this *Offsite Sampling Report* on behalf of Chevron Environmental Management Company (Chevron). Alameda County Department of Environmental Health (ACDEH) had requested that Chevron inspect/monitor the basement sump of the adjacent property in a letter dated August 1, 2006 (erroneous original date of October 1, 2006) (Attachment A). Due to delays in obtaining an access agreement with the building owner, the Diocese of Oakland, groundwater sampling of the basement sump was performed on May 30, 2007.

SITE BACKGROUND

Chevron service station 9-0121 is located on the southern corner of the intersection of Lakeshore Avenue and Macarthur Boulevard in Oakland, California. The site is currently an operating Chevron service station (Figure 1). Onsite facilities include an island market, six dispenser islands, a storage/restroom building, three gasoline underground storage tanks (USTs) and one diesel UST that share a common pit at the northern corner of the site (Figure 2). Chevron owns the property and began service station operations at this site in the 1950s.

Groundwater typically flows to the southwest beneath the northwestern portion of the site and flows to the southeast beneath the eastern portion of the site. A vapor barrier, of undocumented construction details, between the site and an adjacent building influences groundwater flow beneath the site, causing groundwater mounding in the western portion of the site. The depth to groundwater typically fluctuates seasonally between approximately 3 and 9 fbg.

GROUNDWATER SAMPLING OF SUMP

One groundwater sample was collected by CRA from the sump in the basement of the property, adjacent to and downgradient of, the service station site on May 30, 2007. The sample was analyzed for total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), benzene, toluene, ethyl benzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE), ethanol, tert-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl-tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA). With the exception of TPHg and TPHd, all results were below the established environmental screening levels (ESLs) where groundwater is not, or not anticipated, as a source of drinking water, as published by the San Francisco-Regional Water Quality Control Board (SF-RWQCB) in February 2005. TPHg was detected at 1,300 micrograms per liter (µg/l) and TPHd detected at 830 µg/l. The ESLs are 500 µg/l and 640 µg/l, respectively. Benzene was detected at 1.0 µg/l, toluene at 1.0 µg/l, ethylbenzene at 2.0 µg/l, total xylenes at 4 µg/l, MTBE at 28 µg/l, ethanol at 130 µg/l, and TBA at 12 µg/l. The laboratory analytic results are presented as Attachment B. The analytic results as compared to ESLs are presented on Table 1.

CRA concurs with ACDEH that the sump be included in the groundwater monitoring and sampling program on a semi-annual basis and be sampled in the first and third quarter, when groundwater elevations have historically been at the highest and lowest levels, respectively. Due to the low levels of benzene in the groundwater, indoor air sampling is not considered necessary. TPHg was detected at 1,300 µg/l, but it is below 5,000 µg/l, the nuisance odor ESL established by the SF-RWQCB.

SCHEDULE

CRA will work with the Diocese of Oakland to negotiate an ongoing access agreement that will allow semi-annual groundwater monitoring and sampling of the sump in time for the third quarter event.

