

February 13, 1989

Shell Oil Company
P.O. Box 4023
Concord, CA 94524

Attention: Ray Newsome

SITE:
Shell Oil
630 High Street
Oakland, California

PROJECT:
Confirmation samples
following additional excavation

SAMPLED ON:
February 3, 1989

SAMPLING REPORT 89034-C-1

OBJECTIVE SERVICES

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. does not participate in interpretation of analytical results or become involved with the marketing or installation of remedial systems. The interpretation of results should be performed by representatives of interested regulatory agencies and/or those professionals who are engaged as paid consultants in the business of providing opinions and proposals for further investigation or clean-up activities.

This report describes the environmental sampling and documentation performed by our firm on this project. In addition to the text of the Sampling Report, supporting documents are provided as attachments. These include the chain of custody and the certified analytical laboratory report. All of these documents should be kept together and preserved as a file of interrelated records which, together, comprise the documentation of the work performed at the site.

Background

Our field personnel first visited the subject site on Thursday, January 26, 1989, to obtain soil samples from beneath the product lines and the product dispensing islands. A total of nine samples were collected from the product line trench and the three western dispenser pump islands. Two soil samples were collected from the eastern dispenser island area, where two dispenser pump islands had been located at some point in the past. Finally, a soil sample was collected from an area that smelled of gasoline, but was not closely associated with either the product dispensing pump islands or the product line trench. Discussion of this sampling activity can be found in Blaine Tech Services, Inc. Sampling Report No. 89026-C-1.

Scope of Requested Services

In accordance with your request, field personnel would be dispatched to the site to obtain additional soil samples from the area of the product line trench and the product dispensing pump islands. In addition, our personnel would arrange for the proper analyses of the samples, and maintain adequate documentation resulting in the issuance of a formal Sampling Report. The collection of environmental samples was to be performed in accordance with the requirements of the State Water Resources Control Board.

Execution of the Work

Field personnel were dispatched from our office and arrived at the subject site on Friday, February 3, 1989, to perform the requested sampling. Our personnel found that several of the areas sampled during our previous site visit had been more extensively excavated. While our field personnel were present at the site, the gasoline and waste oil tank pits associated with the service station previously located on the eastern portion of the property were excavated and soil samples obtained.

Sampling began in the area of the product line trench and the dispenser pump islands. This product line trench runs eastward connecting the current gasoline tank pit with three dispensing pump islands. The area of the dispenser pump island closest to the tank pit had been excavated and a three foot (3') deep slot trench excavated from the island area westward for approximately twenty five feet (25'). Soil from the floor (Sample #1) and from the northern wall (Sample #2) of the excavated island area were taken at a depth of three feet (3') below grade level. Four samples (Samples #3, #4, #5, and #6) were obtained from the western wall of the slot trench, also at a depth of three feet (3') below grade level. These samples were obtained with a hand driven soil core sampler.

In its eastward run, the product line trench connects with two other dispenser pump island areas. The first of these island areas, the middle of the three dispenser pump islands, was not sampled during this site visit. The area of the third, or easternmost, dispenser pump island had been excavated to a depth of approximately two feet (2') below grade level. Soil from the floor of this excavated area was collected as Sample #10. This sample was obtained with a hand driven soil core sampler.

In the southeastern corner of the site, in the area thought to have previously been occupied by a gasoline tank pit associated with the earlier service station, a slot trench approximately four feet (4') wide and thirty eight feet (38') in length was dug to a depth between eleven and thirteen feet (11' - 13') below grade level. Three samples were obtained from the floor of the trench. Sample #7 was taken near the southeast end of the trench at eleven feet (11') below grade. Sample #9 was taken near the middle of the trench run at eleven feet (11') below grade. Sample #11 was taken from the northwest end of the trench at a depth of thirteen feet (13') below grade level. These samples were obtained with a hand driven soil core sampler.

