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Mohammad Bazzargani

February 11, 2002

Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, Ca. 94502

ATTN: MR. AMIR K. GHOLAMI

SITE: FORMER MOBIL STATION 04-334
~~██~~
CASTRO VALLEY, CALIFORNIA

RE: PREVIOUS SITE INVESTIGATION

Dear Mr. Gholami:

Please find enclosed a copy of the ~~Site Assessment Report~~ (TRC, September 1999), for the former Mobil Station 04-334, located at 2492 Castro Valley Boulevard, Castro Valley, California. Per your request, a copy of Thrifty Oil Company's *Third Quarter 1999, Status Report*, for the Thrifty Oil Co. Site #054 located at 2504 Castro Valley Boulevard, Castro Valley, California is also enclosed.

As discussed in our telephone conversation on February 8, 2002, the Site Assessment Report includes a brief discussion of site history, a summary of previous investigations performed, a description of assessment activities, tabulated summaries of analytical data, and copies of laboratory reports. ~~This report represents the most recent site activity performed by TRC.~~

The ~~Thrifty Oil Co. Site #054 is located east of the former Mobil Station 04-334.~~ The *Third Quarter 1999, Status Report* represents the most recent available data for the Thrifty site, and indicates that the local groundwater gradient is generally to the east/southeast. Well RS-9, located across Stanton Avenue (near Former Mobil Station 04-334) appears to be an upgradient well from the Thrifty site. A summary of available analytical data for RS-9, dating from 1991 to 1999, is included in Table 1 of the enclosed quarterly report.

Based on a review of analytical data provided in the enclosed reports, an evaluation of the Former Mobil Station 04-334 for closure is requested.

If you have any questions or require additional information, please contact Jonathan Scheiner or myself at (925) 688-1200.

Thank you,

Steve Kemnitz
Staff Scientist

Jonathan Scheiner
Associate

Enclosures



**TRC Alton
Geoscience**

5052 Commercial Circle*
Concord, California 94520
Telephone 925-688-1200
Facsimile 925-688-0388

September 3, 1999

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

**SITE: FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA**

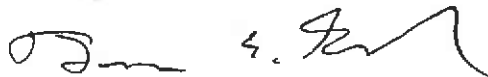
RE: INITIAL SITE ASSESSMENT REPORT

Dear Mr. Seery:

Please find enclosed one copy of the Initial Site Assessment Report for the former Mobil Station 04-334, located at 2492 Castro Valley Boulevard, Castro Valley, California. Please call me at (925) 688-2474 if you have any questions regarding this report.

Sincerely,

ALTON GEOSCIENCE



Thomas E. Seeliger
Associate

enclosure

cc: Ms. Cherine Foutch, Mobil Business Resources Corporation
Ms. Paula Floeck, Jiffy Lube International
Mr. Brian Klarman, Jiffy Lube
Mr. Charles Rosolio, Church & Houff, P.A. Law Offices
Mr. William Slantterback, Cal Lube Real Estate Limited Partnership I

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PROFESSIONAL
ALTON GEOSCIENCE

INITIAL SITE ASSESSMENT REPORT
September 3, 1999

FORMER MOBIL STATION 04-334
2492 Castro Valley Boulevard
Castro Valley, California

Alton Project No. 41-0115-60

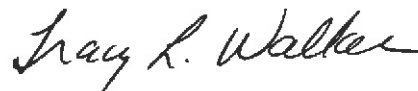
Prepared For:

MOBIL BUSINESS RESOURCES CORPORATION
2063 Main Street, No. 501
Oakley, California 94561

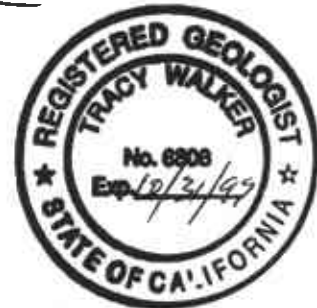
By:



Christopher K. Smiga
Senior Staff Scientist



Tracy Walker, RG
Associate



TRC/ALTON GEOSCIENCE
5052 Commercial Circle
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- A Boring Logs, Waste Manifest, Drilling Permit Application, and Field Procedures
- B Laboratory Reports, Quality Assurance/Quality Control (QA/QC) Reports, and Chain-Of-Custody Records.

1.0 INTRODUCTION

Alton Geoscience submits this report of initial site assessment activities conducted at the former Mobil Station 04-334 Site, located at 2492 Castro Valley Boulevard, Castro Valley, California (Figure 1). These activities were conducted in accordance with the Site Assessment Work Plan dated July 17, 1997 (Alton, 1997), and with the approval of the Alameda County Health Care Services Agency (ACHCSA) letter dated January 22, 1999.

The objective of this subsurface investigation was to characterize the lateral and vertical extent of the hydrocarbon concentrations in soil beneath the Site, and to characterize the lateral extent of dissolved-phase hydrocarbons beneath the Site.

2.0 SITE DESCRIPTION

Present Site Use: The Site is currently a Jiffy Lube oil change service facility.

Past Site Use: In 1956, two 6,000-gallon underground storage tanks (USTs) and one waste oil UST were installed. The Site was operated as a service station by Mobil Oil Company from 1957 to 1983 and an 8,000-gallon UST was installed in 1971. In 1983, all three gasoline USTs and the waste oil UST were removed. The property was then divested to Jiffy Lube International a short time later.

Future Site Use: The Site is expected to continue its present use as a Jiffy Lube facility.

Adjacent Properties: The Site lies in a predominantly commercial district. To the west lies a Big-O Tire retail facility. To the east, across Stanton Avenue from the Site, is a Tosco 76 Service Station (former Thrifty Oil Company Station No. 054). To the north, is a daycare facility. To the south, across Castro Valley Boulevard, is a Wendy's Restaurant. The Thrifty Oil Company Station is an active environmental case, and has twelve groundwater monitoring wells, including monitoring well RS-9 which is adjacent to the former Mobil Station.

Geography: The site is located on the northwest corner of the intersection of Castro Valley Boulevard and Stanton Avenue. The Site is situated on gently sloping, northeast trending topography, and is located near the base of the northeast flank of a series of low lying northwest trending foothills separating Castro Valley from Hayward (KEI, 1992).

Geology: The subject site is underlain by Quaternary-age alluvium. Mapped bedrock outcrops adjacent to the site include the marine Panoche Formation (Kpc), which is described as a conglomerate with a sandstone matrix and the

Initial Site Assessment Report

Former Mobil Station 04-334

September 3, 1999

Knoxville Formation (Jkk), which is described as micaceous shale with thin beds of sandstone (Alton, 1997).

Hydrogeology: The Site is located in the Castro Valley Groundwater Basin which is a 4-square-mile basin that is drained by San Lorenzo Creek (DWR, 1975). Near-surface groundwater at the Site was between 3 and 10 feet below grade (fbg) during the site assessment on March 3, 1999. Groundwater flow at the Tosco 76 Service Station located southwest of the subject site, is generally directed to the east-northeast at a gradient of 0.016 foot per foot (KEI, 1992).

Groundwater Usage: One domestic well is located approximately one-quarter mile east of the Site at 2807 Castro Valley Boulevard. The diameter of this well is 6 inches with a total depth of 283 fbg. This well was installed in October 1975 and it is not known whether it is still in use. There are no other municipal, industrial, or agricultural wells within one-half mile of the Site.

Surface Water: A tributary of San Lorenzo Creek is located approximately 1,000 feet northeast of the site while South Reservoir is located 2,500 feet southeast of the Site.

3.0 PREVIOUS WORK AND BACKGROUND SITE CONDITIONS

- Three fuel USTs and one waste oil UST were removed from the Site in 1983 and soil samples were collected only for geotechnical and physical analysis for compaction of the tank cavity (Alisto, 1997).
- A geotechnical assessment was conducted in 1986 by Giles Engineering Associates, Inc on behalf of California Lubricants Ltd. and borings B-1 through B-6 were drilled and sampled. Slight to moderate petroleum odors were noted from 3 to 8.5 fbg while drilling in the backfill and former tank excavation (Alisto, 1994). No soil samples were submitted for analysis during this assessment.

4.0 FIELD INVESTIGATIVE ACTIVITIES

4.1 SOIL BORINGS AND SOIL AND GROUNDWATER SAMPLE COLLECTION

On March 4, 1999, five Geoprobe™ borings (AB-1 through AB-5) were advanced to total depths ranging from 16 to 20 fbg at the locations shown on Figure 2. Borings AB-2, AB-3, and AB-5 had Geoprobe™ refusal at 16 fbg. Soil samples were collected at five-foot depth intervals beginning at a depth of approximately 5 fbg. These samples were screened for hydrocarbon vapor concentrations using a portable flame ionization detector (FID). Descriptions of the soil samples were made using the

bedrock?

Initial Site Assessment Report

Former Mobil Station 04-334

September 3, 1999

Unified Soil Classification System (UCCS), and recorded on the boring logs along with the hydrocarbon screening results (Appendix A).

Once total depth was achieved, each boring was allowed to remain open until a groundwater sample could be collected the following day (March 5, 1999) due to slow groundwater recharge. Using a stainless steel bailer through a temporary 3/4-inch diameter casing, a "grab-type" groundwater sample was collected from each boring (Table 2). Following completion of the sampling activities, the temporary casings were removed and each boring was sealed from total depth to two feet above the static groundwater level using a oxygen releasing compound (Regenis ORC™) slurry while neat cement was placed from the top of the ORC™ slurry to the surface. Refer to Appendix A for a description of the field procedures, an outline of the USCS, copies of the soil boring logs, and a copy of the drilling permit application.

4.2 LABORATORY ANALYSES AND ANALYTICAL METHODS

Soil samples were collected from depths ranging from 5 to 20 fbg (Table 1), and groundwater samples were collected from all five of the borings (Table 2). These soil and groundwater samples were preserved onsite and submitted to a state-certified laboratory for analysis for:

- total petroleum hydrocarbons (TPHg) using EPA Method 8015 modified for gasoline;
- total petroleum hydrocarbons (TPHd) using EPA Method 8015 modified for diesel;
- benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8020; and
- methyl tert-butyl ether (MtBE) using EPA Method 8020A, with the highest detection of MtBE confirmed by EPA Method 8260.

Soil and groundwater samples collected from the boring in the waste oil tank area were also analyzed for:

- total oil and grease (TOG) by EPA Method 5520; and
- halogenated volatile organic compounds (HVOC) using EPA Method 8010.

In addition, soil in the waste oil tank area was also analyzed for CAM 17 (Title 22) metals using EPA Method 200.7.

Refer to Appendix B for copies of the official laboratory reports, quality assurance/quality control (QA/QC) reports, and the chain-of-custody records.

Initial Site Assessment Report

Former Mobil Station 04-334

September 3, 1999

5.0 FINDINGS

The results of this subsurface investigation are summarized as follows.

Soil Results

- Soil types encountered during drilling consisted of clays, silty clay containing varied amounts of gravel to 1/4-inch in diameter, clayey to sandy silt, silty sand, and silty gravel.
- Gasoline hydrocarbon concentrations were detected in soil samples collected from AB-4 (Figure 5) at 4.0-5.0 fbg (1,100 mg/kg) and at 10.0-11.0 fbg (2,600 ng/kg) (Table 1). The samples collected from 4.0-5.0 fbg from borings AB-1 and AB-3 contained TPHg concentrations of 3.2 and 280 mg/kg, respectively. Borings AB-2 and AB-5 did not contain detectable levels of gasoline-range hydrocarbons.
- TPHd concentrations were detected only in borings AB-3 and AB-4. The highest concentration of TPHd (700 mg/kg) was detected in AB-4 at 10.0-11.0 fbg.
- Benzene was only detected in AB-4 with the highest concentration being 3.4 mg/kg at 10.0-11.0 fbg.
- MtBE was detected in soil samples AB-3 (0.4 mg/kg at 4.0-5.0 fbg) and AB-4 (8 mg/kg at 10.0-11.0 fbg) using EPA Method 8020A. Confirmation analysis of the soil sample from AB-4 (10.0-11.0 fbg) using EPA Method 8260, showed non detectable concentrations of MtBE; thereby, confirming a "false" positive by method 8020A. MtBE =
"ND"
(8260)
- Analytical results for soil samples collected at the location of the former waste oil tank show that concentrations of TOG, HVOC, and CAM 17 metals were below Preliminary Remediation Goals (PRGs) for residential soils as required by the United States Environmental Protection Agency (USEPA) Region 9.

Groundwater Results

- Groundwater was encountered during drilling from a depth of approximately 3 to 10 fbg.
- Dissolved-phase TPHg concentrations were detected in "grab" groundwater samples from borings AB-3 and AB-4. The greatest TPHg concentration (4,300 micrograms per liter [$\mu\text{g/L}$]), was detected in the grab-groundwater sample collected from boring AB-3 (Table 2).
- Dissolved-phase benzene concentrations were detected in "grab" groundwater samples collected from AB-3 and AB-4. The highest benzene concentration (210 $\mu\text{g/L}$) was

Initial Site Assessment Report
Former Mobil Station 04-334
September 3, 1999

detected in the sample collected from boring AB-3 (Figure 6).

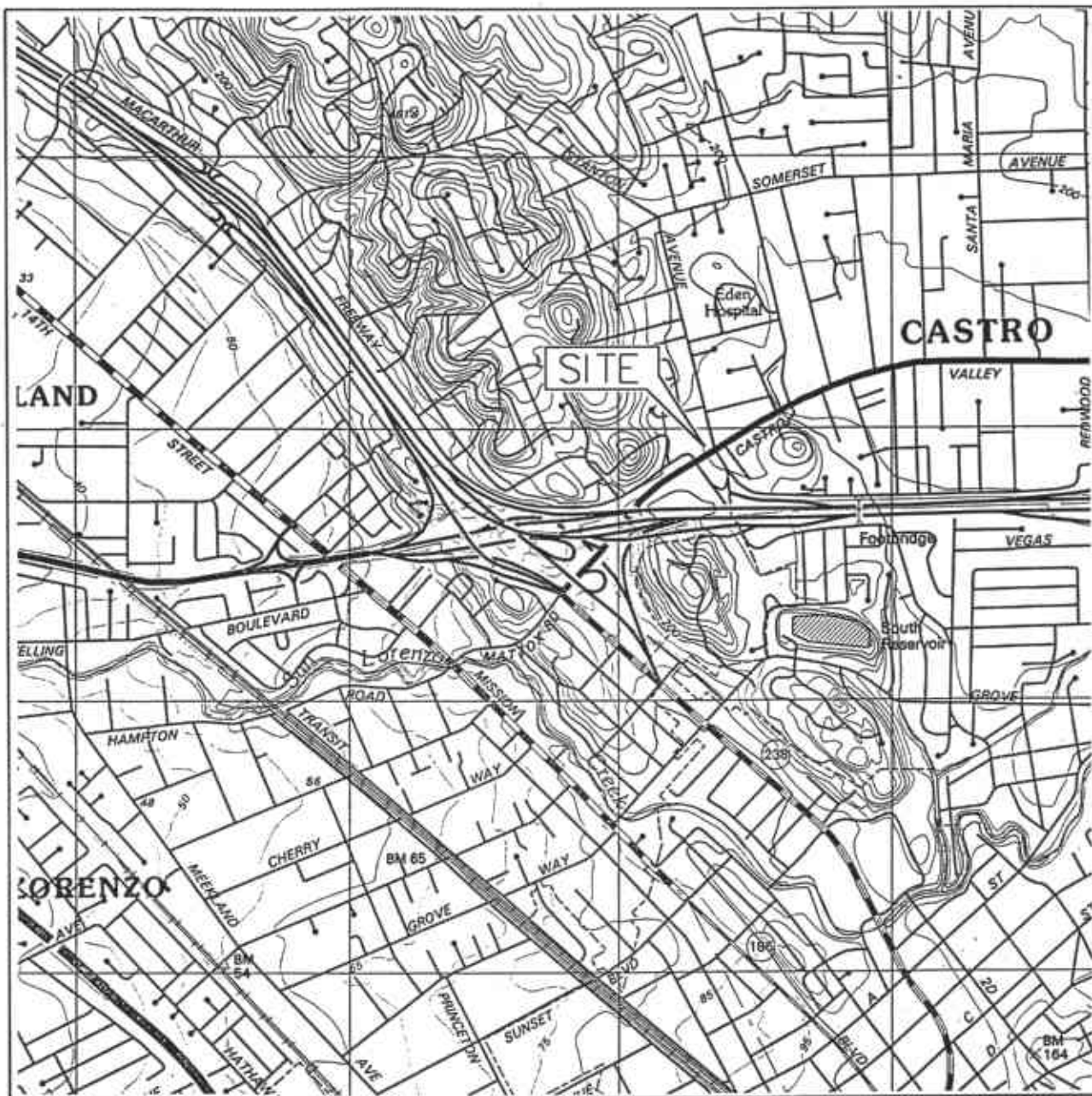
- Dissolved-phase TPHd concentrations were detected in the "grab" groundwater samples collected from all of the borings (AB-1 through AB-5). The groundwater sample collected from AB-4 contained the highest concentration of TPHd (5,500 µg/L).
- Groundwater samples collected from the former location of the waste oil tank did not contain concentrations of TOG and HVOC above the detection limit.
- No MtBE was detected in any of the "grab" groundwater samples collected at the site.

6.0 CONCLUSIONS

- Diesel- and gasoline-range hydrocarbons are present in the soil in the areas of AB-3 and AB-4 (Figures 2, 3, and 4).
- Based on the current investigative activities, the extent of the dissolved-phase petroleum hydrocarbons appears to be laterally assessed to the north and west, and partially assessed to the south and east.
- Current data indicates MTBE is not present in either the soil or groundwater at the site.

7.0 REFERENCES

- Alisto Engineering Group, 1994, Workplan for Preliminary Site Investigation, Former Mobil Oil Corporation Station 04-334, February 3.
- Alisto Engineering Group, 1997, Request for No Further Action Status, Former Mobil Station 04-334, June 16.
- Alton Geoscience, 1997, Site Assessment Workplan, Former Mobil Station 04-334, July 17.
- California Department of Water Resources (DWR), 1975, California's Ground Water, Bulletin No. 118, September.
- Giles Engineering Associates, Inc., 1986, Geotechnical Engineering Exploration and Analysis, Proposed Jiffy Lube, June 26.
- Kaprealian Engineering, Inc. (KEI), 1992, Site Closure Report for Unocal Service Station #3072, December 21.