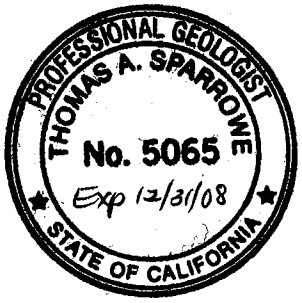
CLOSING

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

Thomas A Sparrowe for
Robert Foss, P.G. #7445



Figures: 1 – Vicinity Map
2 – Siteplan

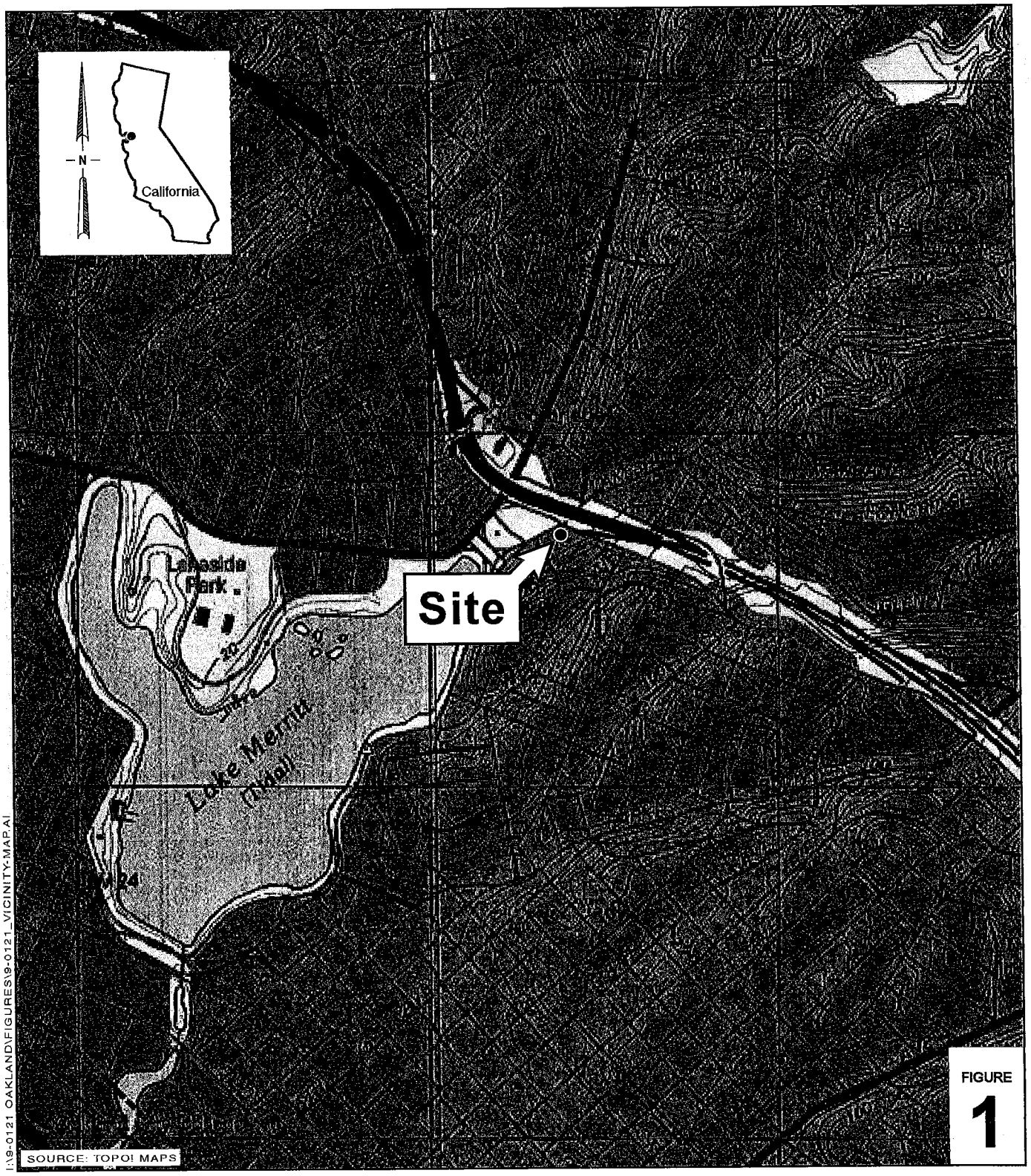
Tables: 1 – Analytic Results forGroundwater

Attachments: A – Regulatory Correspondence
B – Groundwater Analytic Reports

cc: Mr. Satya Sinha, Chevron Environmental Management Company, P.O. Box 6012, San Ramon, CA 94583
Mr. Todd Maiden, ReedSmith, Two Embarcadero Center, Suite 2000, San Francisco, CA 94111
Mr. Jim McCann, Diocese of Oakland, Facilites Planning & Services, 2900 Lake Shore Avenue, Oakland, CA 94610
Mr. Donald Ashton, Bureau Veritas North America, Inc., 6920 Koll Center Parkway, Suite 216, Pleasanton, CA 94566

I:\Chevron\9-0121 Oakland\Diocese of Oakland\9-0121 Sampling Report 07.07.doc

07/24/07



I:\9-0121 OAKLAND\FIGURES\9-0121_VICINITY-MAP.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Chevron Service Station 9-0121