One sample of soil material (Sample #8) was obtained from the spoils pile generated by the excavation of this trench. This sample was believed to be representative of the material being excavated from the trench. The sample was taken because, after the completion of the sampling activity, the material of the spoils pile was returned to the trench.

A waste oil tank was also believed to have been associated with the former service station. The area where this tank was believed to have been located was excavated to a depth of six feet (6') below grade, and one sample (Sample #12) was obtained from the floor of the excavation. This sample was obtained with a hand driven soil core sampler.

The location of individual sampling points is shown on diagram two on page five. Additional information on the exact method of sample collection will be found in the **Sampling Methodology** section of this report.

Analysis of the soil samples was conducted on the site at the time of the sampling. The analytical procedures were performed by Mobile Chem Labs, Inc., of San Carlos, California. Mobile Chem Labs, Inc. is a California Department of Health Services certified Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #289.

It was requested that the analytical procedures used for these analyses be those specified by the Regional Water Quality Control Board -- San Francisco Bay Region. The methods are defined in attachments to the San Francisco RWQCB (Region 2) publication, Guidelines For Addressing Fuel Leaks and in documents issued to clarify the Board's interpretation of the California LUFT Manual.

DIAGRAM ONE

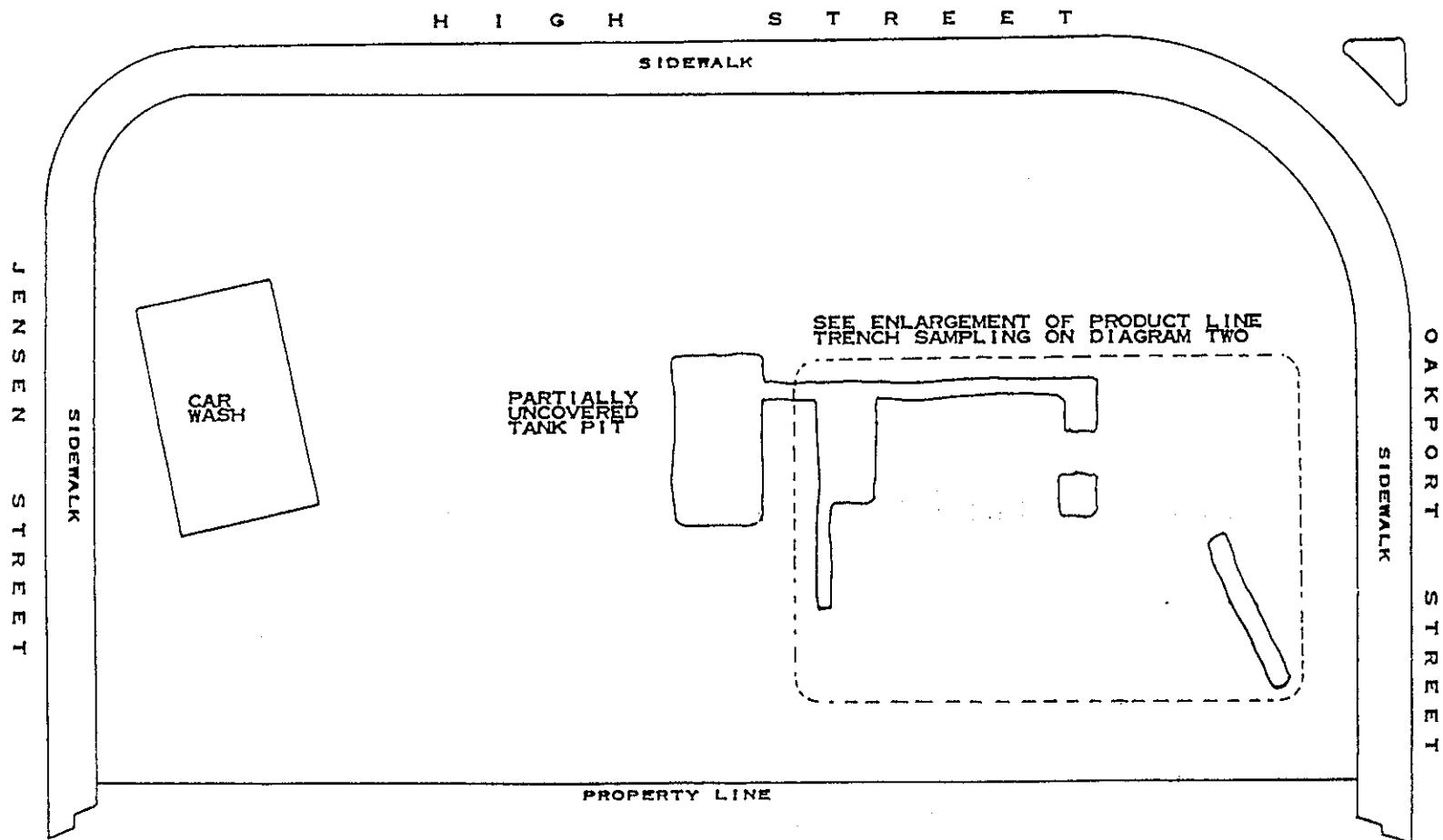
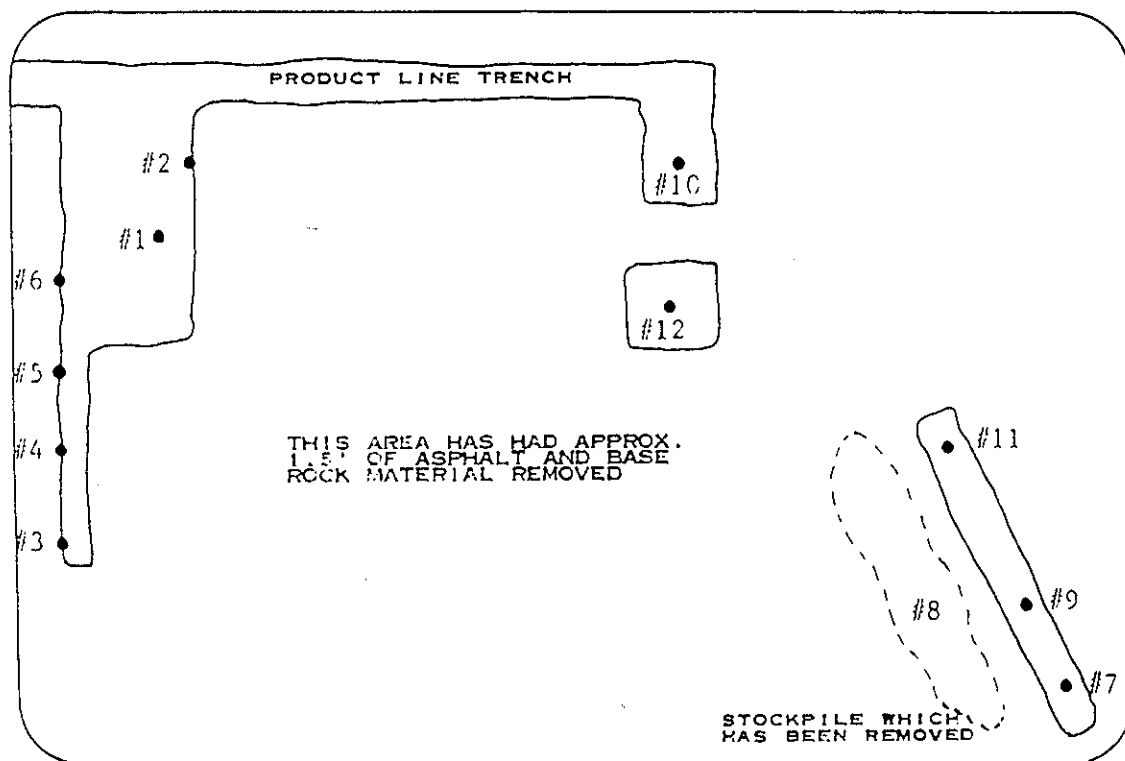