1 MILE 3/4 1/2 1/4 0 1 MILE



SCALE 1 : 24,000



SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
Hayward Quadrangle



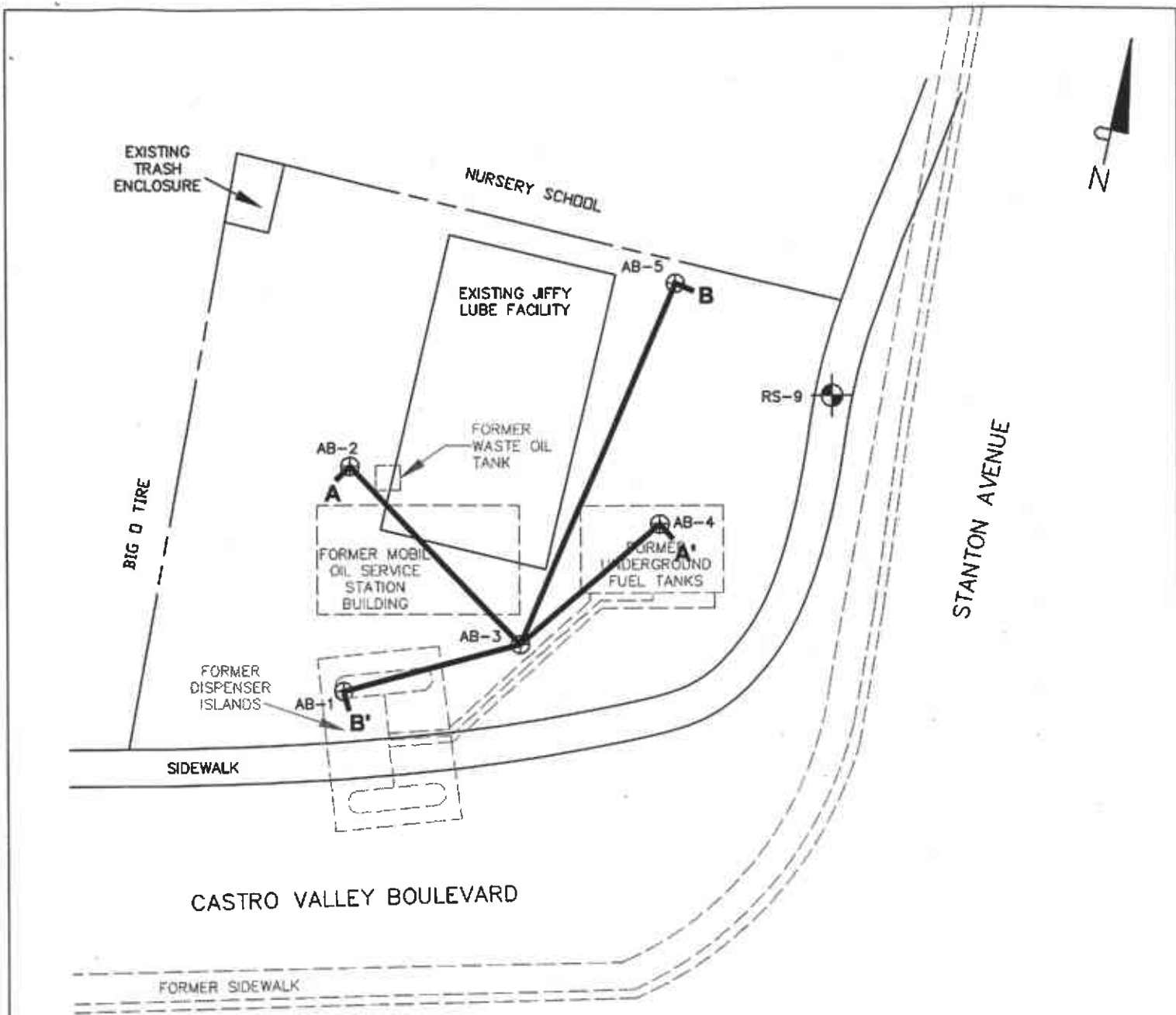
VICINITY MAP

Former Mobil Station 04-334
2492 Castro Valley Boulevard
Castro Valley, California





FIGURE 1



**ALTON
GEOSCIENCE**
Northern California



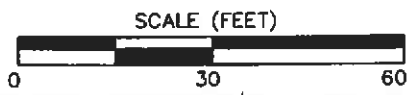
LEGEND

-  Monitoring Well (Thrifty Oil Co.)
-  Geoprobe Soil Boring
-  Property Line
-  Cross Section Line

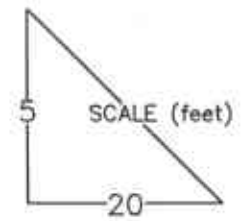
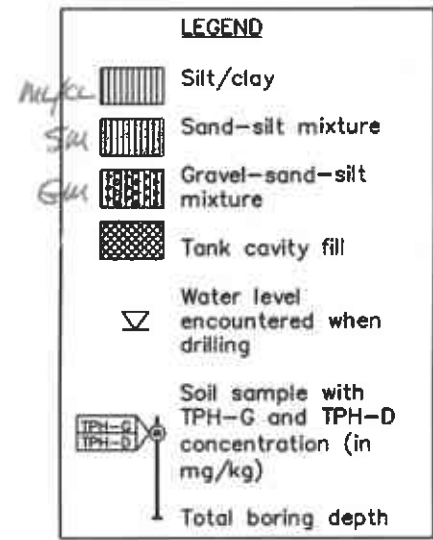
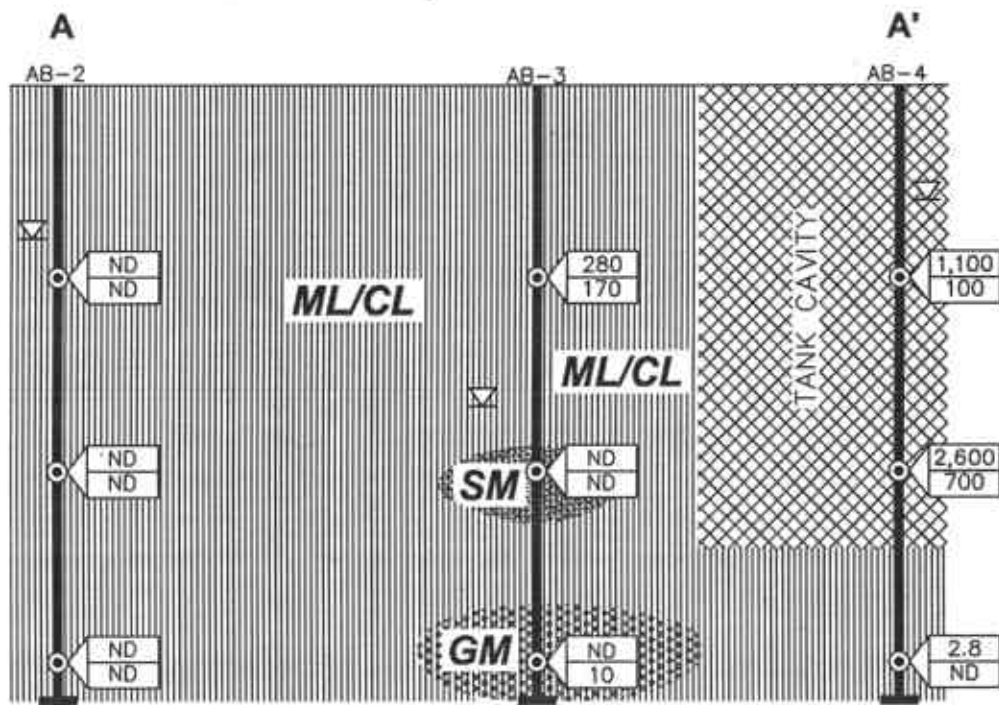
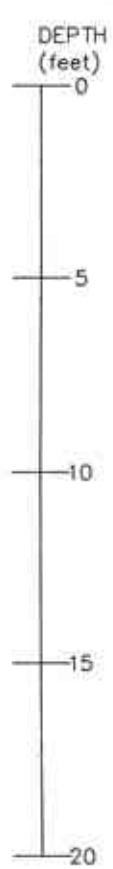
**SITE PLAN SHOWING
CROSS SECTIONS**

Former Mobil Station 04-334
2492 Castro Valley Boulevard
Castro Valley, California

FIGURE 2



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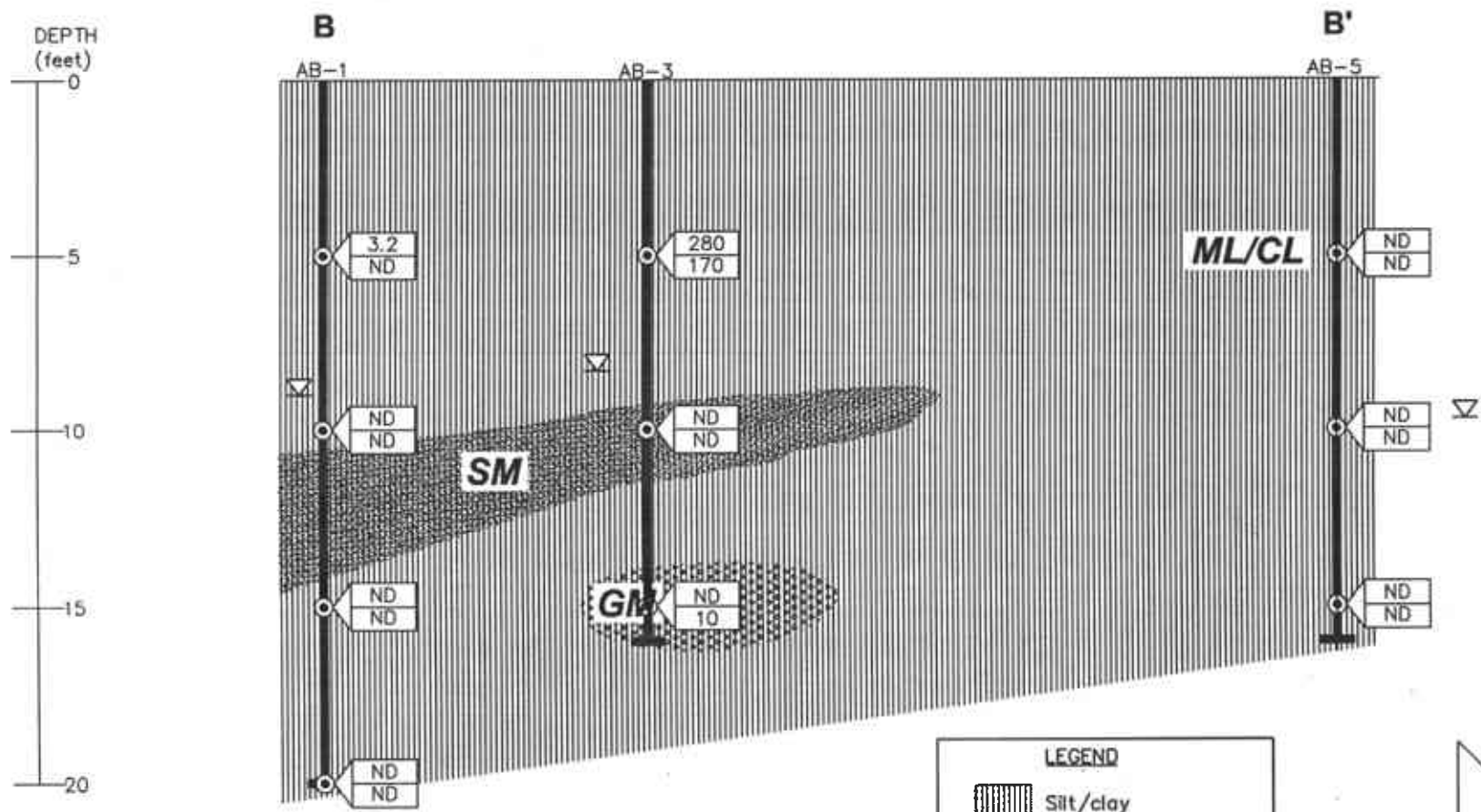
NOTES:
 Depths are in feet below grade. ND = not detected at detection limits stated in official laboratory reports. TPH-G = total petroleum hydrocarbons as gasoline; TPH-D = total petroleum hydrocarbons as diesel; mg/kg = milligrams per kilogram. See Figure 2 for location of cross section.

CROSS SECTION A-A'
 Former Mobil Station 04-334
 2492 Castro Valley Boulevard
 Castro Valley, California



FIGURE 3

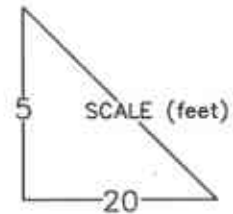
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NOTES:
 Depths are in feet below grade. ND = not detected at detection limits stated in official laboratory reports. TPH-G = total petroleum hydrocarbons as gasoline; TPH-D = total petroleum hydrocarbons as diesel; mg/kg = milligrams per kilogram. See Figure 2 for location of cross section.

LEGEND

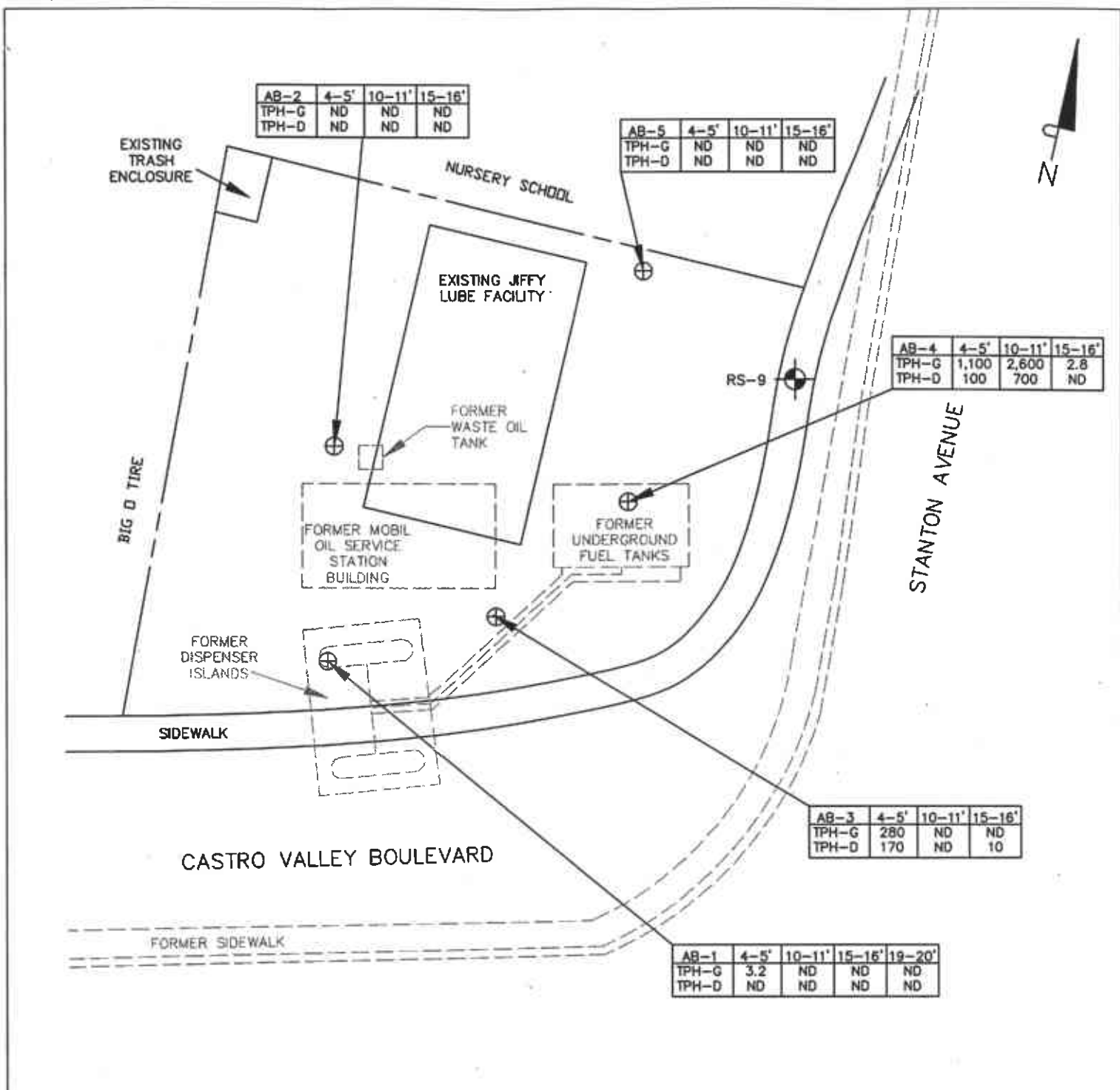
- Silt/clay
- Sand-silt mixture
- Gravel-sand-silt mixture
- Water level encountered when drilling
- Soil sample with TPH-G and TPH-D concentration (in mg/kg)
- Total boring depth



CROSS SECTION B-B'

Former Mobil Station 04-334
 2492 Castro Valley Boulevard
 Castro Valley, California

FIGURE 4



AB-2	4-5'	10-11'	15-16'
TPH-G	ND	ND	ND
TPH-D	ND	ND	ND

AB-5	4-5'	10-11'	15-16'
TPH-G	ND	ND	ND
TPH-D	ND	ND	ND

AB-4	4-5'	10-11'	15-16'
TPH-G	1,100	2,600	2.8
TPH-D	100	700	ND

AB-3	4-5'	10-11'	15-16'
TPH-G	280	ND	ND
TPH-D	170	ND	10

AB-1	4-5'	10-11'	15-16'	19-20'
TPH-G	3.2	ND	ND	ND
TPH-D	ND	ND	ND	ND

LEGEND

Monitoring Well (Thrifty Oil Co.)

Soil Boring

Property Line

AB-1	Depth
TPH-G	
TPH-D	

Hydrocarbon Concentrations in Soil (mg/kg)

NOTES:
 Results are based on laboratory analysis of soil samples collected on March 4, 1999. Depths are in feet below grade. mg/kg = milligrams per kilogram; TPH-G = total petroleum hydrocarbons as gasoline; TPH-D = total petroleum hydrocarbons as diesel; ND = not detected at or above method detection limit.