3026 Lakeshore Avenue

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

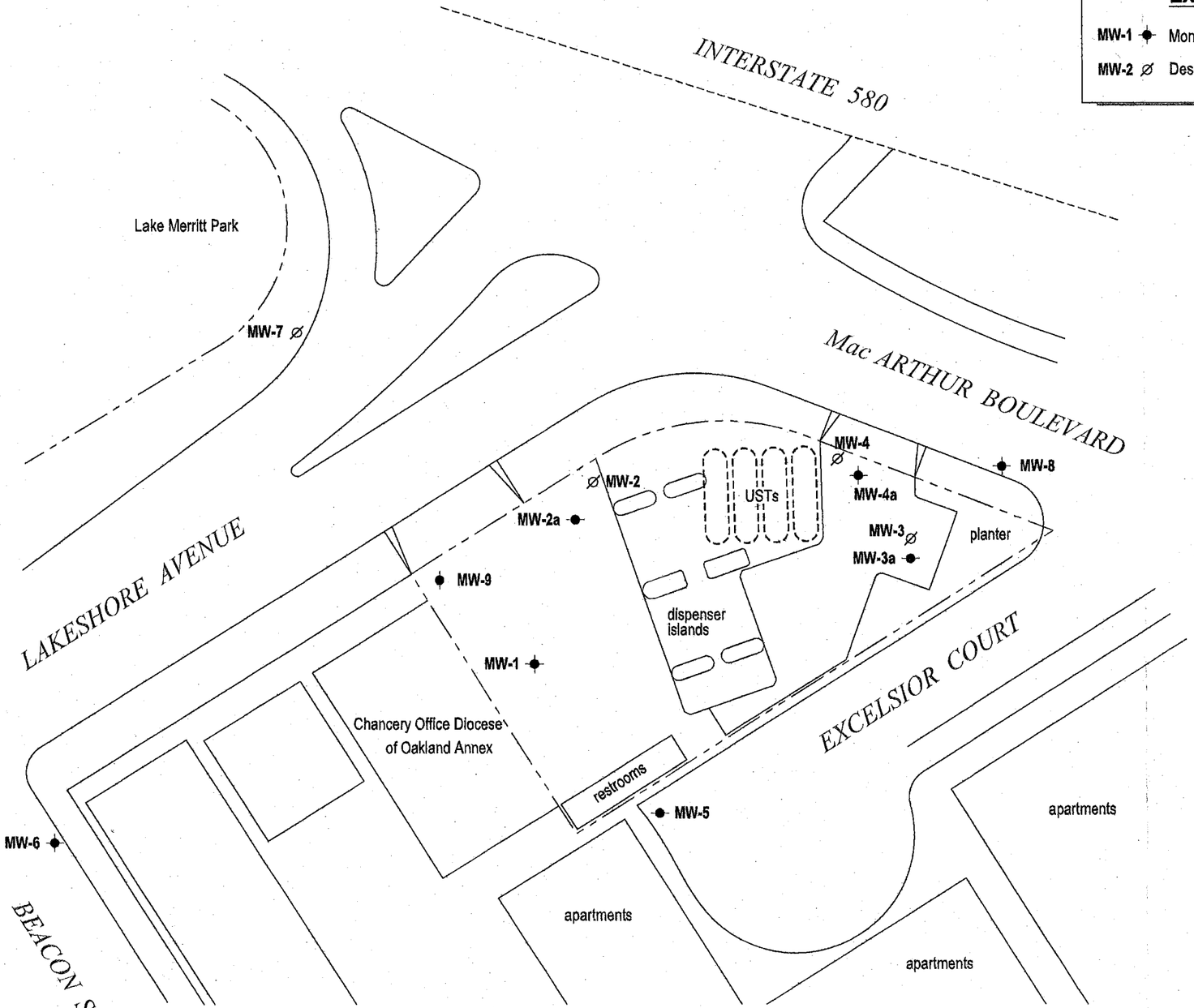
07/24/07

Site Plan

EXPLANATION

MW-1 ⊕ Monitoring well location

MW-2 ⌀ Destroyed monitoring well location



FIGURE

2

Chevron Service Station 9-0121

3026 Lakeshore Avenue

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

918-0121 OAKLAND\FIGURES\SITEPLAN.DWG

Table 1. Analytic Results for Groundwater - Chevron Station 9-0121, 3026 Lakeshore Avenue, Oakland, California

Sample ID	Sample Date	TPHg	TPHd	B	T	E	X[1]	MTBE	Ethanol	TBA	DIPE	ETBE	TAME	EDB	1,2-DCA
		Concentrations reported in micrograms per liter - µg/l													
Sump	05/30/07	**1,300**	**830**	1.0	1.0	2.0	4.0	28	130	12	<0.5	<0.5	<0.5	<0.5	<0.5
ESL's		500	640	46	130	290	100	1,800	50,000	18,000	NA	NA	NA	150	200