DIAGRAM TWO

SCALE: 0 20'

MAP REF: THOMAS BROS.
ALAMEDA CO.
P. 12 A-4



ENLARGEMENT OF PRODUCT LINE TRENCH SAMPLING

SAMPLING PERFORMED BY STEVE CARTER
DIAGRAM PREPARED BY BRENT ADAMS

- #1 SOIL SAMPLE FROM 3' ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE, BENZENE, TOLUENE, XYLENES AND ETHYL BENZENE (BTXE) AT MOBIL CHEM LAB
- #2 SOIL SAMPLE FROM 3' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #3 SOIL SAMPLE FROM 3' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #4 SOIL SAMPLE FROM 3' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #5 SOIL SAMPLE FROM 3' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #6 SOIL SAMPLE FROM 3' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #7 SOIL SAMPLE FROM 11' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- *#8 SOIL SAMPLE FROM THE SOUTHEASTERN TRENCH ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #9 SOIL SAMPLE FROM 11' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #10 SOIL SAMPLE FROM 2' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #11 SOIL SAMPLE FROM 13' ANALYSIS FOR TPH AS GASOLINE AND BTXE
- #12 SOIL SAMPLE FROM 6' ANALYSIS FOR TOTAL OIL AND GREASE, TPH AS DIESEL, AND EPA 8210

*NOTE: SAMPLE #8 WAS FROM A PILE OF MATERIAL REMOVED WHILE DIGGING THE TRENCH IN THE SOUTHEAST CORNER OF THE LOT. THIS SAMPLE SHOULD REPRESENT ABOUT THE HIGHEST TPH LEVELS OF THE MATERIAL REMOVED. THIS MATERIAL HOWEVER WAS PUT BACK IN THE TRENCH AT THE COMPLETION OF THE SAMPLING.

SAMPLING METHODOLOGIES USED ON THIS PROJECT

Hand Driven Core Sampling: This is another term for the sampling methodology that is often called undisturbed soil sampling. This is the generally preferred sampling method for both geotechnical and environmental investigations because the method captures a relatively undisturbed cylinder of soil which can be retained in its sealed brass liner during transport to a laboratory for very precise examination. Whether driven by a drill rig or a much smaller hand operated slide hammer, the principle attributes of the methodology remain the same.

Because of the tons of force which can be exerted by a drill rig, the samplers, drill rod and hammers are, necessarily, quite massive. Apparatus used in hand augered borings is usually much lighter and more subject to wear and breakage. Specialized hand tools that enable a person to drive samples consist of a sampling shoe (which contains the brass liners), light weight drill rod, and a small slide hammer. These hand operated drive samplers collect samples in the same two inch diameter brass liners used in many drill rig samplers, but collect only a four or six inch long core rather than twelve to twenty four inches of soil commonly obtained by drilling apparatus.

Common uses for hand operated drive samplers include all those applications where an undisturbed soil sample is desired. Typical applications include the collection of soil samples from the bottom of a hand augered boring, capillary zone sampling where a drill rod is used to extend the sampler across an open pit to a selected location on the wall of the excavation, and when sampling soil from the backhoe bucket that is too hard to allow a brass sample liner to be pushed into the soil by hand.

In practice, the sampler is usually overdriven and then retracted. Then the sampler is removed from the drill rods and hammer, opened, and the sample contained in the brass sample liners removed. Samples to be analyzed for environmental hazards are treated according to the same sample handling protocol as all other environmental samples.