HYDROCARBON CONCENTRATIONS IN SOIL
 March 4, 1999

Former Mobil Station 04-334
 2492 Castro Valley Boulevard
 Castro Valley, California

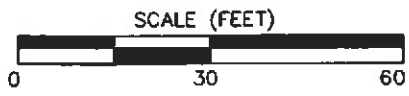
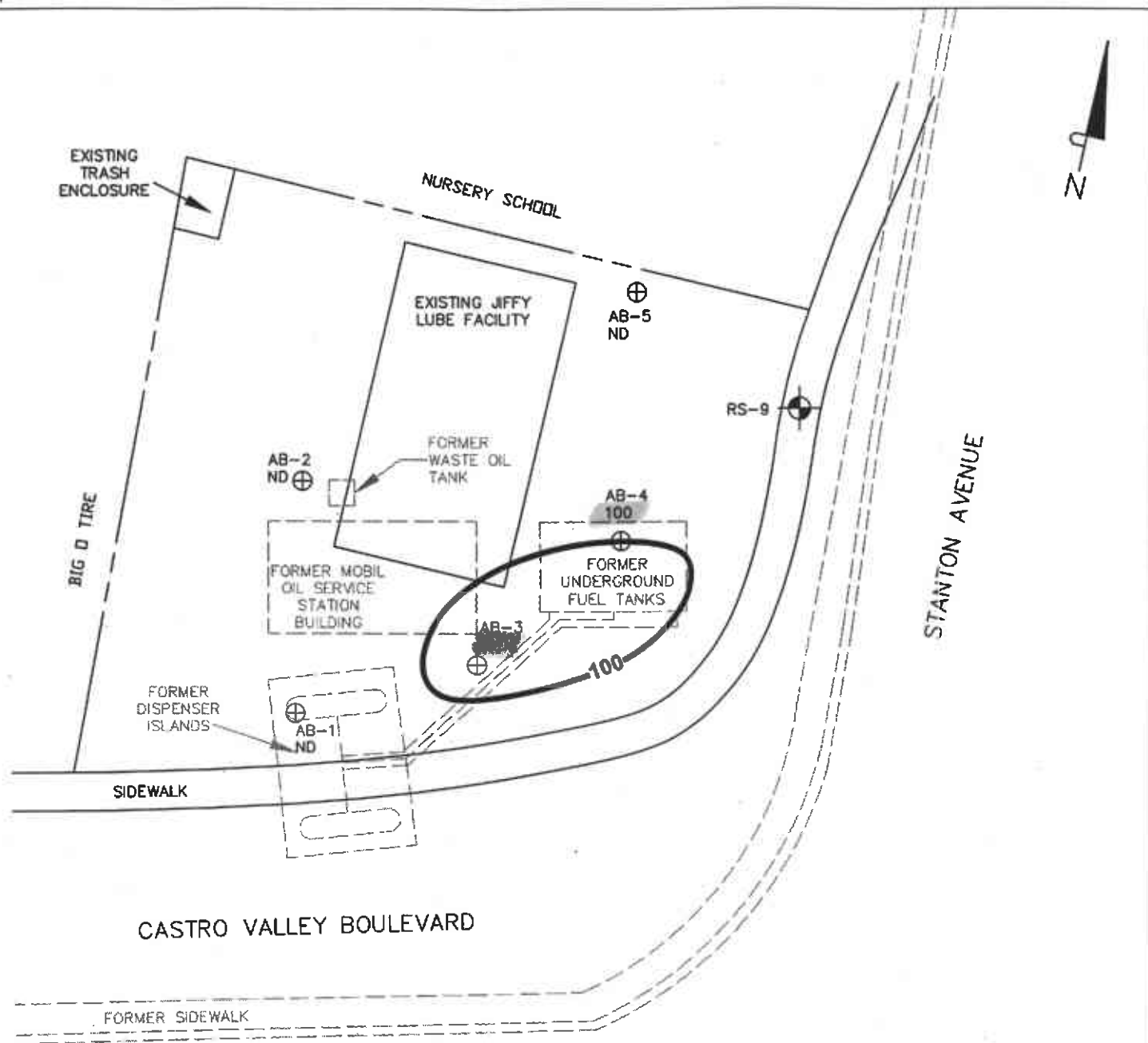


FIGURE 5

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NOTES:
 Results are based on laboratory analysis of groundwater samples collected on March 5, 1999. µg/l = micrograms per liter; ND = not detected at or above method detection limit.

LEGEND	
	Monitoring Well (Thrifty Oil Co.)
	Geoprobe Soil Boring
	Property Line
	Dissolved-Phase Benzene Concentration (µg/l)
	Benzene Isoconcentration Line

**DISSOLVED-PHASE
~~BENZENE~~
 CONCENTRATIONS
 March 5, 1999**

Former Mobil Station 04-334
 2492 Castro Valley Boulevard
 Castro Valley, California

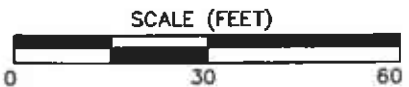


FIGURE 6

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Table 1
Summary of Soil Sample Analysis

Former Mobil Station 04-334

Sample ID	Date	Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	MTBE 8260 (mg/kg)	Lead (mg/kg)	TOG 5520 (mg/kg)	CAM 17 200.7 (mg/kg)	HVOC 8010 (mg/kg)
AB-1	03/04/99	4.0-5.0	3.2	ND	ND	ND	0.010	ND	ND	—	—	—	—	—
AB-1	03/04/99	10.0-11.0	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
AB-1	03/04/99	15.0-16.0	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
AB-1	03/04/99	19.0-20.0	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
AB-2	03/04/99	4.0-5.0	ND	ND	ND	ND	ND	ND	ND	—	—	ND	*	ND
AB-2	03/04/99	10.0-11.0	ND	ND	ND	ND	ND	ND	ND	—	—	13	*	ND
AB-2	03/04/99	15.0-16.0	ND	ND	ND	ND	ND	ND	ND	—	—	ND	*	ND
AB-3	03/04/99	4.0-5.0	280	170	ND	0.09	1.9	ND	0.4	—	—	—	—	—
AB-3	03/04/99	10.0-11.0	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
AB-3	03/04/99	15.0-16.0	ND	10	ND	ND	ND	ND	ND	—	—	—	—	—
AB-4	03/04/99	4.0-5.0	1,100	100	0.2	ND	18	62	ND	—	—	—	—	—
AB-4	03/04/99	10.0-11.0	2,600	700	3.4	18	38	170	8	ND	—	—	—	—
AB-4	03/04/99	15.0-16.0	2.8	ND	0.005	0.011	0.038	0.12	ND	—	—	—	—	—
AB-5	03/04/99	4.0-5.0	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
AB-5	03/04/99	10.0-11.0	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
AB-5	03/04/99	15.0-16.0	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
S-1	03/05/99	Composite	45	110	0.012	ND	0.31	0.17	ND	—	9.4	—	—	—

NOTES:

- mg/kg = milligrams per kilogram
- TPH-G = total petroleum hydrocarbons as gasoline
- TPH-D = total petroleum hydrocarbons as diesel
- MTBE = methyl tert butyl ether
- TOG = total oil and grease
- HVOC = halogenated volatile organic compounds
- CAM 17 = metals analysis
- ND = not detected at or above method detection limit
- = not analyzed
- * = results were below preliminary remediation goals for residential soils as required by the USEPA region 9

Table 2
Groundwater Levels and Chemical Analysis

Former Mobil Station 04-334

Sample ID	Date	Depth to Water (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8020 (µg/l)	TOG 5520 (µg/l)	HVOC 8010 (µg/l)
AB-1	03/05/99	8.7	ND	450	ND	ND	ND	ND	ND	—	—
AB-2	03/05/99	4.2	ND	730	ND	ND	0.8	ND	ND	1.0	ND
AB-3	03/05/99	8.3	4,300	2,100	210	7.5	660	34	ND	—	—
AB-4	03/05/99	3.2	2,900	5,500	100	43	170	260	ND	—	—
AB-5	03/05/99	9.65	ND	1,600	ND	ND	1.9	ND	ND	—	—

NOTES:

- µg/l = micrograms per liter
- TPH-G = total petroleum hydrocarbons as gasoline
- TPH-D = total petroleum hydrocarbons as diesel
- MTBE = methyl tert butyl ether
- TOG = total oil and grease
- HVOC = halogenated volatile organic compounds
- ND = not detected at or above method detection limit
- = not measured/not analyzed

APPENDIX A

**BORING LOGS, WASTE MANIFEST,
DRILLING PERMIT APPLICATION,
AND
FIELD PROCEDURES**

**LITHOLOGY
(UNIFIED SOIL CLASSIFICATION SYSTEM)**

MAJOR DIVISIONS			TYPICAL NAMES			
COARSE-GRAINED SOILS MORE THAN HALF IS LARGER THAN No. 200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN No. 4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	
				GP		POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES
		GRAVELS WITH OVER 12% FINES	GM		SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES	
			GC		CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES	
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN No. 4 SIEVE SIZE	CLEAN SANDS WITH LITTLE OR NO FINES	SW		WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	
				SP		POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH OVER 12% FINES	SM		SILTY SANDS, SAND-SILT MIXTURES	
			SC		CLAYEY SANDS, SAND-CLAY MIXTURES	
			SILTS AND CLAYS LIQUID LIMIT LESS THAN 50	ML		INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL		INORGANIC CLAYS OF LOW- TO MEDIUM-PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50	OL		ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY			
	MH		INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS			
	CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS			
HIGHLY ORGANIC SOILS	OH		ORGANIC CLAYS OF MEDIUM- TO HIGH-PLASTICITY, ORGANIC SILTS			
	Pt		PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS			

SYMBOLS AND NOTES

- SAMPLE INTERVAL
- SAMPLE NOT RECOVERED
- BENTONITE
- CONCRETE
- GROUT
- FILTER SAND PACK
- STATIC WATER LEVEL
- WATER LEVEL ENCOUNTERED
WHEN DRILLING

- ppm = parts per million (mg/kg)
- ppb = parts per billion (µg/kg)
- ND = not detected at detection limits stated in official laboratory reports
- CGI = combustible gas indicator
- OVA = organic vapor analyzer
- PID = photolionization detector
- LEL = lower explosive limit
- TPH = total petroleum hydrocarbons
- TRPH = total recoverable petroleum hydrocarbons

PROJECT NO.: 41-0115

LOCATION: Former Mobil Station 04-334

2492 Castro Valley Boulevard

Castro Valley, California

DATE DRILLED: 3/4/99

LOGGED BY: C. Smlga

APPROVED BY: J. Trompeter, RG

DRILLING CO.: Gregg Drilling

DRILLING METHOD: 1 1/4-in. Diameter Direct-Push Geoprobe
SAMPLER TYPE: Macro-Core Sampler
TOTAL DEPTH: 20.0 feet
DEPTH TO WATER: 8.7 feet

BLOWS PER 8 INCHES	FID (ppm)	TPH (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY	BORING BACKFILL DETAIL
				0	Hand-augered to 4.5 feet. 2 inches of asphalt. CLAY: Dark brown, firm, moist.	CL		<p>Bentonite and ORC</p>
0	3.2			5	SILTY CLAY: Light gray, firm, moist, odor.			
50					Light tan, trace 1/4-inch gravel.			
			ND	10	Gravel to 3/4-inch.			
0					SILTY SAND: Light brown, loose, dry, gravel to 1/8-inch.	SM		
0			ND	15	SANDY SILT: Light brown, loose, dry, gravel to 1/4-inch.	ML		
10			ND	20	CLAYEY SILT: Dark brown, loose, dry.			

PROJECT NO.: 41-0115

LOCATION: Former Mobil Station 04-334

2492 Castro Valley Boulevard

Castro Valley, California

DATE DRILLED: 3/4/99

LOGGED BY: C. Smiga

APPROVED BY: J. Trompeter, RG

DRILLING CO.: Gregg Drilling

DRILLING METHOD: 1 1/4-in. Diameter Direct-Push Geoprobe
SAMPLER TYPE: Macro-Core Sampler
TOTAL DEPTH: 16.0 feet
DEPTH TO WATER: 4.2 feet

BLOWS PER 6 INCHES	FID (ppm)	TPH (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY	BORING BACKFILL DETAIL
				0	Hand-augered to 4.5 feet. 2 inches of asphalt.			
	0	ND		5	SILT: Tan, firm, moist.	ML		
	10			10	CLAYEY SILT: Wet.			
	0	ND		10	SILT: Olive brown, moist.			
	0	ND		15	Light brown, dry, refusal at 16 feet below grade.			
				20				
				25				
				30				
				35				
				40				

Bentonite and ORC

PROJECT NO.: 41-0115

LOCATION: Former Mobil Station 04-334

2492 Castro Valley Boulevard

Castro Valley, California

DATE DRILLED: 3/4/99

LOGGED BY: C. Smiga

APPROVED BY: J. Trompeter, RG

DRILLING CO.: Gregg Drilling

BLOWS PER 6 INCHES	FID (ppm)	TPH (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 1¼-in. Diameter Direct-Push Geoprobe SAMPLER TYPE: Macro-Core Sampler TOTAL DEPTH: 16.0 feet DEPTH TO WATER: 8.3 feet	USCS	LITHOLOGY	BORING BACKFILL DETAIL
					DESCRIPTION			
				0	Hand-augered to 4.5 feet. 2 inches of asphalt.			
600				5	SILT: Dark gray, firm, moist, odor .	ML		<p>Bentonite and ORC</p>
10,000	280			10	SILTY CLAY: Olive, firm, moist, odor .	CL		
10				10	SILTY SAND: Light brown, loose, moist.	SM		
10	ND			15	CLAYEY SILT: Olive, firm, moist, odor .	ML		
2				15	SILTY GRAVEL: Brown, loose, dry, gravel to 1 inch, odor at 16 feet below grade.	GM		
0	ND			20				
				25				
				30				
				35				
				40				

PROJECT NO.: 41-0115

LOCATION: Former Mobil Station 04-334

2492 Castro Valley Boulevard

Castro Valley, California

DATE DRILLED: 3/4/99

LOGGED BY: C. Smiga

APPROVED BY: J. Trompeter, RG

DRILLING CO.: Gregg Drilling

DRILLING METHOD: 1 1/4-in. Diameter Direct-Push Geoprobe

SAMPLER TYPE: Macro-Core Sampler

TOTAL DEPTH: 16.0 feet

DEPTH TO WATER: 3.2 feet

BLOWS PER 6 INCHES	FID (ppm)	TPH (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY	BORING BACKFILL DETAIL
				0	Hand-augered to 4.5 feet. 2 inches of asphalt.			
				3	PEA GRAVEL at 3 feet below grade: loose, wet, odor.	GW		
				5	GRAVELLY SAND: olive, loose, wet, gravel to 1/4-inch.	SW		
10,000	1,100			7	PEA GRAVEL: loose, wet, odor.	GW		
7				10	SILTY GRAVEL: Dark olive, firm, wet, gravel to 1/4-inch, discoloration.	GM		
2,000	2,600			12	SANDY SILT: Light brown, wet, firm, slight odor.	ML		
				15				Bentonite and ORC
				20				
				25				
				30				
				35				
				40				

PROJECT NO.: 41-0115

LOCATION: Former Mobil Station 04-334

2492 Castro Valley Boulevard

Castro Valley, California

DATE DRILLED: 3/4/99

LOGGED BY: C. Smiga

APPROVED BY: J. Trompeter, RG

DRILLING CO.: Gregg Drilling

DRILLING METHOD: 1 1/4-in. Diameter Direct-Push Geoprobe

SAMPLER TYPE: Macro-Core Sampler

TOTAL DEPTH: 16.0 feet

DEPTH TO WATER: 9.65 feet

BLOWS PER 6 INCHES	FID (ppm)	TPH (ppm)	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY	BORING BACKFILL DETAIL
				0	Hand-augered to 4.5 feet.			
2	ND			5	CLAY: Dark brown, firm, moist.	CL		
3			10	CLAYEY SILT: Gray, firm, moist.	ML			
0	ND		15	SILTY CLAY: Olive brown, firm, moist.	CL			
0	ND			16	Refusal at 16 feet below grade.			

Bentonite and ORC



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 509686

C

Section I GENERATOR (Generator completes all of Section I)

a. Generator Name: MOBIL OIL CORP, ATTN: EARTH b. Generating Location: MOBIL #04-334
 c. Address: 3225 GALLOW RD., IW210 d. Address: 2492 CASTRO VALLEY BLVD.
FAIRFAX, VA 22037 CASTRO VALLEY, CA
 e. Phone No.: _____ f. Phone No.: _____

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: _____ h. Owner's Phone No.: _____

i. BFI WASTE CODE:

C	A	4	0	4	0	4	1	3	9	9	0	1	9	9	6
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

 Containers: _____
 j. Description of Waste: SOIL CUTTINGS k. Quantity:

--	--	--	--	--

 Units:

Y

 No.:

--	--	--	--

 TYPE:

T

- TYPE**
 DM - METAL DRUM
 DP - PLASTIC DRUM
 B - BAG
 BA - 6 MIL. PLASTIC BAG or WRAP
 T - TRUCK
 O - OTHER
- UNITS**
 P - POUNDS
 Y - YARDS
 M³ - CUBIC METERS
 Y³ - CUBIC YARDS
 O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOM DELON FOR MOBIL *Tom DeLon for Mobil* _____
 Generator Authorized Agent Name Signature Shipment Date

Section II TRANSPORTER (Generator complete a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I
 a. Name: IWM
 b. Address: 950 AMES AVENUE
MILPITAS, CA 95035
 c. Driver Name/Title: _____
 d. Phone No.: 408-942-0955 e. Truck No.: _____
 f. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials.
 g. _____
 Driver Signature Shipment Date

TRANSPORTER II
 h. Name: A/1 Penn
 i. Address: _____
 j. Driver Name/Title: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials.
 n. *[Signature]* _____
 Driver Signature Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-l)

a. Site Name: BFI VASCO c. Phone No.: 925-447-0491
 b. Physical Address: 4001 N VASCO ROAD d. Mailing Address: --SA--
LIVERMORE, CA 94550
 e. Discrepancy Indication Space: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. _____
 Name of Authorized Agent Signature 4/29/97
 Receipt Date

Section IV ASBESTOS (Generator complete a-d, f, g; Shipper* completes e)

a. Shippers's* Name: _____ b. Shippers's* Phone No.: _____
 c. Shippers's* Address: _____
 d. Shippers's Special Handling Instructions and additional information: _____

CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651

PHONE (510) 670-5575 ANDREAS GODFREY

FAX (510) 670-5262

(510) 670-5248 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2492 Castro Valley Blvd
Castro Valley, CA

California Coordinates Source ft. Accuracy ±
CCE ft. CCE ft.
APN

CLIENT Name Mobil Business Corporation
Address 2063 Main Street, #150 Phone (925) 625-1173
City Oakley, CA Zip 94561

APPLICANT Name Altan Geoscience
Address 30A Lindbergh Ave. Phone (925) 606-9150 X105
City Livermore, CA Zip 94550

TYPE OF PROJECT

- | | | | |
|---------------------|--------------------------|----------------------------|-------------------------------------|
| Well Construction | <input type="checkbox"/> | Geotechnical Investigation | <input type="checkbox"/> |
| Cathodic Protection | <input type="checkbox"/> | General | <input type="checkbox"/> |
| Water Supply | <input type="checkbox"/> | Contamination | <input checked="" type="checkbox"/> |
| Monitoring | <input type="checkbox"/> | Well Destruction | <input type="checkbox"/> |

PROPOSED WATER SUPPLY WELL USE

- | | | | |
|--------------|--------------------------|----------------------|--------------------------|
| New Domestic | <input type="checkbox"/> | Replacement Domestic | <input type="checkbox"/> |
| Municipal | <input type="checkbox"/> | Irrigation | <input type="checkbox"/> |
| Industrial | <input type="checkbox"/> | Other | <input type="checkbox"/> |

DRILLING METHOD:

- | | | | | | |
|------------|--------------------------|------------|--------------------------|----------|-------------------------------------|
| Mud Rotary | <input type="checkbox"/> | Air Rotary | <input type="checkbox"/> | Auger | <input type="checkbox"/> |
| Cable | <input type="checkbox"/> | Other | <input type="checkbox"/> | Geoprobe | <input checked="" type="checkbox"/> |

DRILLER'S LICENSE NO. C-57 485165

WELL PROJECTS

Drill Hole Diameter	<u> </u> in.	Maximum	<u> </u>
Casing Diameter	<u> </u> in.	Depth	<u> </u> ft.
Surface Seal Depth	<u> </u> ft.	Number	<u> </u>

GEOTECHNICAL PROJECTS

Number of Borings	<u>5</u>	Maximum	<u> </u>
Hole Diameter	<u>2</u> in.	Depth	<u>16</u> ft.