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) by modified EPA Method 8015M

Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), Methyl Tertiary Butyl Ether (MtBE), Ethanol, t-Butyl Alcohol (TBA), di-Isopropyl ether (DIPE), Ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), 1,2-Dibromoethane (EDB), 1,2-Dichloroethane (1,2-DCA) by EPA Method 8260B

1 = Total xylenes

<X = Not detected above method detection limit

Environmental screening levels (ESLs) published by San Francisco Bay Regional Water Quality Control Board in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater,* February 2005, where groundwater is NOT a current or potential source of drinking water.

NA = No ESL available

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ATTACHMENT A

Regulatory Correspondence

Bd6

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

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

October 1, 2006

AUG - 4 2006

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

Dear Mr. Sinha:

Subject: Fuel Leak Case RO0000284, Chevron Station 9-0121, 3026 Lakeshore Avenue, Oakland, CA

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the June 1, 2006 Subsurface Investigation Work Plan prepared by Cambria. The objective of the investigation is to determine the extent of petroleum hydrocarbons in soil and groundwater by advancing four soil borings to the northwest of the site. We request that you address the following technical comments when performing this work and submit the technical report requested below.

TECHNICAL COMMENTS

1. Off-site Building Impacts- Our office still has concerns regarding exposure of petroleum hydrocarbons to the neighboring building given the presence of a basement. Not much is known about the plastic vapor barrier installed along the site and the adjacent property boundary. Therefore, we request that Chevron continue to inspect/monitor the basement of the adjacent property on a semi-annual basis. Both liquid and soil vapors should be sampled and analyzed for petroleum hydrocarbons, if present. Please include the results of this inspection in your monitoring reports with a recommendation for on-site remediation if necessary.
2. MW-7 Status- Monitoring well MW-7 has either been unable to be located or paved over for a long period of time. We request that you locate and properly decommission this well as it has and does not add any additional information or understanding to the site.
3. Vertical Extent of Contamination- We request that you extend the proposed borings to at least 20' bgs to determine if high permeable lens are continuous beneath the nearby properties. If a deep permeable lens exists, we request that you sample groundwater and analyze for the same constituents as for the other samples. Soil samples should be screened at five foot intervals and analyzed if PID results indicate contamination.
4. Analytes- Please add the other oxygenates, TAME, ETBE, DIPE, TBA and EDB and EDC to the proposed list of analytes.

TECHNICAL REPORT REQUEST
Please submit your soil and groundwater report 60 days after completion of field activities.

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail.

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

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

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

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos
Mr. Robert Foss, Cambria, 5900 Hollis St., Suite A, Emeryville, CA 94608

8_1_06 3026 Lakeshore Ave

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT B

Groundwater Analytic Report

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 1040469. Samples arrived at the laboratory on Thursday, May 31, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description			Lancaster Labs Number
SUMP-W-070530	Grab	Water	5067624

ELECTRONIC COPY TO CRA Attn: Charlotte Evans

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

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

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. WW 5067624

SUMP-W-070530 Grab Water
Facility# 90121 CETE
3026 Lakeshore-Oakland T0600100328 SUMP
Collected:05/30/2007 10:29 by RS

Account Number: 10880

Submitted: 05/31/2007 10:15
Reported: 06/12/2007 at 01:03
Discard: 07/13/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LAKSU

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,300.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06610	TPH-DRO (Water) w/Si Gel	n.a.	830.	58.	ug/l	2
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	130.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	28.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	12.	2.	ug/l	1
05401	Benzene	71-43-2	1.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	1.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	2.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	4.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	06/01/2007 13:18	Steven A Skiles	1
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/05/2007 23:42	Tracy A Cole	2
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	06/05/2007 10:09	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/05/2007 10:09	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/01/2007 13:18	Steven A Skiles	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/01/2007 10:30	Olivia I Santiago	1

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. WW 5067624

SUMP-W-070530 Grab Water
Facility# 90121 CETE
3026 Lakeshore-Oakland T0600100328 SUMP
Collected:05/30/2007 10:29 by RS