SAMPLE CONTAINERS

Our firm uses new sample containers of the type specified by either EPA or the RWQCB for the collection of samples at sites where underground storage tanks are involved. Soil samples for volatile, semivolatile and nonvolatile analyses are all collected in properly prepared new brass liners which are 2 inches in diameter by 4 inches in length. Closure is accomplished with press fit plastic end caps which are fitted to the open ends of brass tube liners after a sheet of aluminum foil is wrapped over the exposed sample material. A non-contributing/nonsubtractive tape is wrapped completely around the joint areas where the plastic caps meet the outer wall of the brass tube. No preservative other than cold storage is used on samples captured in sample containers of this type.

SAMPLE HANDLING PROCEDURES

Solid sample material is captured by advancing the liner into the soil. This may be done by pushing the liner into soft soils or by containing the liner in a drive shoe which can be advanced and then retracted by means of a slide hammer. The open ends of the sample

liner are covered with aluminum foil and plastic end caps. Excess aluminum foil is removed and the edge of the plastic end caps is tightly sealed against the outer surface of the brass liner with an unbroken wrap made with a tape which has been tested to confirm that it does not contribute compounds that would be detected in the type of analyses intended for the sample contained inside of the brass liner. The brass liner is then labeled with the appropriate identification numbers which specify the sampling activity designation number, sample collection area, depth etc. that apply to that particular sample. Because the analyses were being performed on-site at the time of the sampling, the sample liner is then immediately turned over to the mobile laboratory personnel.

SAMPLE DESIGNATIONS

All sample containers are identified with both an activity number and a discrete sample identification number. Please note that the activity number is the number that appears on our chain of custody. It is roughly equivalent to a job number, but applies only to work done on a particular day of the year rather than spanning several days as an actual activity often does. This is followed by the sample I.D. number which is usually a simple number such as #1, #2, #3.

CHAIN OF CUSTODY

In general, samples are continuously maintained in either a chilled ice chest, refrigerator, or freezer from the time of collection until acceptance by the State certified Hazardous Materials Testing Laboratory selected to perform the analytical procedures. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date, and signature of person releasing the samples followed by the time, date and signature of the person accepting custody of the samples).

In this case, a mobile laboratory was present at the site and the analytical procedures were being performed immediately following the collection of the samples. The samples were turned over to the mobile laboratory capped, and sealed. The time the sample was turned over to the laboratory was noted on the left side of the chain of custody adjacent to the sample number. Acceptance of the samples by the mobile laboratory personnel was testified to by the signature at the bottom of the chain of custody which was affixed at the completion of the sample collection activity.

LABORATORY IDENTIFICATION NUMBERS

Following receipt of the samples and completion of the Chain of Custody form, the laboratory then assigns their own identification numbers to the samples. Different laboratories use different numbering systems and, according to their own internal conventions, may or may not assign sequential numbers to samples which are placed on temporary "hold", pending the results of other analyses. Laboratory identification numbers (if assigned and available) are included on the DIAGRAM, and will be found on the certified analytical report by the analytical laboratory.

CERTIFIED ANALYTICAL REPORT

The certified analytical report (CAR) generated by the laboratory is the official document in which they issue their findings. The Results of Analyses section of the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS should correspond exactly with the laboratory's CAR. Any discrepancy between analytical values should be decided in favor of the CAR, for while it may, itself, be in error with regard to a particular number, the CAR remains the recognized document until such time as it is amended with a corrected report.

The certified analytical report should also be reviewed when samples are taken from below waste oil tanks as any detection of the EPA halogenated and purgeable aromatic compounds may be grounds for requiring further action. Also the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS is insufficiently spacious to allow anything more than a simple listing of the detected compounds. The TABLE does not include such information as the detection limits at which other compounds were not detected. The full text of the laboratory report will be found in Section Four of this report.