ESTIMATED STARTING DATE 3-4-99
ESTIMATED COMPLETION DATE 3-4-99

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

APPLICANT'S SIGNATURE Chris Amiga DATE 2-12-99

FOR OFFICE USE

PERMIT NUMBER 994/R 025
WELL NUMBER
APN

PERMIT CONDITIONS

Circled Permit Requirements Apply

- A. GENERAL**
 - 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
 - 2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
 - 3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS**
 - 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 - 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
 - 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 - 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL**
 - Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremie cement grout shall be used in place of compacted cuttings.
- E. CATHODIC**
 - Fill hole above anode zone with concrete placed by tremie.
- F. WELL DESTRUCTION**
 - See attached.
- G. SPECIAL CONDITIONS**

APPROVED Andreas Godfrey DATE 3/11

FIELD PROCEDURES

A description of the general field procedures used during the site investigation is presented below. For an overview of protocol, refer to the appropriate section(s).

DRILLING AND SOIL SAMPLING

Soil borings were advanced using a truck-mounted Geoprobe™ rig. Borings were grouted from total depth to two feet above the static groundwater level with a ORC™ slurry, while neat cement was placed from the top of the ORC™ slurry to surface grade.

Soil samples were obtained for soil description, field hydrocarbon vapor screening, and possible laboratory analysis. Soil samples were retrieved from the borings by one of two methods: 1) continuously, using a 1 and 3/4-inch diameter 4-foot-long, continuous-core macro core sampler advanced into the soil with a weighted hammer, or; 2) at specific intervals using an 1-inch diameter 2-foot-long, continuous-core micro core sampler advanced into the soil with a weighted hammer, each lined with acetate or brass tube lining.

During drilling activities, soil adjacent to the laboratory sample was screened for combustible vapors using a Flame Ionization Detector (FID) or equivalent field instrument. For each hydrocarbon vapor screening event, a 6-inch-long by 2.5-inch-diameter sample insert was filled approximately 1/3 full with the soil sample, capped at both ends, and shaken. The probe was then inserted through a small opening in the cap, and a reading was taken after approximately 15 seconds and recorded on the boring log. The remaining soil recovered was removed from the sample insert or sampler, and described in accordance with the Unified Soil Classification System. For each sampling interval, field estimates of soil type, density/consistency, moisture, color, and grading were recorded on the boring logs.

SOIL SAMPLE HANDLING

Upon retrieval, soil samples were immediately removed from the sampler, sealed with Teflon sheeting and polyurethane caps, and wrapped with tape. Each sample was labeled with the project number, boring/well number, sample depth, geologist's initials, and date of collection. After the samples had been labeled and documented in the chain of custody record, they were placed in a cooler with ice at approximately 4 degrees Celsius (°C) prior to and during transport to a state-certified laboratory for analysis. Samples not selected for immediate analysis were transported in a cooler with ice and archived in a frostless refrigerator at approximately 4°C for possible future testing.

GROUNDWATER SAMPLING

Once total depth was reached with the Geoprobe™ equipment, a three quarter-inch diameter temporary screened casing was lowered into the boring. "Grab" type groundwater samples were

collected by lowering a properly decontaminated stainless steel bailer below the static groundwater level and decanting to 1-liter and 40-milliliter glass containers. The sample containers were filled to zero headspace and fitted with Teflon-sealed caps. Each sample was labeled with the project number, well number, sample date, and sampler's initials. After the samples had been labeled and documented in the chain of custody record, they were placed in a cooler with ice at approximately 4 degrees Celsius (°C) prior to and during transport to a state-certified laboratory for analysis.

CHAIN OF CUSTODY PROTOCOL

Chain of custody protocol is followed for all soil and groundwater samples selected for laboratory analysis. The chain of custody form(s) accompanied the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis.

DECONTAMINATION

Drilling/Geoprobe™ equipment was decontaminated by steam cleaning before being brought on site. The rods were also steam cleaned before each new boring was commenced. Prior to use, the sampler and sampling tubes were brush-scrubbed in a Liqui-nox and potable water solution and rinsed twice in clean potable water. Sampling equipment and tubes were also decontaminated before each sample was collected to avoid cross-contamination between borings.

APPENDIX B

**LABORATORY REPORTS,
QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REPORTS,
AND
CHAIN-OF-CUSTODY RECORDS**



LLI Sample No. SW 3105249
 Collected: 3/ 4/99 at 10:00 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
 Discard: 4/23/99

AB-1 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Re1.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	N.D.	10.	mg/kg
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg
5550	8015 Mod. for Gasoline & BTEX According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).			
2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils)	N.D.	1.	mg/kg

QUALITY CONTROL REPORT

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5547	8015	Mod. for Diesel	Batch: 990680004A M068									
	10.	mg/kg	N.D.		78			88	89	0	65	125
2464	Methyl tertiary butyl ether	0.1 mg/kg	Batch: 99068A34		65	66	2	82			54	129
			N.D.									
5550	8015	Mod. for Gasoline & BTEX	Batch: 99068A34									
2603	Benzene	0.005 mg/kg	N.D.		87	91	4	95			65	118
2604	Toluene	0.005 mg/kg	N.D.		84	87	4	89			72	131

#-Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:14:20 D 0001 22 134751 656006
 673 0.00 00010600 ASR000

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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



LLI Sample No. SW 3105249

Collected: 3/ 4/99 at 10:00 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-1 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene	0.005 mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes	0.015 mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)	1. mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2464	Methyl tertiary butyl ether	89	62	131
5547	8015 Mod. for Diesel	90	50	150
	Chlorobenz	120	50	150
	o-Terpheny	89	62	131
5550	8015 Mod. for Gasoline & BTEX	79	54	144
	TFT-F			

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 1549	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/09/99 2357	Stephanie A. Selis
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/09/99 2357	Stephanie A. Selis

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelby Jr.

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97



LLI Sample No. SW 3105250

Collected: 3/ 4/99 at 09:45 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-1 (4-5) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Re1.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	N.D.	10.	mg/kg
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg
5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	0.010	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils)	3.2	1.	mg/kg
	According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).			

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5547 8015 Mod. for Diesel	10. mg/kg	Batch: 990680004A M068		78			88	89	0	65	125
2464 Methyl tertiary butyl ether	0.1 mg/kg	Batch: 99068A34		65	66	2	82			54	129
5550 8015 Mod. for Gasoline & BTEX		Batch: 99068A34									
2603 Benzene	0.005 mg/kg	N.D.		87	91	4	95			65	118
2604 Toluene	0.005 mg/kg	N.D.		84	87	4	89			72	131

#-Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:14:57 D 0001 22 134751 656006
 673 0.00 00010600 ASR000

Donald L. Shelly Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97



LLI Sample No. SW 3105250

Collected: 3/ 4/99 at 09:45 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-1 (4-5) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene										
	0.005 mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes										
	0.015 mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)										
	1. mg/kg	N.D.		102	105	2	111			76	117

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	90	62	131
5547 8015 Mod. for Diesel		Chlorobenz	101	50	150
		o-Terpheny	125	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	90	62	131
		TFT-F	80	54	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 1631	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 0743	Stephanie A. Selis
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 0743	Stephanie A. Selis

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald L. Shelby Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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

See reverse side for explanation of symbols and abbreviations.



LLI Sample No. SW 3105251

Collected: 3/ 4/99 at 10:20 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-1 (19-20) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	N.D.	10.	mg/kg
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg
5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils) According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).	N.D.	1.	mg/kg

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS	
										LOW	HIGH
5547 8015 Mod. for Diesel	10. mg/kg	Batch: 990680004A M068		78			88	89	0	65	125
2464 Methyl tertiary butyl ether	0.1 mg/kg	Batch: 99068A34		65	66	2	82			54	129
5550 8015 Mod. for Gasoline & BTEX		Batch: 99068A34									
2603 Benzene	0.005 mg/kg	N.D.		87	91	4	95			65	118
2604 Toluene	0.005 mg/kg	N.D.		84	87	4	89			72	131

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:15:30 D 0001 22 134751 656006
 673 0.00 00010600 ASR000

Donald J. Shady f.
for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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

See reverse side for explanation of symbols and abbreviations



LLI Sample No. SW 3105251

Collected: 3/ 4/99 at 10:20 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-1 (19-20) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene	0.005 mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes	0.015 mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)	1. mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	81	62	131
5547 8015 Mod. for Diesel		Chlorobenz.	107	50	150
		o-Terpheny	129	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	81	62	131
		TFT-F	75	54	144

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 1652	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 0831	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 0831	Steven A. Skiles

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shady Jr.

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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



LII Sample No. SW 3105252

Collected: 3/ 4/99 at 10:10 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-1 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	N.D.	10.	mg/kg
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg
5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils) According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).	N.D.	1.	mg/kg

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS	
										LOW	HIGH
5547 8015 Mod. for Diesel	10. mg/kg	Batch: 990680004A M068					88	89	0	65	125
2464 Methyl tertiary butyl ether	0.1 mg/kg	Batch: 99068A34		65	66	2	82			54	129
5550 8015 Mod. for Gasoline & BTEX		Batch: 99068A34									
2603 Benzene	0.005 mg/kg	N.D.		87	91	4	95			65	118
2604 Toluene	0.005 mg/kg	N.D.		84	87	4	89			72	131

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

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ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:16:04 D 0001 22 134751 656006
 673 0.00 00010600 ASR000

Donald J. Shelly Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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

See reverse side for explanation of symbols and abbreviations.



LLI Sample No. SW 3105252

Collected: 3/ 4/99 at 10:10 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-1 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene										
0.005	mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes										
0.015	mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)										
1.	mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	81	62	131
5547 8015 Mod. for Diesel		Chlorobenz	103	50	150
		o-Terpheny	125	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	81	62	131
		TFT-F	75	54	144

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 1713	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 0916	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 0916	Steven A. Skiles

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shady Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97



LLI Sample No. SW 3105253

Collected: 3/ 4/99 at 10:50 by CS

Submitted: 3/ 6/99 Reported: 3/24/99
Discard: 4/24/99

AB-2 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
1644	Antimony	N.D.	2.7	mg/kg
1646	Barium	318.	0.20	mg/kg
1647	Beryllium	0.39	0.15	mg/kg
1649	Cadmium	1.03	0.16	mg/kg
1651	Chromium	24.9	0.74	mg/kg
1652	Cobalt	6.8	1.0	mg/kg
1653	Copper	24.8	0.25	mg/kg
1661	Nickel	25.5	1.0	mg/kg
1666	Silver	N.D.	0.77	mg/kg
1671	Vanadium	28.9	0.56	mg/kg
6925	Thallium TR	N.D.	0.67	mg/kg
6935	Arsenic TR	3.0	0.39	mg/kg
6936	Selenium TR	N.D.	0.41	mg/kg
6955	Lead TR	3.5	0.40	mg/kg
6960	Molybdenum TR	N.D.	0.22	mg/kg
6972	Zinc TR	31.0	0.64	mg/kg
0159	Mercury	0.0314	0.0047	mg/kg

8430 Purgeable Halocarbons (8010)

8563	Chloromethane	N.D.	10.	ug/kg
8564	Vinyl Chloride	N.D.	4.0	ug/kg
8565	Bromomethane	N.D.	10.	ug/kg
8566	Chloroethane	N.D.	4.0	ug/kg
8567	Trichlorofluoromethane	N.D.	4.0	ug/kg
8568	1,1-Dichloroethene	N.D.	4.0	ug/kg
8569	Methylene Chloride	N.D.	4.0	ug/kg
8571	trans-1,2-Dichloroethene	N.D.	4.0	ug/kg
8572	1,1-Dichloroethane	N.D.	4.0	ug/kg
8573	cis-1,2-Dichloroethene	N.D.	4.0	ug/kg
8576	Chloroform	N.D.	4.0	ug/kg
8578	1,2-Dichloroethane	N.D.	5.0	ug/kg
8579	1,1,1-Trichloroethane	N.D.	4.0	ug/kg
8581	Carbon Tetrachloride	N.D.	4.0	ug/kg

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
21:05:00 D 0001 22 REP 134751 656006
288 145.00 00062800 ASR000

Donald L. Shelly Jr.
for

Respectfully Submitted
Michele Turner, B.A.
Manager, Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LLI Sample No. SW 3105253

Collected: 3/ 4/99 at 10:50 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (4-5) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
8583	1,2-Dichloropropane	N.D.	4.0	ug/kg
8584	Trichloroethene	N.D.	4.0	ug/kg
8585	Bromodichloromethane	N.D.	4.0	ug/kg
8587	cis-1,3-Dichloropropene	N.D.	4.0	ug/kg
8588	trans-1,3-Dichloropropene	N.D.	4.0	ug/kg
8589	1,1,2-Trichloroethane	N.D.	4.0	ug/kg
8591	Dibromochloromethane	N.D.	4.0	ug/kg
8593	Tetrachloroethene	N.D.	4.0	ug/kg
8595	Chlorobenzene	N.D.	4.0	ug/kg
8596	Bromoform	N.D.	4.0	ug/kg
8597	1,1,2,2-Tetrachloroethane	N.D.	4.0	ug/kg

8442	2-Chloroethyl Vinyl Ether			

8586	2-Chloroethyl Vinyl Ether	N.D.	20.	ug/kg

0425	Hexavalent Chromium (SOLIDS)	N.D.	0.13	mg/kg
1562	Petroleum Hydrocarbons (418.1)	N.D.	11.	mg/kg
5547	8015 Mod. for Diesel	N.D.	10.	mg/kg
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).				
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg

5550	8015 Mod. for Gasoline & BTEX			

2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils)	N.D.	1.	mg/kg
According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern				

#-Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Monica L. Shelby
 for

Respectfully Submitted
 Michele Turner, B.A.
 Manager, Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105253
 Collected: 3/ 4/99 at 10:50 by CS
 Submitted: 3/ 6/99 Reported: 3/24/99
 Discard: 4/24/99

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

AB-2 (4-5) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	REPORTING LIMIT	UNITS
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to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).

 QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
1644 Antimony	2.7 mg/kg	Batch: 990705708003 N.D.	0 (1)	85	85	0	132			20	180
1646 Barium	0.20 mg/kg	Batch: 990705708003 N.D.	1	100	102	1	89			56	143
1647 Beryllium	0.15 mg/kg	Batch: 990705708003 N.D.	0 (1)	100	100	1	88			70	130
1649 Cadmium	0.16 mg/kg	Batch: 990705708003 N.D.	0 (1)	99	104	4	91			55	145
1651 Chromium	0.74 mg/kg	Batch: 990705708003 N.D.	4	128	143	5	96			69	131
1652 Cobalt	1.0 mg/kg	Batch: 990705708003 N.D.	0 (1)	103	104	1	92			63	136
1653 Copper	0.25 mg/kg	Batch: 990705708003 N.D.	1	105	119	4	97			62	138
1661 Nickel	1.0 mg/kg	Batch: 990705708003 N.D.	0	106	104	1	96			67	133
1666 Silver	0.77 mg/kg	Batch: 990705708003 N.D.	0 (1)	105	105	0	92			57	144
1671 Vanadium	0.56 mg/kg	Batch: 990705708003 N.D.	0	131	150	8	97			68	132
6925 Thallium TR	0.67 mg/kg	Batch: 990705708003 N.D.	0 (1)	101	101	0	91			57	143
6935 Arsenic TR	0.39 mg/kg	Batch: 990705708003 N.D.	0	96	96	1	98			62	138
6936 Selenium TR	0.41 mg/kg	Batch: 990705708003 N.D.	0 (1)	95	95	0	91			65	134
6955 Lead TR		Batch: 990705708003									

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelby Jr
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105253

Collected: 3/ 4/99 at 10:50 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (4-5) ~~Grab Soil Sample~~

LOC# 04-334 PRC# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334

Rel.