Account Number: 10880

Submitted: 05/31/2007 10:15
Reported: 06/12/2007 at 01:03
Discard: 07/13/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LAKSU

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

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1040469
Reported: 06/12/07 at 01:03 AM

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: 071510027A	Sample number(s): 5067624							
TPH-DRO (Water) w/Si Gel	N.D.	29.	ug/l	89	93	63-119	4	20
Batch number: 07152A20A	Sample number(s): 5067624							
TPH-GRO - Waters	N.D.	50.	ug/l	104	106	75-135	2	30
Batch number: Z071562AA	Sample number(s): 5067624							
Ethanol	N.D.	50.	ug/l	78	77	39-161	2	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97	95	73-119	2	30
di-Isopropyl ether	N.D.	0.5	ug/l	91	91	70-123	0	30
Ethyl t-butyl ether	N.D.	0.5	ug/l	91	91	74-120	1	30
t-Amyl methyl ether	N.D.	0.5	ug/l	91	92	79-113	1	30
t-Butyl alcohol	N.D.	2.	ug/l	98	95	69-127	3	30
Benzene	N.D.	0.5	ug/l	90	90	78-119	0	30
1,2-Dichloroethane	N.D.	0.5	ug/l	92	91	77-132	1	30
Toluene	N.D.	0.5	ug/l	95	93	85-115	2	30
1,2-Dibromoethane	N.D.	0.5	ug/l	100	96	81-114	4	30
Ethylbenzene	N.D.	0.5	ug/l	97	95	82-119	2	30
Xylene (Total)	N.D.	0.5	ug/l	98	97	83-113	0	30

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07152A20A	Sample number(s): 5067624 UNSPK: 5067624								
TPH-GRO - Waters	151		63-154						
Batch number: Z071562AA	Sample number(s): 5067624 UNSPK: P067773								
Ethanol	89		41-159						
Methyl Tertiary Butyl Ether	127		69-127						
di-Isopropyl ether	123		68-129						
Ethyl t-butyl ether	123*		78-119						
t-Amyl methyl ether	121		72-125						
t-Butyl alcohol	121		64-130						
Benzene	127		83-128						
1,2-Dichloroethane	119		70-143						
Toluene	134*		83-127						
1,2-Dibromoethane	124*		78-120						
Ethylbenzene	134*		82-129						
Xylene (Total)	134*		82-130						

*- 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
Reported: 06/12/07 at 01:03 AM

Group Number: 1040469

Surrogate Quality Control

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

Analysis Name: TPH-DRO (Water) w/Si Gel
Batch number: 071510027A

	Orthoterphenyl
5067624	89
Blank	100
LCS	116
LCSD	128
Limits:	59-131

Analysis Name: TPH-GRO - Waters
Batch number: 07152A20A

	Trifluorotoluene-F
5067624	101
Blank	76
LCS	112
LCSD	112
MS	132
Limits:	63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH
Batch number: Z071562AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5067624	97	92	104	100
Blank	99	94	106	101
LCS	98	97	104	103
LCSD	99	100	106	101
MS	97	97	105	102
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

244044

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5067624 SCR#:

Group# 1040469

Q53007-04

Facility #: 9-0121 – ALL t.miller 6/4/07 kr CEvans
Site Address: 3026 Lakeshore Ave Oakland
Chevron PM: S Sinha Lead Consultant: CRA
Consultant/Office: CRA-Emeryville
Consultant Prj. Mgr.: CEvans
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: R Sparrow
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 + MTBE 8260 ☐ 8021 ☒	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates ☒ gel comments.	Lead 7420 ☐ 7421 ☐	#1 (8260)	Ethanol method 8260 per CEvans, t.Miller 6/4/07
SUMP	W			07 05 30	10:29	Y	X		8	X	X	X		X			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
MTBE, DIPE, TAME, TBA, ETBE.
EDB, EDC
Ethanol
(Please contact PM with appropriate method for ethanol TO verify)

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
	5/30/07	1115		5-30-07	1115
Relinquished by:	Date	Time	Received by:	Date	Time
	5-30-07	1325		5/30/07	1325
Relinquished by:	Date	Time	Received by:	Date	Time
	5/30/07	1530		5/30/07	
Relinquished by Commercial Carrier: UPS FedEx Other Dick			Received by:	Date	Time
				5/31/07	1015
Temperature Upon Receipt 1.5 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.