REPORTAGE

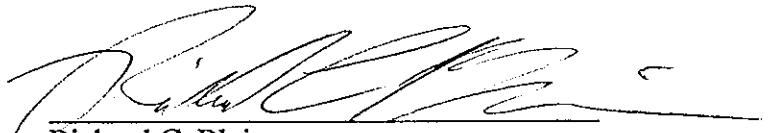
Submission to the Regional Water Quality Control Board and the local implementing agency should include copies of the sampling report, the chain of custody, and the certified analytical report issued by the Hazardous Materials Testing Laboratory. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, CA 94607
ATTN: Greg Zentner

Alameda County Health
Hazardous Materials Management
420 27th Street
Oakland, CA 94612
ATTN: Ariu Levi

Please call if we can be of any further assistance.



Richard C. Blaine

RCB/dmp

attachments: supporting documents

**BLAINE
TECH SERVICES INC.**

1370 TULLY ROAD, SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

CHAIN OF
CUSTODY #

870-541

SITE

SPECIFICATION Shell Oil station
630 High Street
Oakland, CA

() Bill BLAINE TECH SERVICES, Inc.
(X) Bill Shell Oil

SPECIAL INSTRUCTIONS

TIME
SUBMITTED

TIME SUBMITTED	SAMPLE I.D.	QUANTITY	TYPE	OK	ANALYSIS TO DETECT	STATUS	RESULTS	LAB NUMBER
12:25	1	1	Soil		TPH (gas), BTXE			
12:30	2	1	Soil		TPH (gas), BTXE			
12:50	3	1	Soil		TPH (gas), BTXE			
13:16	4	1	Soil		TPH (gas), BTXE			
13:32	5	1	Soil		TPH (gas), BTXE			
13:48	6	1	Soil		TPH (gas), BTXE			
14:04	7	1	Soil		TPH (gas), BTXE			
14:32	8	1	Soil		TPH (gas), BTXE			
14:44	9	1	Soil		TPH (gas), BTXE			
15:54	10	1	Soil		TPH (gas), BTXE			
16:20	11	1	Soil		TPH (gas), BTXE			
16:30	12	1	Soil		TOC, TPH (diesel), 8240			

Field sampling
was performed by

Stephen J. Carter

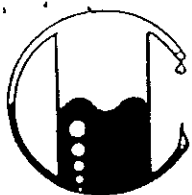
Sampling was
completed at

16:39 AM/PM 2-3-1988

RELEASE OF SAMPLES FROM (name, time, date) ----->>>> INTO THE CUSTODY OF (name, time, date)

from *J. Carter* @ 16:40 AM/PM 2/3-88 -> *Shell Oil* @ 16:40 AM/PM 2/3-88
from @ : AM/PM -88 -> to @ : AM/PM -88
from @ : AM/PM -88 -> to @ : AM/PM -88

The laboratory designated to perform these analyses is: *M. J. ...* IRIS HMTL # *...*
NOTE: Procedures and detection limits must conform to EPA/OCB Region *...* specifications.
Please include chain of custody number and site specification on reports and invoices.



MOBILE CHEM LABS INC.

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Shell Oil Company
P.O. BOX 4023
Concord, CA 94524
Attn: Ray Newsome

Date Sampled: 02-03-89
Date Received: 02-03-89
Date Reported: 02-03-89

Sample Number

V029001

Sample Description

89034C1-Oakland
630 High St.
#1 SOIL

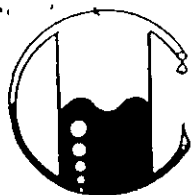
ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	8.0
Benzene	0.1	0.6
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	1.5

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Shell Oil Company
P.O. BOX 4023
Concord, CA 94524
Attn: Ray Newsome

Date Sampled: 02-03-89
Date Received: 02-03-89
Date Reported: 02-03-89

Sample Number

V029002

Sample Description

89034C1-Oakland
630 High St.
#2 SOIL

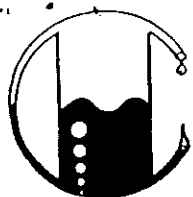
ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	2.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 02-03-89
Date Received: 02-03-89
Date Reported: 02-03-89