SAMPLE RPT	LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
6960	0.40	mg/kg	N.D.	5	92	94	1	89			60	140
		TR	Batch: 990705708003									
	0.22	mg/kg	N.D.	0 (1)	96	96	0	96			66	134
6972		TR	Batch: 990705708003									
	0.64	mg/kg	1.16 mg/kg	1	109	116	2	93			61	139
0159		TR	Batch: 990705711001									
	0.0047	mg/kg	N.D.	0 (1)	106	102	5	94			49	151

8430	Purgeable Halocarbons (8010)		Batch: 99077A18									

8563	Chloromethane											
	10.	ug/kg	N.D.		92	92	0	89			34	111
8564	Vinyl Chloride											
	4.0	ug/kg	N.D.		86	84	3	84			50	149
8565	Bromomethane											
	10.	ug/kg	N.D.		100	98	2	96			61	114
8566	Chloroethane											
	4.0	ug/kg	N.D.		90	89	1	87			62	115
8567	Trichlorofluoromethane											
	4.0	ug/kg	N.D.		92	90	2	88			70	130
8568	1,1-Dichloroethene											
	4.0	ug/kg	N.D.		81	79	2	79			73	110
(1) The result for one or both determinations was less than five times the LOQ.												
8569	Methylene Chloride											
	4.0	ug/kg	N.D.		93	99	6	92			67	122
8571	trans-1,2-Dichloroethene											
	4.0	ug/kg	N.D.		91	91	0	90			76	134
8572	1,1-Dichloroethane											
	4.0	ug/kg	N.D.		98	99	1	99			81	131
8573	cis-1,2-Dichloroethene											
	4.0	ug/kg	N.D.		103	103	1	105			70	130
8576	Chloroform											
	4.0	ug/kg	N.D.		97	99	2	98			70	130
8578	1,2-Dichloroethane											
	5.0	ug/kg	N.D.		108	104	3	105			81	131

#-Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105253

Collected: 3/ 4/99 at 10:50 by CS

Submitted: 3/ 6/99 Reported: 3/24/99
Discard: 4/24/99

AB-2 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH	
8579	1,1,1-Trichloroethane	4.0 ug/kg	N.D.		90	92	3	94			82	113	
8581	Carbon Tetrachloride	4.0 ug/kg	N.D.		89	89	1	90			76	115	
8583	1,2-Dichloropropane	4.0 ug/kg	N.D.		106	103	3	106			85	125	
8584	Trichloroethene	4.0 ug/kg	N.D.		85	89	4	90			68	119	
8585	Bromodichloromethane	4.0 ug/kg	N.D.		100	99	1	99			88	123	
8587	cis-1,3-Dichloropropene	4.0 ug/kg	N.D.		104	102	2	104			86	131	
8588	trans-1,3-Dichloropropene	4.0 ug/kg	N.D.		111	108	3	109			80	134	
8589	1,1,2-Trichloroethane	4.0 ug/kg	N.D.		108	105	3	105			90	138	
8591	Dibromochloromethane	4.0 ug/kg	N.D.		101	96	5	99			90	121	
8593	Tetrachloroethene	4.0 ug/kg	N.D.		94	92	2	96			79	118	
8595	Chlorobenzene	4.0 ug/kg	N.D.		93	96	3	96			76	122	
8596	Bromoform	4.0 ug/kg	N.D.		104	100	4	104			82	132	
8597	1,1,1,2,2-Tetrachloroethane	4.0 ug/kg	N.D.		118	112	6	114			77	141	

8442	2-Chloroethyl Vinyl Ether		Batch: 99077A18										

8586	2-Chloroethyl Vinyl Ether	20. ug/kg	N.D.		95	92	3	92			78	134	
0425	Hexavalent Chromium (SOLIDS)	0.13 mg/kg	Batch: 990740280042501A		0 (1)	92	92	1	95	95	0	80	120
1562	Petroleum Hydrocarbons (418.1)	11. mg/kg	Batch: 990680401156200A		0 (1)	85	82	4	97		61	109	

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Shady Jr
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LLI Sample No. SW 3105253

Collected: 3/ 4/99 at 10:50 by CS

Submitted: 3/ 6/99 Reported: 3/24/99
Discard: 4/24/99

AB-2 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5547	8015	Mod. for Diesel	Batch: 990680004A M068									
	10.	mg/kg	N.D.		78			88	89	0	65	125
(1) The result for one or both determinations was less than five times the LOQ.												
2464		Methyl tertiary butyl ether	Batch: 99068A34									
	0.1	mg/kg	N.D.		65	66	2	82			54	129

5550	8015	Mod. for Gasoline & BTEX	Batch: 99068A34									
2603		Benzene										
	0.005	mg/kg	N.D.		87	91	4	95			65	118
2604		Toluene										
	0.005	mg/kg	N.D.		84	87	4	89			72	131
2606		Ethylbenzene										
	0.005	mg/kg	N.D.		91	94	4	96			73	123
5327		Total Xylenes										
	0.015	mg/kg	N.D.		87	90	4	93			72	126
5555		TPH - GRO CA LUFT (Soils)										
	1.	mg/kg	N.D.		102	105	2	111			76	117

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	81	62	131
5547 8015 Mod. for Diesel		Chlorobenz	53	50	150
		o-Terpheny	113	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	81	62	131
		TFT-F	74	54	144
8430 Purgeable Halocarbons (8010)		BrClBenz-H	79	49	123
		BrClBenz-P	88	52	131
8442 2-Chloroethyl Vinyl Ether		BrClBenz-H	79	49	123

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS ID	DATE AND TIME	ANALYST
1644	Antimony	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett

#Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Shely Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300



LLI Sample No. SW 3105253
Collected: 3/ 4/99 at 10:50 by CS

Submitted: 3/ 6/99 Reported: 3/24/99
Discard: 4/24/99

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

AB-2 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS			
			TRIAL	ID	DATE AND TIME	ANALYST
1646	Barium	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
1647	Beryllium	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
1649	Cadmium	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
1651	Chromium	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
1652	Cobalt	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
1653	Copper	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
1661	Nickel	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
1666	Silver	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
1671	Vanadium	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
5708	SW SW846 ICP Digest	SW-846 3050A	1		03/11/99 2358	Annamaria Stipkovits
6925	Thallium TR	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
6935	Arsenic TR	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
6936	Selenium TR	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
6955	Lead TR	SW-846 6010A	1		03/18/99 0229	Donna R. Sackett
6960	Molybdenum TR	SW-846 6010A	1		03/18/99 0229	Donna R. Sackett
6972	Zinc TR	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
0159	Mercury	SW-846 7471A	1		03/12/99 1034	Damary S. Valentin
5711	SW SW846 Hg Digest	SW-846 7471A modified	1		03/11/99 2358	Annamaria Stipkovits
8430	Purgeable Halocarbons (8010)	SW-846 8010B	1		03/18/99 1623	Gregory D. Pennebaker
8442	2-Chloroethyl Vinyl Ether	SW-846 8010B	1		03/18/99 1623	Gregory D. Pennebaker
0425	Hexavalent Chromium (SOLIDS)	SW-846 7196A	1		03/17/99 0020	Daniel S. Smith
1562	Petroleum Hydrocarbons (418.1)	EPA 418.1 modified	1		03/09/99 1428	Barbara J. Stefanow
7825	Hexavalent Cr (Extraction)	SW846 3060A	1		03/15/99 2100	Christina J. Gallerani
8125	TPH IR (SW), Prep.	EPA 418.1 modified	1		03/09/99 0845	Shannon L. Stanek
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/10/99 1956	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1		03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1		03/10/99 1001	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1		03/10/99 1001	Steven A. Skiles

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald L. Shelby Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



LLI Sample No. SW 3105254

Collected: 3/ 4/99 at 11:05 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
1644	Antimony	N.D.	2.7	mg/kg
1646	Barium	208.	0.20	mg/kg
1647	Beryllium	0.36	0.15	mg/kg
1649	Cadmium	1.62	0.16	mg/kg
1651	Chromium	31.1	0.74	mg/kg
1652	Cobalt	11.4	1.0	mg/kg
1653	Copper	51.3	0.25	mg/kg
1661	Nickel	34.7	1.0	mg/kg
1666	Silver	N.D.	0.77	mg/kg
1671	Vanadium	41.5	0.56	mg/kg
6925	Thallium TR	N.D.	0.67	mg/kg
6935	Arsenic TR	2.7	0.39	mg/kg
6936	Selenium TR	0.45	0.41	mg/kg
6955	Lead TR	6.3	0.40	mg/kg
6960	Molybdenum TR	N.D.	0.22	mg/kg
6972	Zinc TR	73.7	0.64	mg/kg
0159	Mercury	0.0927	0.0046	mg/kg

8430	Purgeable Halocarbons (8010)			

8563	Chloromethane	N.D.	10.	ug/kg
8564	Vinyl Chloride	N.D.	4.0	ug/kg
8565	Bromomethane	N.D.	10.	ug/kg
8566	Chloroethane	N.D.	4.0	ug/kg
8567	Trichlorofluoromethane	N.D.	4.0	ug/kg
8568	1,1-Dichloroethene	N.D.	4.0	ug/kg
8569	Methylene Chloride	N.D.	4.0	ug/kg
8571	trans-1,2-Dichloroethene	N.D.	4.0	ug/kg
8572	1,1-Dichloroethane	N.D.	4.0	ug/kg
8573	cis-1,2-Dichloroethene	N.D.	4.0	ug/kg
8576	Chloroform	N.D.	4.0	ug/kg
8578	1,2-Dichloroethane	N.D.	5.0	ug/kg
8579	1,1,1-Trichloroethane	N.D.	4.0	ug/kg
8581	Carbon Tetrachloride	N.D.	4.0	ug/kg

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 21:07:54 D 0001 22 REP 134751 656006
 288 145.00 00062800 ASR000

Donald J. Shelly Jr.
 for

Respectfully Submitted
 Michele Turner, B.A.
 Manager, Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105254

Collected: 3/ 4/99 at 11:05 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
8583	1,2-Dichloropropane	N.D.	4.0	ug/kg
8584	Trichloroethene	N.D.	4.0	ug/kg
8585	Bromodichloromethane	N.D.	4.0	ug/kg
8587	cis-1,3-Dichloropropene	N.D.	4.0	ug/kg
8588	trans-1,3-Dichloropropene	N.D.	4.0	ug/kg
8589	1,1,2-Trichloroethane	N.D.	4.0	ug/kg
8591	Dibromochloromethane	N.D.	4.0	ug/kg
8593	Tetrachloroethene	N.D.	4.0	ug/kg
8595	Chlorobenzene	N.D.	4.0	ug/kg
8596	Bromoform	N.D.	4.0	ug/kg
8597	1,1,2,2-Tetrachloroethane	N.D.	4.0	ug/kg

8442	2-Chloroethyl Vinyl Ether			

8586	2-Chloroethyl Vinyl Ether	N.D.	20.	ug/kg

0425	Hexavalent Chromium (SOLIDS)	N.D.	0.13	mg/kg
1562	Petroleum Hydrocarbons (418.1)	13.	11.	mg/kg
5547	8015 Mod. for Diesel	N.D.	10.	mg/kg
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).				
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg

5550	8015 Mod. for Gasoline & BTEX			

2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils)	N.D.	1.	mg/kg
According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern				

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald L. Shickly, Jr.
 for

Respectfully Submitted
 Michele Turner, B.A.
 Manager, Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105254

Collected: 3/ 4/99 at 11:05 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	RESULTS	AS RECEIVED REPORTING LIMIT	UNITS
---------	---------------	---------	-----------------------------	-------

to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).

 QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
1644 Antimony	2.7 mg/kg	Batch: 990705708003 N.D.	0 (1)	85	85	0	132			20	180
1646 Barium	0.20 mg/kg	Batch: 990705708003 N.D.	1	100	102	1	89			56	143
1647 Beryllium	0.15 mg/kg	Batch: 990705708003 N.D.	0 (1)	100	100	1	88			70	130
1649 Cadmium	0.16 mg/kg	Batch: 990705708003 N.D.	0 (1)	99	104	4	91			55	145
1651 Chromium	0.74 mg/kg	Batch: 990705708003 N.D.	4	128	143	5	96			69	131
1652 Cobalt	1.0 mg/kg	Batch: 990705708003 N.D.	0 (1)	103	104	1	92			63	136
1653 Copper	0.25 mg/kg	Batch: 990705708003 N.D.	1	105	119	4	97			62	138
1661 Nickel	1.0 mg/kg	Batch: 990705708003 N.D.	0	106	104	1	96			67	133
1666 Silver	0.77 mg/kg	Batch: 990705708003 N.D.	0 (1)	105	105	0	92			57	144
1671 Vanadium	0.56 mg/kg	Batch: 990705708003 N.D.	0	131	150	8	97			68	132
6925 Thallium TR	0.67 mg/kg	Batch: 990705708003 N.D.	0 (1)	101	101	0	91			57	143
6935 Arsenic TR	0.39 mg/kg	Batch: 990705708003 N.D.	0	96	96	1	98			62	138
6936 Selenium TR	0.41 mg/kg	Batch: 990705708003 N.D.	0 (1)	95	95	0	91			65	134
6955 Lead TR		Batch: 990705708003									

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly, Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 FAX 717-656-2321



LLI Sample No. SW 3105254

Collected: 3/ 4/99 at 11:05 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334

Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5547 8015 Mod. for Diesel		Batch: 990680004A M068									
10.	mg/kg	N.D.		78			88	89	0	65	125
(1) The result for one or both determinations was less than five times the LOQ.											
2464 Methyl tertiary butyl ether		Batch: 99068A34									
0.1	mg/kg	N.D.		65	66	2	82			54	129

5550 8015 Mod. for Gasoline & BTEX		Batch: 99068A34									

2603 Benzene											
0.005	mg/kg	N.D.		87	91	4	95			65	118
2604 Toluene											
0.005	mg/kg	N.D.		84	87	4	89			72	131
2606 Ethylbenzene											
0.005	mg/kg	N.D.		91	94	4	96			73	123
5327 Total Xylenes											
0.015	mg/kg	N.D.		87	90	4	93			72	126
5555 TPH - GRO CA LUFT (Soils)											
1.	mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2464 Methyl tertiary butyl ether	TFT	83	62	131
5547 8015 Mod. for Diesel	Chlorobenz	98	50	150
	o-Terpheny	119	50	150
5550 8015 Mod. for Gasoline & BTEX	TFT-P	83	62	131
	TFT-F	77	54	144
8430 Purgeable Halocarbons (8010)	BrClBenz-H	89	49	123
	BrClBenz-P	98	52	131
8442 2-Chloroethyl Vinyl Ether	BrClBenz-H	89	49	123

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
1644	Antimony	SW-846 6010A	1	03/12/99 0617	Donna R. Sackett

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shultz Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105254

Collected: 3/ 4/99 at 11:05 by CS

Submitted: 3/ 6/99 Reported: 3/24/99
Discard: 4/24/99

AB-2 (10-11) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS			
			TRIAL	ID	DATE AND TIME	ANALYST
1646	Barium	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
1647	Beryllium	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
1649	Cadmium	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
1651	Chromium	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
1652	Cobalt	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
1653	Copper	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
1661	Nickel	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
1666	Silver	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
1671	Vanadium	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
5708	SW SW846 ICP Digest	SW-846 3050B	1		03/11/99 2358	Annamaria Stipkovits
6925	Thallium TR	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
6935	Arsenic TR	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
6936	Selenium TR	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
6955	Lead TR	SW-846 6010A	1		03/18/99 0244	Donna R. Sackett
6960	Molybdenum TR	SW-846 6010A	1		03/18/99 0244	Donna R. Sackett
6972	Zinc TR	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
0159	Mercury	SW-846 7471A	1		03/12/99 1036	Damary S. Valentin
5711	SW SW846 Hg Digest	SW-846 7471A modified	1		03/11/99 2358	Annamaria Stipkovits
8430	Purgeable Halocarbons (8010)	SW-846 8010B	1		03/18/99 1702	Gregory D. Pennebaker
8442	2-Chloroethyl Vinyl Ether	SW-846 8010B	1		03/18/99 1702	Gregory D. Pennebaker
0425	Hexavalent Chromium (SOLIDS)	SW-846 7196A	1		03/17/99 0020	Daniel S. Smith
1562	Petroleum Hydrocarbons (418.1)	EPA 418.1 modified	1		03/09/99 1433	Barbara J. Stefanow
7825	Hexavalent Cr (Extraction)	SW846 3060A	1		03/15/99 2100	Christina J. Gallerani
8125	TPH IR (SW), Prep.	EPA 418.1 modified	1		03/09/99 0845	Shannon L. Stanek
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/10/99 1734	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1		03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1		03/10/99 1053	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1		03/10/99 1053	Steven A. Skiles

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Shady Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425





LLI Sample No. SW 3105255

Collected: 3/ 4/99 at 11:30 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
1644	Antimony	N.D.	2.7	mg/kg
1646	Barium	194.	0.20	mg/kg
1647	Beryllium	0.63	0.15	mg/kg
1649	Cadmium	1.63	0.16	mg/kg
1651	Chromium	29.7	0.74	mg/kg
1652	Cobalt	14.2	1.0	mg/kg
1653	Copper	75.7	0.25	mg/kg
1661	Nickel	43.1	1.0	mg/kg
1666	Silver	N.D.	0.77	mg/kg
1671	Vanadium	55.5	0.56	mg/kg
6925	Thallium TR	N.D.	0.67	mg/kg
6935	Arsenic TR	13.8	0.39	mg/kg
6936	Selenium TR	0.89	0.41	mg/kg
6955	Lead TR	9.4	0.40	mg/kg
6960	Molybdenum TR	0.55	0.22	mg/kg
6972	Zinc TR	122.	0.64	mg/kg
0159	Mercury	0.149	0.0047	mg/kg

8430	Purgeable Halocarbons (8010)			

8563	Chloromethane	N.D.	10.	ug/kg
8564	Vinyl Chloride	N.D.	4.0	ug/kg
8565	Bromomethane	N.D.	10.	ug/kg
8566	Chloroethane	N.D.	4.0	ug/kg
8567	Trichlorofluoromethane	N.D.	4.0	ug/kg
8568	1,1-Dichloroethene	N.D.	4.0	ug/kg
8569	Methylene Chloride	N.D.	4.0	ug/kg
8571	trans-1,2-Dichloroethene	N.D.	4.0	ug/kg
8572	1,1-Dichloroethane	N.D.	4.0	ug/kg
8573	cis-1,2-Dichloroethene	N.D.	4.0	ug/kg
8576	Chloroform	N.D.	4.0	ug/kg
8578	1,2-Dichloroethane	N.D.	5.0	ug/kg
8579	1,1,1-Trichloroethane	N.D.	4.0	ug/kg
8581	Carbon Tetrachloride	N.D.	4.0	ug/kg

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 21:11:03 D 0001 22 REP 134751 656006
 288 145.00 00062800 ASR000

Donald J. Shelby for

Respectfully Submitted
 Michele Turner, B.A.
 Manager, Volatiles



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717.656.2300 Fax 717.656.2681



LLI Sample No. SW 3105255

Collected: 3/ 4/99 at 11:30 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8583	1,2-Dichloropropane	N.D.	4.0	ug/kg
8584	Trichloroethene	N.D.	4.0	ug/kg
8585	Bromodichloromethane	N.D.	4.0	ug/kg
8587	cis-1,3-Dichloropropene	N.D.	4.0	ug/kg
8588	trans-1,3-Dichloropropene	N.D.	4.0	ug/kg
8589	1,1,2-Trichloroethane	N.D.	4.0	ug/kg
8591	Dibromochloromethane	N.D.	4.0	ug/kg
8593	Tetrachloroethene	N.D.	4.0	ug/kg
8595	Chlorobenzene	N.D.	4.0	ug/kg
8596	Bromoform	N.D.	4.0	ug/kg
8597	1,1,2,2-Tetrachloroethane	N.D.	4.0	ug/kg

8442	2-Chloroethyl Vinyl Ether			

8586	2-Chloroethyl Vinyl Ether	N.D.	20.	ug/kg

0425	Hexavalent Chromium (SOLIDS)	N.D.	0.13	mg/kg
1562	Petroleum Hydrocarbons (418.1)	N.D.	11.	mg/kg
5547	8015 Mod. for Diesel	N.D.	10.	mg/kg
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).				
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg

5550	8015 Mod. for Gasoline & BTEX			

2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils)	N.D.	1.	mg/kg
According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern				

#Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald L. Shelby Jr.

Respectfully Submitted
 Michele Turner, B.A.
 Manager, Volatiles



LLI Sample No. SW **3105255**
 Collected: 3/ 4/99 at 11:30 by CS

Submitted: 3/ 6/99 Reported: 3/24/99
 Discard: 4/24/99

AB-2 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

AS RECEIVED
 REPORTING
 LIMIT

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT	UNITS
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to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).

 QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
1644 Antimony 2.7	mg/kg	Batch: 990705708003 N.D.	0 (1)	85	85	0	132			20	180
1646 Barium 0.20	mg/kg	Batch: 990705708003 N.D.	1	100	102	1	89			56	143
1647 Beryllium 0.15	mg/kg	Batch: 990705708003 N.D.	0 (1)	100	100	1	88			70	130
1649 Cadmium 0.16	mg/kg	Batch: 990705708003 N.D.	0 (1)	99	104	4	91			55	145
1651 Chromium 0.74	mg/kg	Batch: 990705708003 N.D.	4	128	143	5	96			69	131
1652 Cobalt 1.0	mg/kg	Batch: 990705708003 N.D.	0 (1)	103	104	1	92			63	136
1653 Copper 0.25	mg/kg	Batch: 990705708003 N.D.	1	105	119	4	97			62	138
1661 Nickel 1.0	mg/kg	Batch: 990705708003 N.D.	0	106	104	1	96			67	133
1666 Silver 0.77	mg/kg	Batch: 990705708003 N.D.	0 (1)	105	105	0	92			57	144
1671 Vanadium 0.56	mg/kg	Batch: 990705708003 N.D.	0	131	150	8	97			68	132
6925 Thallium TR 0.67	mg/kg	Batch: 990705708003 N.D.	0 (1)	101	101	0	91			57	143
6935 Arsenic TR 0.39	mg/kg	Batch: 990705708003 N.D.	0	96	96	1	98			62	138
6936 Selenium TR 0.41	mg/kg	Batch: 990705708003 N.D.	0 (1)	95	95	0	91			65	134
6955 Lead TR		Batch: 990705708003									

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Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shady Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717.656.2300 Fax 717.656.2621



LLI Sample No. SW 3105255

Collected: 3/ 4/99 at 11:30 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
6960	0.40	mg/kg	N.D.	5	92	94	1	89			60	140
		TR	Batch: 990705708003									
6972	0.22	mg/kg	N.D.	0 (1)	96	96	0	96			66	134
		TR	Batch: 990705708003									
0159	0.64	mg/kg	1.16 mg/kg	1	109	116	2	93			61	139
		TR	Batch: 990705711001									
	0.0047	mg/kg	N.D.	0 (1)	106	102	5	94			49	151

8430	Purgeable Halocarbons (8010)		Batch: 99077A18									

8563	10.	ug/kg	N.D.		92	92	0	89			34	111
8564	4.0	ug/kg	N.D.		86	84	3	84			50	149
8565	10.	ug/kg	N.D.		100	98	2	96			61	114
8566	4.0	ug/kg	N.D.		90	89	1	87			62	115
8567	4.0	ug/kg	N.D.		92	90	2	88			70	130
8568	4.0	ug/kg	N.D.		81	79	2	79			73	110
(1) The result for one or both determinations was less than five times the LOQ.												
8569	4.0	ug/kg	N.D.		93	99	6	92			67	122
8571	4.0	ug/kg	N.D.		91	91	0	90			76	134
8572	4.0	ug/kg	N.D.		98	99	1	99			81	131
8573	4.0	ug/kg	N.D.		103	103	1	105			70	130
8576	4.0	ug/kg	N.D.		97	99	2	98			70	130
8578	5.0	ug/kg	N.D.		108	104	3	105			81	131

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Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelby Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717.656.2300 Fax 717.656.2621

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97



LLI Sample No. SW 3105255
 Collected: 3/ 4/99 at 11:30 by CS

Submitted: 3/ 6/99 Reported: 3/24/99
 Discard: 4/24/99

AB-2 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
8579	1,1,1-Trichloroethane 4.0 ug/kg	N.D.		90	92	3	94			82	113
8581	Carbon Tetrachloride 4.0 ug/kg	N.D.		89	89	1	90			76	115
8583	1,2-Dichloropropane 4.0 ug/kg	N.D.		106	103	3	106			85	125
8584	Trichloroethene 4.0 ug/kg	N.D.		85	89	4	90			68	119
8585	Bromodichloromethane 4.0 ug/kg	N.D.		100	99	1	99			88	123
8587	cis-1,3-Dichloropropene 4.0 ug/kg	N.D.		104	102	2	104			86	131
8588	trans-1,3-Dichloropropene 4.0 ug/kg	N.D.		111	108	3	109			80	134
8589	1,1,2-Trichloroethane 4.0 ug/kg	N.D.		108	105	3	105			90	138
8591	Dibromochloromethane 4.0 ug/kg	N.D.		101	96	5	99			90	121
8593	Tetrachloroethene 4.0 ug/kg	N.D.		94	92	2	96			79	118
8595	Chlorobenzene 4.0 ug/kg	N.D.		93	96	3	96			76	122
8596	Bromoform 4.0 ug/kg	N.D.		104	100	4	104			82	132
8597	1,1,2,2-Tetrachloroethane 4.0 ug/kg	N.D.		118	112	6	114			77	141

8442	2-Chloroethyl Vinyl Ether	Batch: 99077A18									

8586	2-Chloroethyl Vinyl Ether 20. ug/kg	N.D.		95	92	3	92			78	134
0425	Hexavalent Chromium (SOLIDS) 0.13 mg/kg	Batch: 990740280042501A N.D.	0 (1)	92	92	1	95	95	0	80	120
1562	Petroleum Hydrocarbons (418.1) 11. mg/kg	Batch: 990680401156200A N.D.	0 (1)	85	82	4	97			61	109

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Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelby Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717.656.2300 Fax 717.656.2681



LLI Sample No. SW 3105255

Collected: 3/ 4/99 at 11:30 by CS

Submitted: 3/ 6/99 Reported: 3/24/99

Discard: 4/24/99

AB-2 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334

Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5547	8015	Mod. for Diesel	Batch: 990680004A M068									
	10.	mg/kg	N.D.		78			88	89	0	65	125
(1) The result for one or both determinations was less than five times the LOQ.												
2464	Methyl tertiary butyl ether		Batch: 99068A34									
	0.1	mg/kg	N.D.		65	66	2	82			54	129

5550	8015	Mod. for Gasoline & BTEX	Batch: 99068A34									

2603	Benzene											
	0.005	mg/kg	N.D.		87	91	4	95			65	118
2604	Toluene											
	0.005	mg/kg	N.D.		84	87	4	89			72	131
2606	Ethylbenzene											
	0.005	mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes											
	0.015	mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)											
	1.	mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2464	Methyl tertiary butyl ether	87	62	131
5547	8015 Mod. for Diesel	60	50	150
	Chlorobenz	100	50	150
	o-Terpheny	87	62	131
5550	8015 Mod. for Gasoline & BTEX	81	54	144
	TFT-F	86	49	123
8430	Purgeable Halocarbons (8010)	86	52	131
	BrClBenz-H	97	49	123
	BrClBenz-P	86		
	BrClBenz-H			

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
1644	Antimony	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly Jr.

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717.656.2300 Fax 717.656.2621



LLI Sample No. SW 3105255
 Collected: 3/ 4/99 at 11:30 by CS

Submitted: 3/ 6/99 Reported: 3/24/99
 Discard: 4/24/99

AB-2 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		ANALYST
			TRIAL ID	DATE AND TIME	
1646	Barium	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
1647	Beryllium	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
1649	Cadmium	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
1651	Chromium	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
1652	Cobalt	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
1653	Copper	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
1661	Nickel	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
1666	Silver	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
1671	Vanadium	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
5708	SW SW846 ICP Digest	SW-846 3050A	1	03/11/99 2358	Annamaria Stipkovits
6925	Thallium TR	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
6935	Arsenic TR	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
6936	Selenium TR	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
6955	Lead TR	SW-846 6010A	1	03/18/99 0159	Donna R. Sackett
6960	Molybdenum TR	SW-846 6010A	1	03/18/99 0159	Donna R. Sackett
6972	Zinc TR	SW-846 6010A	1	03/12/99 0543	Donna R. Sackett
0159	Mercury	SW-846 7471A	1	03/12/99 1038	Damary S. Valentin
5711	SW SW846 Hg Digest	SW-846 7471A modified	1	03/11/99 2358	Annamaria Stipkovits
8430	Purgeable Halocarbons (8010)	SW-846 8010B	1	03/18/99 1742	Gregory D. Pennebaker
8442	2-Chloroethyl Vinyl Ether	SW-846 8010B	1	03/18/99 1742	Gregory D. Pennebaker
0425	Hexavalent Chromium (SOLIDS)	SW-846 7196A	1	03/17/99 0020	Daniel S. Smith
1562	Petroleum Hydrocarbons (418.1)	EPA 418.1 modified	1	03/09/99 1500	Barbara J. Stefanow
7825	Hexavalent Cr (Extraction)	SW846 3060A	1	03/15/99 2100	Christina J. Gallerani
8125	TPH IR (SW), Prep.	EPA 418.1 modified	1	03/09/99 0845	Shannon L. Stanek
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 1755	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 1135	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 1135	Steven A. Skiles

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shubly Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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



LLI Sample No. SW 3105256

Collected: 3/ 4/99 at 12:00 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-3 (4-5) Grab Soil Sample
LOC# 04-334 PRC# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	170.	10.	mg/kg
2464	Methyl tertiary butyl ether Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.	0.4	0.1	mg/kg

5550	8015 Mod. for Gasoline & BTEX			

2603	Benzene	N.D. #	0.04	mg/kg
2604	Toluene	0.09	0.04	mg/kg
2606	Ethylbenzene	1.9	0.04	mg/kg
5327	Total Xylenes	N.D. #	1.5	mg/kg
5555	TPH - GRO CA LUFT (Soils) According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons). Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.	280.	4.	mg/kg

Due to interferences from the sample matrix, the limits of quantitation for the above determinations were increased.

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS	LCS	LCS	LIMITS		
								DUP	RPD	LOW	HIGH		
5547 8015 Mod. for Diesel	10. mg/kg	Batch: 990680004A M068											
		N.D.		78			88	89	0	65	125		
2464 Methyl tertiary butyl ether	0.1 mg/kg	Batch: 99068A34											
		N.D.		65	66	2	82			54	129		

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

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ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
05:21:01 D 0001 22 134751 656006
673 0.00 00010600 ASR000

Donald J. Shelly Jr.

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



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



LLI Sample No. **SW 3105256**

Collected: 3/ 4/99 at 12:00 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-3 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH

5550 8015 Mod. for Gasoline & BTEX	Batch: 99068A34										
2603	Benzene										
0.04	mg/kg	N.D.		87	91	4	95			65	118
2604	Toluene										
0.04	mg/kg	N.D.		84	87	4	89			72	131
2606	Ethylbenzene										
0.04	mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes										
1.5	mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)										
4.	mg/kg	N.D.		102	105	2	111			76	117

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	18	62	131
5547 8015 Mod. for Diesel		Chlorobenz	114	50	150
		o-Terpheny	112	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	18	62	131
		TFT-F	0	54	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 1856	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 1216	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 1216	Steven A. Skiles

State of California Lab Certification No. 2116

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N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald L. Shelly, Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LLI Sample No. SW 3105257

Collected: 3/ 4/99 at 12:20 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-3 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene										
0.005	mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes										
0.015	mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)										
1.	mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	84	62	131
5547 8015 Mod. for Diesel		Chlorobenz	99	50	150
		o-Terpheny	118	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	84	62	131
		TFT-F	77	54	144

 LABORATORY CHRONICLE

CAT	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/11/99 1213	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/10/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 1301	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 1301	Steven A. Skiles

State of California Lab Certification No. 2116

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Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald L. Shultz Jr.

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



LLI Sample No. SW 3105258

Collected: 3/ 4/99 at 12:45 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-3 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	10.	10.	mg/kg
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg
5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils) According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).	N.D.	1.	mg/kg

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS		
										LOW	HIGH	
5547 8015 Mod. for Diesel	10. mg/kg	Batch: 990680004A M068										
		N.D.		78			88	89	0	65	125	
2464 Methyl tertiary butyl ether	0.1 mg/kg	Batch: 99068A34										
		N.D.		65	66	2	82			54	129	
5550 8015 Mod. for Gasoline & BTEX		Batch: 99068A34										
2603 Benzene	0.005 mg/kg	N.D.		87	91	4	95			65	118	
2604 Toluene	0.005 mg/kg	N.D.		84	87	4	89			72	131	

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ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:22:10 D 0001 22 134751 656006
 673 0.00 00010600 ASR000

Donald L. Shady Jr.

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105258

Collected: 3/ 4/99 at 12:45 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-3 (15-16) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene 0.005 mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes 0.015 mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils) 1. mg/kg	N.D.		102	105	2	111			76	117

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	86	62	131
5547 8015 Mod. for Diesel		Chlorobenz	87	50	150
		o-Terpheny	118	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	86	62	131
		TFT-F	79	54	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 1916	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 1344	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 1344	Steven A. Skiles

State of California Lab Certification No. 2116

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Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717.656.2300 Fax 717.656.2301



LLI Sample No. WW 3105259

Collected: 3/ 4/99 at 09:15 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-3 Grab Water Sample

LOC# 04-334-PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334

Rel.

CAT NO.	ANALYSIS NAME	RESULTS	AS RECEIVED REPORTING LIMIT	UNITS
5553	8015 Mod. for Diesel	2,100.	200.	ug/l
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The Limits of Quantitation (LOQ's) were raised accordingly.				

8209	BTEX, MTBE (8020)			
0776	Benzene	210.	0.3	ug/l
0777	Toluene	7.5	0.3	ug/l
0778	Ethylbenzene	660.	1.	ug/l
0779	Total Xylenes	34.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.				

8268 8015 Mod. for Gasoline

5554 TPH-GRO (CA LUFT) 4,300. 100. ug/l

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
5553 8015 Mod. for Diesel	200. ug/l	Batch: 990690007A M070									
		N.D.					84	79	6	50	120
8209 BTEX, MTBE (8020)		Batch: 99068A16									
0776 Benzene	0.3 ug/l	N.D.		111	112	0	108			81	124
0777 Toluene											

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

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ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:22:43 D 0001 22 134751 656006
 673 0.00 00010100 ASR000

Donald L. Shelly Jr.
for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. WW 3105259

Collected: 3/ 4/99 at 09:15 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-3 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334

Rel.

SAMPLE RPT	LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
0778	0.3	ug/l	N.D.		106	104	1	100			84	119
		Ethylbenzene										
0779	1.	ug/l	N.D.		103	101	2	99			82	118
		Total Xylenes										
0780	0.6	ug/l	N.D.		104	102	2	101			81	120
		Methyl tert-Butyl Ether										
	10.	ug/l	N.D.		107	107	0	102			79	125

8268	8015	Mod. for Gasoline	Batch: 99068A16									

5554	TPH-GRO	(CA LUFT)			96	89	7	107			72	124
	100.	ug/l	N.D.									

 SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
5553 8015 Mod. for Diesel	Chlorobenz	111	50	150
	o-Terpheny	121	50	150
8209 BTEX, MTBE (8020)	TFT	132	77	125
8268 8015 Mod. for Gasoline	TFT	99	61	133

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
2135	Extraction - DRO Water Special	TPH by CA LUFT	1	03/12/99 0930	Denise L. Trimby
5553	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/14/99 2238	Melissa A. McDermott
8209	BTEX, MTBE (8020)	SW-846 8020A	1	03/10/99 2057	K. Robert James
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	03/10/99 2015	K. Robert James

State of California Lab Certification No. 2116

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Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald L. Shedy Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717 656-2300 Fax 717 656-2301



LLI Sample No. SW 3105260

Collected: 3/ 4/99 at 15:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-4 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	RESULTS	AS RECEIVED REPORTING LIMIT	UNITS
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	100.	10.	mg/kg
2464	Methyl tertiary butyl ether Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.	N.D. #	0.5	mg/kg

Due to interferences from the sample matrix, the limit of quantitation for the MTBE determination was increased.

5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	0.2	0.2	mg/kg
2604	Toluene	N.D. #	0.2	mg/kg
2606	Ethylbenzene	18.	0.2	mg/kg
5327	Total Xylenes	62.	0.50	mg/kg
5555	TPH - GRO CA LUFT (Soils)	1,100.	20.	mg/kg

According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).
Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

Due to interferences from the sample matrix, the limits of quantitation for the above determinations were increased.

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5547	8015 Mod. for Diesel	Batch: 990680004A M068									

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

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Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
05:23:17 D 0001 22 134751 656006
673 0.00 00010600 ASR000

Donald J. Shultz
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



LLI Sample No. SW 3105260

Collected: 3/ 4/99 at 15:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-4 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
10.	mg/kg	N.D.		78			88	89	0	65	125
2464	Methyl tertiary butyl ether	Batch: 99068A34									
0.5	mg/kg	N.D.		65	66	2	82			54	129

5550	8015 Mod. for Gasoline & BTEX	Batch: 99068A34									

2603	Benzene			87	91	4	95			65	118
0.2	mg/kg	N.D.									
2604	Toluene			84	87	4	89			72	131
0.2	mg/kg	N.D.									
2606	Ethylbenzene			91	94	4	96			73	123
0.2	mg/kg	N.D.									
5327	Total Xylenes			87	90	4	93			72	126
0.50	mg/kg	N.D.									
5555	TPH - GRO CA LUFT (Soils)			102	105	2	111			76	117
20.	mg/kg	N.D.									

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	6	62	131
5547 8015 Mod. for Diesel		Chlorobenz	(5)	50	150
		o-Terpheny	118	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	6	62	131
		TFT-F	8	54	144

(5) Accurate surrogate recoveries could not be determined due to interferences or dilution necessary for this sample.