Sample Number

V029003

Sample Description

89034C1-Oakland
630 High St.
#3 SOIL

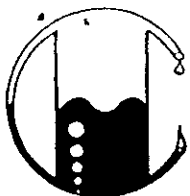
ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	4.5
Benzene	0.1	0.2
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Attn: Ray Newsome

Date Sampled: 02-03-89
Date Received: 02-03-89
Date Reported: 02-03-89

Sample Number

V029004

Sample Description

89034C1-Oakland
630 High St.
#4 SOIL

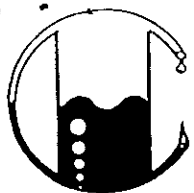
ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	3.0
Benzene	0.1	0.2
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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P.O. BOX 4023
Concord, CA 94524
Attn: Ray Newsome

Date Sampled: 02-03-89
Date Received: 02-03-89
Date Reported: 02-03-89

Sample Number

V029005

Sample Description

89034C1-Oakland
630 High St.
#5 SOIL

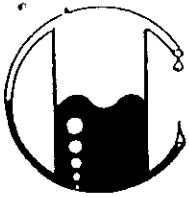
ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	3.6
Benzene	0.1	0.2
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Attn: Ray Newsome

Date Sampled: 02-03-89
Date Received: 02-03-89
Date Reported: 02-03-89

Sample Number

V029006

Sample Description

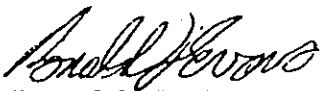
89034C1-Oakland
630 High St.
#6 SOIL

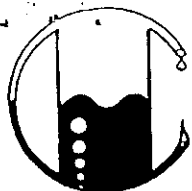
ANALYSIS

	Detection Limit	Sample Results
	----- ppm	----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 02-03-89
Date Received: 02-03-89
Date Reported: 02-03-89

Sample Number

V029007

Sample Description


89034C1-Oakland
630 High St.
#7 SOIL

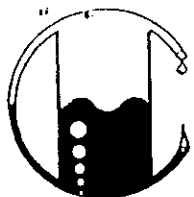
ANALYSIS

	Detection Limit	Sample Results
	----- ppm	----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	37
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	0.5
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 02-03-89
Date Received: 02-03-89
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Sample Number

V029008

Sample Description

89034C1-Oakland
630 High St.
#8 SOIL

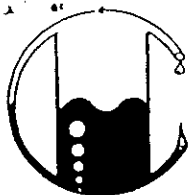
ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	19
Benzene	0.1	0.1
Toluene	0.1	<0.1
Xylenes	0.1	1.3
Ethylbenzene	0.1	0.4

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 02-03-89
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Date Reported: 02-03-89

Sample Number

V029009

Sample Description

89034C1-Oakland
630 High St.
#9 SOIL

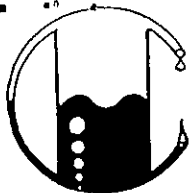
ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	25
Benzene	0.1	0.1
Toluene	0.1	<0.1
Xylenes	0.1	1.0
Ethylbenzene	0.1	0.5

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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Date Sampled: 02-03-89
Date Received: 02-03-89
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Sample Number

V029010

Sample Description

89034C1-Oakland
630 High St.
#10 SOIL

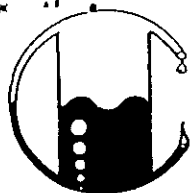
ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	75
Benzene	0.1	3.6
Toluene	0.1	1.5
Xylenes	0.1	13
Ethylbenzene	0.1	7.1

Note: Analysis was performed using EPA methods 5020 and 8015 with
method 8020 used for BTX distinction.

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Shell Oil Company
P.O. BOX 4023
Concord, CA 94524
Attn: Ray Newsome

Date Sampled: 02-03-89
Date Received: 02-03-89
Date Reported: 02-03-89

Sample Number

V029011

Sample Description

89034C1-Oakland
630 High St.
#11 SOIL

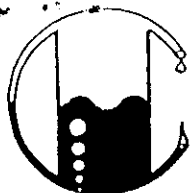
ANALYSIS

	Detection Limit	Sample Results
	----- ppm	----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	42
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	1.2
Ethylbenzene	0.1	0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with
method 8020 used for BTX distinction.