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS	
				DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 2056	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 1447	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 1447	Steven A. Skiles

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N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald L. Shady Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LLI Sample No. SW 3105260

Collected: 3/ 4/99 at 15:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-4 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425





LLI Sample No. SW 3105261

Collected: 3/ 4/99 at 16:00 by CS

Submitted: 3/ 6/99 Reported: 3/25/99
Discard: 4/25/99

AB-4 (10-11) Grab Soil Sample
LOC# 04-334 PRC# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). The quantitation limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.	700.	50.	mg/kg
2307	MTBE by GC/MS (soil)			
2016	Methyl t-butyl ether The quantitation limits for methyl t-butyl ether were raised due to the presence of high levels of non-target compounds.	N.D. #	100.	ug/kg
2464	Methyl tertiary butyl ether Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.	8.	1.	mg/kg
5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	3.4	0.4	mg/kg
2604	Toluene	18.	0.4	mg/kg
2606	Ethylbenzene	38.	0.4	mg/kg
5327	Total Xylenes	170.	1.0	mg/kg
5555	TPH - GRO CA LUFT (Soils) According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons). Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.	2,600.	40.	mg/kg

QUALITY CONTROL REPORT

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
23:05:20 D 0001 22 REP 134751 656006
288 0.00 00020100 ASR000

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425





LLI Sample No. SW **3105261**

Collected: 3/ 4/99 at 16:00 by CS

Submitted: 3/ 6/99 Reported: 3/25/99

Discard: 4/25/99

AB-4 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE	SAMPLE	DUP	MS	LCS	LCS	LCS LIMITS	
SAMPLE RPT LIM	SAMPLE UNITS	DUP RPD	MS MS	MS RPD	LCS DUP	LCS RPD	LCS LIMITS LOW HIGH
5547 8015 Mod. for Diesel	50. mg/kg	BLANK Batch: 990680004A M070 N.D.	78		88 89	0	65 125
-----		Batch: 99076A70					
2307 MTBE by GC/MS (soil)	2016 Methyl t-butyl ether	N.D. #	94 92	2	91		70 130
	100. ug/kg						
2464 Methyl tertiary butyl ether	1. mg/kg	Batch: 99068A34 N.D.	65 66	2	82		54 129
-----		Batch: 99068A34					
5550 8015 Mod. for Gasoline & BTEX	2603 Benzene	N.D.	87 91	4	95		65 118
	0.4 mg/kg						
	2604 Toluene	N.D.	84 87	4	89		72 131
	0.4 mg/kg						
	2606 Ethylbenzene	N.D.	91 94	4	96		73 123
	0.4 mg/kg						
	5327 Total Xylenes	N.D.	87 90	4	93		72 126
	1.0 mg/kg						
	5555 TPH - GRO CA LUFT (Soils)	N.D.	102 105	2	111		76 117
	40. mg/kg						

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2307 MTBE by GC/MS (soil)	DBFM	90	80	120
2464 Methyl tertiary butyl ether	TFT	5	62	131
5547 8015 Mod. for Diesel	Chlorobenz	(5)	50	150
	o-Terpheny	124	50	150
5550 8015 Mod. for Gasoline & BTEX	TFT-P	5	62	131
	TFT-F	0	54	144

(5) Accurate surrogate recoveries could not be determined due to interferences or dilution necessary for this sample.

#-Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Steve Harding
for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105261
Collected: 3/ 4/99 at 16:00 by CS

Submitted: 3/ 6/99 Reported: 3/25/99
Discard: 4/25/99

AB-4 (10-11) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW HIGH
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LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/11/99 1032	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1		03/09/99 1630	Sally L. Appleyard
2307	MTBE by GC/MS (soil)	SW846 Method 8260	1		03/18/99 2109	Melanie D. Rittenhouse
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1		03/10/99 1802	Paul Vogel
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1		03/10/99 1802	Paul Vogel

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425





LLI Sample No. SW 3105262

Collected: 3/ 4/99 at 16:15 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-4 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
5547	8015 Mod. for Diesel	N.D.	10.	mg/kg
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).				
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg

5550	8015 Mod. for Gasoline & BTEX			

2603	Benzene	0.005	0.005	mg/kg
2604	Toluene	0.011	0.005	mg/kg
2606	Ethylbenzene	0.038	0.005	mg/kg
5327	Total Xylenes	0.12	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils)	2.8	1.	mg/kg
According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).				

 QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS		
										LOW	HIGH	
5547	8015 Mod. for Diesel	Batch: 990680004A M068										
10.	mg/kg	N.D.		78			88	89	0	65	125	
2464	Methyl tertiary butyl ether	Batch: 99068A34										
0.1	mg/kg	N.D.		65	66	2	82			54	129	

5550	8015 Mod. for Gasoline & BTEX	Batch: 99068A34										
2603	Benzene											
0.005	mg/kg	N.D.		87	91	4	95			65	118	
2604	Toluene											
0.005	mg/kg	N.D.		84	87	4	89			72	131	

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:24:30 D 0001 22 134751 656006
 673 0.00 00010600 ASR000

Donald J. Shedy Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105262

Collected: 3/ 4/99 at 16:15 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-4 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
2606	Ethylbenzene											
	0.005	mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes											
	0.015	mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)											
	1.	mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2464	Methyl tertiary butyl ether	TFT	62	131
5547	8015 Mod. for Diesel	Chlorobenz	50	150
		o-Terpheny	50	150
5550	8015 Mod. for Gasoline & BTEX	TFT-P	62	131
		TFT-F	54	144

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 2016	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 1852	Paul Vogel
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 1852	Paul Vogel

State of California Lab Certification No. 2216

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105263

Collected: 3/ 4/99 at 13:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-5 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	N.D.	10.	mg/kg
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg
5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils) According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).	N.D.	1.	mg/kg

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5547 8015 Mod. for Diesel	10. mg/kg	Batch: 990680004A M068									
		N.D.		78			88	89	0	65	125
2464 Methyl tertiary butyl ether	0.1 mg/kg	Batch: 99068A34									
		N.D.		65	66	2	82			54	129
5550 8015 Mod. for Gasoline & BTEX		Batch: 99068A34									
2603 Benzene	0.005 mg/kg	N.D.		87	91	4	95			65	118
2604 Toluene	0.005 mg/kg	N.D.		84	87	4	89			72	131

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
05:25:01 D 0001 22 134751 656006
673 0.00 00010600 ASR000

Donald J. Shelly Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LLI Sample No. SW 3105263

Collected: 3/ 4/99 at 13:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-5 (4-5) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene	0.005 mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes	0.015 mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)	1. mg/kg	N.D.		102	105	2	111			76	117

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2464	Methyl tertiary butyl ether	TFT	62	131
5547	8015 Mod. for Diesel	Chlorobenz	50	150
		o-Terpheny	50	150
5550	8015 Mod. for Gasoline & BTEX	TFT-P	62	131
		TFT-F	54	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 2036	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 2007	Paul Vogel
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 2007	Paul Vogel

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Shady
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LLI Sample No. SW 3105264

Collected: 3/ 4/99 at 14:00 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-5 (10-11) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	N.D.	10.	mg/kg
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg
5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils) According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).	N.D.	1.	mg/kg

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS		
										LOW	HIGH	
5547	8015 Mod. for Diesel	Batch: 990680004A M068										
10.	mg/kg	N.D.		78			88	89	0	65	125	
2464	Methyl tertiary butyl ether	Batch: 99068A34										
0.1	mg/kg	N.D.		65	66	2	82			54	129	
5550	8015 Mod. for Gasoline & BTEX	Batch: 99068A34										
2603	Benzene											
0.005	mg/kg	N.D.		87	91	4	95			65	118	
2604	Toluene											
0.005	mg/kg	N.D.		84	87	4	89			72	131	

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:25:32 D 0001 22 134751 656006
 673 0.00 00010600 ASR000

Donald J. Shelby Jr.

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. SW 3105264

Collected: 3/ 4/99 at 14:00 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-5 (10-11) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene										
0.005	mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes										
0.015	mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)										
1.	mg/kg	N.D.		102	105	2	111			76	117

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	81	62	131
5547 8015 Mod. for Diesel		Chlorobenz	67	50	150
		o-Terpheny	109	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	81	62	131
		TFT-F	73	54	144

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 1936	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 2052	Paul Vogel
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 2052	Paul Vogel

State of California Lab Certification No. 2116

#Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelby Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425





LLI Sample No. SW 3105265

Collected: 3/ 4/99 at 14:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-5 (15-16) Grab Soil Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
5547	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).	N.D.	10.	mg/kg
2464	Methyl tertiary butyl ether	N.D.	0.1	mg/kg
5550	8015 Mod. for Gasoline & BTEX			
2603	Benzene	N.D.	0.005	mg/kg
2604	Toluene	N.D.	0.005	mg/kg
2606	Ethylbenzene	N.D.	0.005	mg/kg
5327	Total Xylenes	N.D.	0.015	mg/kg
5555	TPH - GRO CA LUFT (Soils) According to the California LUFT Protocol, the quantitation for Gasoline Range Organics was performed by peak area comparison of the sample pattern to that of a gasoline reference standard (between C6 and C12 normal hydrocarbons).	N.D.	1.	mg/kg

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS LIMITS HIGH
5547 8015 Mod. for Diesel 10.	mg/kg	Batch: 990690002A M070 N.D.		70			89	94	5	65	125
2464 Methyl tertiary butyl ether 0.1	mg/kg	Batch: 99068A34 N.D.		65	66	2	82			54	129
5550 8015 Mod. for Gasoline & BTEX		Batch: 99068A34									
2603 Benzene 0.005	mg/kg	N.D.		87	91	4	95			65	118
2604 Toluene 0.005	mg/kg	N.D.		84	87	4	89			72	131

#-Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
05:26:03 D 0001 22 134751 656006
673 0.00 00010600 ASR000

Donald L. Shady Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petro1. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LLI Sample No. SW 3105265

Collected: 3/ 4/99 at 14:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-5 (15-16) Grab Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2606	Ethylbenzene										
0.005	mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes										
0.015	mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils)										
1.	mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	84	62	131
5547 8015 Mod. for Diesel		Chlorobenz	104	50	150
		o-Terpheny	124	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	84	62	131
		TFT-F	77	54	144

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/11/99 1253	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/10/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/10/99 2201	Paul Vogel
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/99 2201	Paul Vogel

State of California Lab Certification No. 2116

#Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425





Lancaster Laboratories

A division of Thermo Analytical Inc.

LLI Sample No. WW 3105266

Collected: 3/ 4/99 at 16:45 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-4 Grab Water Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
5553	8015 Mod. for Diesel	5,500.	1,000.	ug/l
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). The quantitation limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.				
8209	BTEX, MTBE (8020)			
0776	Benzene	100.	0.3	ug/l
0777	Toluene	43.	0.3	ug/l
0778	Ethylbenzene	170.	0.3	ug/l
0779	Total Xylenes	260.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
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.				
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	2,900.	50.	ug/l
Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.				

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5553 8015 Mod. for Diesel	1,000. ug/l	Batch: 990690007A M074	N.D.				84	79	6	50	120
8209 BTEX, MTBE (8020)		Batch: 99068A16									

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
05:26:34 D 0001 22 134751 656006
673 0.00 00010100 ASR000

Donald J. Shelly
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425





LLI Sample No. WW 3105266

Collected: 3/ 4/99 at 16:45 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-4 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334

Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
0776	Benzene										
	0.3 ug/l	N.D.		111	112	0	108			81	124
0777	Toluene										
	0.3 ug/l	N.D.		106	104	1	100			84	119
0778	Ethylbenzene										
	0.3 ug/l	N.D.		103	101	2	99			82	118
0779	Total Xylenes										
	0.6 ug/l	N.D.		104	102	2	101			81	120
0780	Methyl tert-Butyl Ether										
	10. ug/l	N.D.		107	107	0	102			79	125

8268	8015 Mod. for Gasoline	Batch: 99068A16									

5554	TPH-GRO (CA LUFT)										
	50. ug/l	N.D.		96	89	7	107			72	124

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
5553 8015 Mod. for Diesel		Chlorobenz	50	50	150
		o-Terpheny	73	50	150
8209 BTEX, MTBE (8020)		TFT	116	77	125
8268 8015 Mod. for Gasoline		TFT	152	61	133

LABORATORY CHRONICLE

CAT	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
2135	Extraction - DRO Water Special	TPH by CA LUFT	1	03/12/99 0930	Denise L. Trimby
5553	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/15/99 1639	Melissa A. McDermott
8209	BTEX, MTBE (8020)	SW-846 8020A	1	03/11/99 0039	K. Robert James
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	03/11/99 0039	K. Robert James

State of California Lab Certification No. 2116

#Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald L. Shady Jr
for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425





LLI Sample No. WW 3105267

Collected: 3/ 5/99 at 10:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-5 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	REPORTING LIMIT	UNITS
5553	8015 Mod. for Diesel	1,600.	500.	ug/l
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Due to interferences from the sample matrix (high sediment content), the limit of quantitation for the TPH-DRO determination was increased.				

8209	BTEX, MTBE (8020)			
0776	Benzene	N.D.	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	1.9	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
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.				

8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

QUALITY CONTROL REPORT

	SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS	LCS	LCS	LCS	LCS
									DUP	RPD	LOW	HIGH	
5553	8015 Mod. for Diesel	500. ug/l	Batch: 990690007A M074 N.D.					84	79	6	50	120	
8209	BTEX, MTBE (8020)		Batch: 99068A16										
0776	Benzene												

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jeddiah E. Turzi at (717) 656-2300
 05:27:10 D 0001 22 134751 656006
 673 0.00 00010100 ASR000

Donald J. Shady, Jr.
for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. WW 3105267

Collected: 3/ 5/99 at 10:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-5 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334

Rel.

SAMPLE RPT	SAMPLE LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
0777	0.3	ug/l	N.D.		111	112	0	108			81	124
		Toluene										
0778	0.3	ug/l	N.D.		106	104	1	100			84	119
		Ethylbenzene										
0779	0.3	ug/l	N.D.		103	101	2	99			82	118
		Total Xylenes										
0780	0.6	ug/l	N.D.		104	102	2	101			81	120
		Methyl tert-Butyl Ether										
	10.	ug/l	N.D.		107	107	0	102			79	125

8268	8015	Mod. for Gasoline	Batch: 99068A16									

5554	TPH-GRO (CA LUFT)		N.D.		96	89	7	107			72	124
	50.	ug/l										

 SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
5553 8015 Mod. for Diesel		Chlorobenz	54	50	150
		o-Terpheny	121	50	150
8209 BTEX, MTBE (8020)		TFT	100	77	125
8268 8015 Mod. for Gasoline		TFT	83	61	133

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS ID	DATE AND TIME	ANALYST
2135	Extraction - DRO Water Special	TPH by CA LUFT	1		03/12/99 0930	Denise L. Trimby
5553	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/15/99 1145	Melissa A. McDermott
8209	BTEX, MTBE (8020)	SW-846 8020A	1		03/11/99 0153	K. Robert James
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1		03/11/99 0153	K. Robert James

State of California Lab Certification No. 2116

#Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelby Jr.

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. WW 3105268

Collected: 3/ 5/99 at 10:00 by CS

Submitted: 3/ 6/99 Reported: 3/29/99

Discard: 4/29/99

AB-2 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8405	Purgeable Halocarbons (8010)			
8484	Chloromethane	N.D.	0.50	ug/l
8485	Vinyl Chloride	N.D.	0.20	ug/l
8487	Bromomethane	N.D.	0.50	ug/l
8488	Chloroethane	N.D.	0.20	ug/l
8489	Trichlorofluoromethane	N.D.	0.20	ug/l
8490	1,1-Dichloroethene	N.D.	0.20	ug/l
8492	Methylene Chloride	N.D.	0.20	ug/l
8494	trans-1,2-Dichloroethene	N.D.	0.20	ug/l
8496	1,1-Dichloroethane	N.D.	0.20	ug/l
8498	cis-1,2-Dichloroethene	N.D.	0.20	ug/l
8502	Chloroform	N.D.	0.20	ug/l
8504	1,2-Dichloroethane	N.D.	0.30	ug/l
8506	1,1,1-Trichloroethane	N.D.	0.20	ug/l
8509	Carbon Tetrachloride	N.D.	0.20	ug/l
8511	1,2-Dichloropropane	N.D.	0.20	ug/l
8512	Trichloroethene	N.D.	0.20	ug/l
8514	Bromodichloromethane	N.D.	0.20	ug/l
8516	cis-1,3-Dichloropropene	N.D.	0.20	ug/l
8517	trans-1,3-Dichloropropene	N.D.	0.20	ug/l
8518	1,1,2-Trichloroethane	N.D.	0.20	ug/l
8520	Dibromochloromethane	N.D.	0.20	ug/l
8523	Tetrachloroethene	N.D.	0.20	ug/l
8526	Chlorobenzene	N.D.	0.20	ug/l
8527	Bromoform	N.D.	0.20	ug/l
8528	1,1,2,2-Tetrachloroethane	N.D.	0.20	ug/l
8412	Dichlorodifluoromethane			
8483	Dichlorodifluoromethane	N.D.	0.20	ug/l
8419	2-Chloroethyl Vinyl Ether			

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
08:52:04 D 0001 22 REP 134751 656006
288 0.00 00022900 ASR000

Donald I. Shelly Jr.
for

Respectfully Submitted
Michele Turner, B.A.
Manager, Volatiles



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425

10



LLI Sample No. WW 3105268

Collected: 3/ 5/99 at 10:00 by CS

Submitted: 3/ 6/99 Reported: 3/29/99

Discard: 4/29/99

AB-2 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		UNITS
		RESULTS	REPORTING LIMIT	
8515	2-Chloroethyl Vinyl Ether The GC volatile sample was preserved with 1 + 1 HCL to pH < 2. Low recovery of acid labile compounds, such as 2-chloroethyl vinyl ether, is likely to occur.	N.D.	1.0	ug/l
1126	Petroleum Hydrocarbons (418.1) Sufficient sample volume was not available to perform matrix QC for this analysis. Therefore, an LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.	1.00	0.16	mg/l
5553	8015 Mod. for Diesel According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Due to interferences from the sample matrix (high sediment content), the limit of quantitation for the TPH-DRO determination was increased.	730.	200.	ug/l
8209	BTEX, MTBE (8020)			
0776	Benzene	N.D.	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	0.8	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
0780	Methyl tert-Butyl Ether 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.	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

QUALITY CONTROL REPORT

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
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Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly Jr.
for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425





LLI Sample No. WW 3105268

Collected: 3/ 5/99 at 10:00 by CS

Submitted: 3/ 6/99 Reported: 3/29/99

Discard: 4/29/99

AB-2 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT NO.	ANALYSIS NAME	RESULTS	AS RECEIVED REPORTING LIMIT		UNITS	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS	
			DUP RPD	MS						MSD	LOW
8405 Purgeable Halocarbons (8010)		Batch: 99073A18									
8484	Chloromethane 0.50 ug/l	N.D.		96	102	6	103			41	150
8485	Vinyl Chloride 0.20 ug/l	N.D.		93	96	3	99			47	128
8487	Bromomethane 0.50 ug/l	N.D.		88	89	1	92			56	131
8488	Chloroethane 0.20 ug/l	N.D.		89	90	1	94			60	115
8489	Trichlorofluoromethane 0.20 ug/l	N.D.		91	93	2	95			49	138
8490	1,1-Dichloroethene 0.20 ug/l	N.D.		103	102	1	106			65	142
8492	Methylene Chloride 0.20 ug/l	N.D.		100	101	1	103			70	134
8494	trans-1,2-Dichloroethene 0.20 ug/l	N.D.		100	98	2	100			80	125
8496	1,1-Dichloroethane 0.20 ug/l	N.D.		106	104	2	107			81	127
8498	cis-1,2-Dichloroethene 0.20 ug/l	N.D.		109	106	3	108			77	138
8502	Chloroform 0.20 ug/l	N.D.		106	104	2	105			82	130
8504	1,2-Dichloroethane 0.30 ug/l	N.D.		105	105	0	106			83	127
8506	1,1,1-Trichloroethane 0.20 ug/l	N.D.		104	102	2	104			80	131
8509	Carbon Tetrachloride 0.20 ug/l	N.D.		99	97	2	102			82	132

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Donald J. Shady Jr.