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Shell Oil Company
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Concord, CA 94524
Attn: Ray Newsome

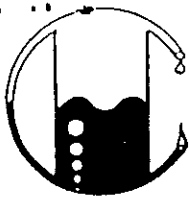
Date Sampled: 01-03-89
Date Received: 01-03-89
Date Reported: 01-04-89

<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u>	<u>Gravimetric Waste Oil as Petroleum Oil</u>
		ppm	ppm
	89034C1-Oakland 630 High St.		
V029012	#12	50	600

Note: Analysis was performed using EPA extraction method 3510 with Trichlorotrifluoroethane as solvent, and gravimetric determination by standard methods 503e

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Lab Director



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733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Shell Oil Company
P.O. BOX 4023
Concord, CA 94524
Attn: Ray Newsome

Date
Date F
Date F

This page has
in correct "Date
Sampled" and

"Sample Description"

Sample Number	Sample Description	Detection Limit	T Hydr
	89034C1-Oakland 630 High St.	ppm	
V029012	MW-1	10	79

Ray- 2/16
We have informed
Mobile Chem that the
"Sample Description" on
this page of the lab
report is incorrect.
Mobile Chem has
corrected this page and
is sending a corrected
copy to you.

Note: Analysis was performed using EPA methods 3550 and 8015

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Mobile Chem Labs, Inc.
733 Dartmouth Avenue
San Carlos, CA 94070
Attention: Joy

Client Project ID: 89034CI, S.O.S. - Oakland
Sample Descript: Soil, V029012
Analysis Method: EPA 8240
Lab Number: 902-0449

Sampled: Feb 3, 1989
Received: Feb 6, 1989
Analyzed: Feb 6, 1989
Reported: Feb 6, 1989

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Acetone.....	500.0	N.D.
Benzene.....	100.0	N.D.
Bromodichloromethane.....	100.0	N.D.
Bromoform.....	100.0	N.D.
Bromomethane.....	100.0	N.D.
2-Butanone.....	500.0	N.D.
Carbon disulfide.....	100.0	N.D.
Carbon tetrachloride.....	100.0	N.D.
Chlorobenzene.....	100.0	N.D.
Chlorodibromomethane.....	100.0	N.D.
Chloroethane.....	100.0	N.D.
2-Chloroethyl vinyl ether.....	500.0	N.D.
Chloroform.....	100.0	N.D.
Chloromethane.....	100.0	N.D.
1,1-Dichloroethane.....	100.0	N.D.
1,2-Dichloroethane.....	100.0	N.D.
1,1-Dichloroethene.....	100.0	N.D.
Total 1,2-Dichloroethene.....	100.0	N.D.
1,2-Dichloropropane.....	100.0	N.D.
cis 1,3-Dichloropropene.....	100.0	N.D.
trans 1,3-Dichloropropene.....	100.0	N.D.
Ethylbenzene.....	100.0	N.D.
2-Hexanone.....	500.0	N.D.
Methylene chloride.....	100.0	N.D.
4-Methyl-2-pentanone.....	500.0	N.D.
Styrene.....	100.0	N.D.
1,1,2,2-Tetrachloroethane.....	100.0	N.D.
Tetrachloroethene.....	100.0	N.D.
Toluene.....	100.0	N.D.
1,1,1-Trichloroethane.....	100.0	N.D.
1,1,2-Trichloroethane.....	100.0	N.D.
Trichloroethene.....	100.0	N.D.
Trichlorofluoromethane.....	100.0	N.D.
Vinyl acetate.....	100.0	N.D.
Vinyl chloride.....	100.0	N.D.
Total Xylenes.....	100.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director