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LLI Sample No. WW 3105268

Collected: 3/ 5/99 at 10:00 by CS

Submitted: 3/ 6/99 Reported: 3/29/99

Discard: 4/29/99

AB-2 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Re1.

SAMPLE RPT	LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LIMITS HIGH
8511	1,2-Dichloropropane	0.20 ug/l	N.D.		100	98	2	102			86	124
8512	Trichloroethene	0.20 ug/l	N.D.		99	99	0	100			84	123
8514	Bromodichloromethane	0.20 ug/l	N.D.		94	92	1	102			81	126
8516	cis-1,3-Dichloropropene	0.20 ug/l	N.D.		91	92	0	99			82	130
8517	trans-1,3-Dichloropropene	0.20 ug/l	N.D.		96	96	0	104			83	129
8518	1,1,2-Trichloroethane	0.20 ug/l	N.D.		97	97	0	101			86	130
8520	Dibromochloromethane	0.20 ug/l	N.D.		81	82	1	100			79	126
8523	Tetrachloroethene	0.20 ug/l	N.D.		101	96	5	103			82	134
8526	Chlorobenzene	0.20 ug/l	N.D.		102	101	1	103			84	122
8527	Bromoform	0.20 ug/l	N.D.		75	76	1	103			68	132
8528	1,1,2,2-Tetrachloroethane	0.20 ug/l	N.D.		104	104	0	108			80	131

8412	Dichlorodifluoromethane		Batch: 99073A18									

8483	Dichlorodifluoromethane	0.20 ug/l	N.D.		98	99	0	107			18	174

8419	2-Chloroethyl Vinyl Ether		Batch: 99073A18									

8515	2-Chloroethyl Vinyl Ether	1.0 ug/l	N.D.		0	0	0	105			59	150
1126	Petroleum Hydrocarbons (418.1)	0.16 mg/l	Batch: 990700401112600A									
5553	8015 Mod. for Diesel		Batch: 990690007A M074		0 (1)			84	88	5	66	106

#-Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425





LLI Sample No. **WW 3105268**

Collected: 3/ 5/99 at 10:00 by CS

Submitted: 3/ 6/99 Reported: 3/29/99

Discard: 4/29/99

AB-2 Grab Water Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LOW	LCS HIGH
200.	ug/l	N.D.					84	79	6	50	120
8209 BTEX, MTBE (8020)		Batch: 99068A16									
0776	Benzene										
	0.3 ug/l	N.D.		111	112	0	108			81	124
0777	Toluene										
	0.3 ug/l	N.D.		106	104	1	100			84	119
0778	Ethylbenzene										
	0.3 ug/l	N.D.		103	101	2	99			82	118
0779	Total Xylenes										
	0.6 ug/l	N.D.		104	102	2	101			81	120
0780	Methyl tert-Butyl Ether										
	10. ug/l	N.D.		107	107	0	102			79	125
8268 8015 Mod. for Gasoline		Batch: 99068A16									
5554	TPH-GRO (CA LUFT)										
	50. ug/l	N.D.		96	89	7	107			72	124

(1) The result for one or both determinations was less than five times the LOQ.

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
5553 8015 Mod. for Diesel	Chlorobenz	74	50	150
	o-Terpheny	110	50	150
8209 BTEX, MTBE (8020)	TFT	101	77	125
	TFT	83	61	133
8268 8015 Mod. for Gasoline	BrClBenz-H	93	70	133
	BrClBenz-P	95	78	133
8405 Purgeable Halocarbons (8010)	BrClBenz-H	93	70	133
	BrClBenz-H	93	70	133
8412 Dichlorodifluoromethane	BrClBenz-H	93	70	133
8419 2-Chloroethyl Vinyl Ether	BrClBenz-H	93	70	133

LABORATORY CHRONICLE

CAT

ANALYSIS

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelly Jr.
for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425





LLI Sample No. WW 3105268

Collected: 3/ 5/99 at 10:00 by CS

Submitted: 3/ 6/99 Reported: 3/29/99

Discard: 4/29/99

AB-2 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

CAT

ANALYSIS

NO	ANALYSIS NAME	METHOD	TRIAL ID	DATE AND TIME	ANALYST
8405	Purgeable Halocarbons (8010)	SW-846 8010B	1	03/16/99 1522	Dale R. Rhodes
8412	Dichlorodifluoromethane	SW-846 8010B	1	03/16/99 1522	Dale R. Rhodes
8419	2-Chloroethyl Vinyl Ether	SW-846 8010B	1	03/16/99 1522	Dale R. Rhodes
1126	Petroleum Hydrocarbons (418.1)	EPA 418.1	1	03/12/99 0851	Shannon L. Stanek
8124	TPH IR (W), Prep.	EPA 418.1	1	03/11/99 0815	Shannon L. Stanek
2135	Extraction - DRO Water Special	TPH by CA LUFT	1	03/12/99 0930	Denise L. Trimby
5553	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/15/99 1205	Melissa A. McDermott
8209	BTEX, MTBE (8020)	SW-846 8020A	1	03/11/99 0230	K. Robert James
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	03/11/99 0230	K. Robert James

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald L. Shultz Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425

LAB



LLI Sample No. WW 3105269

Collected: 3/ 5/99 at 08:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

AB-1 Grab Water Sample

LOC# 04-334 PRCA# 980044 PHC# 2L

Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	REPORTING LIMIT	UNITS
---------	---------------	---------	-----------------	-------

5553	8015 Mod. for Diesel	450.	200.	ug/l
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).				
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The Limits of Quantitation (LOQ's) were raised accordingly.				

 8209 BTEX, MTBE (8020)

0776	Benzene	N.D.	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	N.D.	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l

 8268 8015 Mod. for Gasoline

5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l
------	-------------------	------	-----	------

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP			MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS		
			RPD	MS	MSD							LOW	HIGH	
5553	8015 Mod. for Diesel	Batch: 990690007A M070												
200.	ug/l	N.D.							84	79	6	50	120	

8209	BTEX, MTBE (8020)	Batch: 99068A16												
0776	Benzene													
	0.3 ug/l	N.D.		111	112		0	108				81	124	
0777	Toluene													
	0.3 ug/l	N.D.		106	104		1	100				84	119	
0778	Ethylbenzene													

#Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Tom Seeliger

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 05:28:50 D 0001 22 134751 656006
 673 0.00 00010100 ASR000

Donald L. Shesky Jr.
for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425





LLI Sample No. WW 3105269

Collected: 3/ 5/99 at 08:30 by CS

Submitted: 3/ 6/99 Reported: 3/23/99
Discard: 4/23/99

AB-1 Grab Water Sample
LOC# 04-334 PRCA# 980044 PHC# 2L
Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 04-334
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
0779	0.3 ug/l Total Xylenes	N.D.		103	101	2	99			82	118
0780	0.6 ug/l Methyl tert-Butyl Ether	N.D.		104	102	2	101			81	120
	10. ug/l	N.D.		107	107	0	102			79	125

8268	8015 Mod. for Gasoline	Batch: 99068A16									
5554	TPH-GRO (CA LUFT)										
	50. ug/l	N.D.		96	89	7	107			72	124

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
5553 8015 Mod. for Diesel	Chlorobenz	78	50	150
	o-Terpheny	110	50	150
8209 BTEX, MTBE (8020)	TFT	102	77	125
8268 8015 Mod. for Gasoline	TFT	83	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	ANALYSIS		
			TRIAL ID	DATE AND TIME	ANALYST
2135	Extraction - DRO Water Special	TPH by CA LUFT	1	03/12/99 0930	Denise L. Trimby
5553	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/14/99 2258	Melissa A. McDermott
8209	BTEX, MTBE (8020)	SW-846 8020A	1	03/10/99 1635	K. Robert James
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	03/10/99 1635	K. Robert James

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Shelby Jr.

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717.656.2300 Fax 717.656.2601





LLI Sample No. SW 3105270

Collected: 3/ 5/99 at 11:45 by CS

Submitted: 3/ 6/99 Reported: 3/23/99

Discard: 4/23/99

Comp S-1 Composite Soil Sample
 LOC# 04-334 PRCA# 980044 PHC# 2L
 Mobil:2492 Castro Valley Blvd. - Castro Valley, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 04-334
 Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
2603	Benzene 0.005 mg/kg	N.D.		87	91	4	95			65	118
2604	Toluene 0.005 mg/kg	N.D.		84	87	4	89			72	131
2606	Ethylbenzene 0.005 mg/kg	N.D.		91	94	4	96			73	123
5327	Total Xylenes 0.015 mg/kg	N.D.		87	90	4	93			72	126
5555	TPH - GRO CA LUFT (Soils) 2. mg/kg	N.D.		102	105	2	111			76	117

 SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
2464	Methyl tertiary butyl ether	TFT 93	62	131
5547	8015 Mod. for Diesel	Chlorobenz 124	50	150
		o-Terpheny 125	50	150
5550	8015 Mod. for Gasoline & BTEX	TFT-P 93	62	131
		TFT-F 21	54	144

 LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
5708	SW SW846 ICP Digest	SW-846 3050A	1	03/11/99 2358	Annamaria Stipkovits
6955	Lead TR	SW-846 6010A	1	03/18/99 0249	Donna R. Sackett
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1	03/10/99 2137	Melissa A. McDermott
7004	Extraction - DRO (Soils)	TPH by CA LUFT	1	03/09/99 1630	Sally L. Appleyard
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/11/99 0043	Stephanie A. Selis
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/11/99 0043	Paul Vogel

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Shely Jr.
 for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



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

See reverse side for explanation of symbols and abbreviations

2216 Rev. 8/4/97

Mobil Western Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: 9728 Sample #: 3105249-70

Please print.

SCR#: _____

Mobil Consultant/Office: Atlan Geoscience
 Consultant Prj. Mgr: Tom Seeliger Prj. #: 41-0115-60
 Consultant Phone #: (925)608-9152 Fax #: (925)606-9260
 Location Code #: 04-334
 PRCA/AFE/Release #: 980044 Phase Code: 2L
 Site Address: 2442 Castro Valley Blvd. Castro Valley State: CA
 Sampler: Chris Smiga
 Mobil Engineer: Cherine Futch

Matrix	Analyses Requested												Preservative Codes	
	List total number of containers in the box under each analysis:													
Soil <input type="checkbox"/> Potable <input type="checkbox"/> NPDES	Total Number of Containers	BTEX 8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other
		TPH 8015 MOD	GRO	DRO	NWTPH	Gx	Dx	TPHAZ	Title 22 Metals	Lead 7420	7421	7422	7423	
Oil	Air	Total Number of Containers: 8021 <input checked="" type="checkbox"/> + MTBE <input checked="" type="checkbox"/> TPH 8015 MOD <input checked="" type="checkbox"/> GRO <input checked="" type="checkbox"/> DRO <input checked="" type="checkbox"/> NWTPH <input type="checkbox"/> Gx <input type="checkbox"/> Dx <input type="checkbox"/> TPHAZ <input type="checkbox"/> Title 22 Metals <input type="checkbox"/> Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 7422 <input type="checkbox"/> 7423 <input type="checkbox"/> Total Oil <input checked="" type="checkbox"/> + grease <input checked="" type="checkbox"/> EPA 550 HVOC <input checked="" type="checkbox"/> EPAS 010 CAH17 (Title 22) <input checked="" type="checkbox"/> EPA 550												

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX 8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	Remarks
AB-1 (10-11)	3-4-99	10:00	X		X				1	X	X																			AB-1 (10-11)	
AB-1 (4-5)		9:45							1	X	X																			AB-1 (4-5)	
AB-1 (19-20)		10:20							1	X	X																			AB-1 (19-20)	
AB-1 (15-16)		10:10							1	X	X																			*Please analyze	
AB-2 (4-5)		10:50							2	X	X					X	X	X												Soil for MTBE	
AB-2 (10-11)		11:05							2	X	X					X	X	X												Confirm highest	
AB-2 (15-16)		11:30							2	X	X					X	X	X												conc. w/ 8260	
AB-3 (4-5)		12:00							1	X	X																				
AB-3 (10-11)		12:20							1	X	X																				
AB-3 (15-16)		12:45							1	X	X																				

Turnaround Time Requested (TAT) (please circle):
 MOBIL STD. TAT 72 hour 48 hour
 24 hour other ____ day

Data Package Options (please circle if requested)
 QC Summary GLP Type I (Tier I) Other Type III (NJ Red. Del.) Disk Type IV (CLP) Type VI (Raw Data) WIP
 SDG Complete? Yes No

Site-specific QC required? Yes No (If yes, indicate QC sample and submit triplicate volume.)
 Internal Chain of Custody required? Yes No

Relinquished by: Chris Smiga Date: 3-5-99 Time: 1:00
 Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

Relinquished by Commercial Carrier: UPS FedEx Other _____
 Received by: T Madden Date: 3/6/99 Time: 10:30

Temperature Upon Receipt: 4 °C
 Custody Seals Intact? Yes No N/A

Mobil Western Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: 9728

Sample #: 3105249-70

Please print.

SCR#: _____

Mobil Consultant/Office: <u>Alton Geoscience</u>				Matrix <input type="checkbox"/> Potable Water <input type="checkbox"/> NIPDES <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Oil <input type="checkbox"/> Composite		Analyses Requested <small>List total number of containers in the box under each analysis.</small>										Preservative Codes H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other								
Consultant Prj. Mgr: <u>Tom Seeliger</u> Prj. #: <u>41-0115-60</u>						Preservative Codes																		
Consultant Phone #: <u>(925)606-9150</u> Fax #: <u>(925)606-9200</u>						Total Number of Containers																		
Location Code #: <u>04-334</u>						BTEX 8020 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> + MTBE <input checked="" type="checkbox"/>																		
PRCA/AFE/Release #: <u>980044</u> Phase Code: <u>2L</u>						TPH 8015 MOD <input checked="" type="checkbox"/> GRO <input checked="" type="checkbox"/> DRO <input checked="" type="checkbox"/>																		
Site Address: <u>2442 Castro Valley Bl, Castro Valley, CA</u> State: <u>CA</u>				NWTPH Gx <input type="checkbox"/> Dx <input type="checkbox"/>										Remarks										
Sampler: <u>Chris Smiga</u>				TPHAZ																				
Mobil Engineer: <u>Cherine Futch</u>				Title 22 Metals																				
				Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>																				
				Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>																				
Sample Identification	Date Collected	Time Collected	Grab	COMPOSITE	Soil	Water	Oil	Air	Composite	Total Number of Containers	BTEX 8020	8021	+ MTBE	TPH 8015 MOD	GRO	DRO	NWTPH Gx	Dx	TPHAZ	Title 22 Metals	Lead 7420	7421	Remarks	
<u>AB-3</u>	<u>3-5-99</u>	<u>9:15</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												<u>* Confirm highest mthe. water samples concentration w/ EPA Method 8260</u>
Turnaround Time Requested (TAT) (please circle):			Relinquished by:		Date	Time	Received by:		Date	Time														
<input checked="" type="radio"/> MOBIL STD. TAT 72 hour 48 hour 24 hour other _____ day			Relinquished by: <u>Chris Smiga</u> Date: <u>3-5-99</u>				Received by: _____ Date: _____ Time: _____																	
Data Package Options (please circle if requested) SDG Complete? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Relinquished by: _____ Date: _____ Time: _____						Received by: _____ Date: _____ Time: _____													
QC Summary GLP Type I (Tier I) Other Type III (NJ Red. Del.) Disk Type IV (CLP) Type VI (Raw Data) WIP			Site-specific QC required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, indicate QC sample and submit triplicate volume. Internal Chain of Custody required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Relinquished by Commercial Carrier: UPS <input type="checkbox"/> <input checked="" type="checkbox"/> FedEx Other _____		Received by: <u>T. Malden</u> Date: <u>3/6/99</u> Time: <u>1030</u>		Temperature Upon Receipt: <u>4</u> °C		Custody Seals Intact? <input checked="" type="checkbox"/> Yes No N/A													

Mobil Western Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: 9728 Sample #: 3105249-70

Please print.

SCR#: _____

Mobil Consultant/Office: Atton Geoscience.

Consultant Prj. Mgr: Tom Seeliger Prj. #: 41-0115-60

Consultant Phone #: (925)606-9260 Fax #: (925)606-9150

Location Code #: 04-334

PRCA/AFE/Release #: 980044 Phase Code: 2L

Site Address: 2492 Castro Valley Blvd Castro Valley State: CA

Sampler: Chris Smiga

Mobil Engineer: Chenne Fawcett

Matrix

Analyses Requested List total number of containers in the box under each analysis.

Matrix		Analyses Requested																		
Soil	Water	Oil	Air	Total Number of Containers	Preservative Codes															
					BTEX 8020*	TPH 8015 MOD	NWTPH Gx	TPHAZ	Title 22 Metals	Lead 7420	Lead 7421	Total Oil + Grease 5520	HVOC EPA 8010	Other	Other					
					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Preservative Codes

H = HCl T = Thioulate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX 8020*	TPH 8015 MOD	NWTPH Gx	TPHAZ	Title 22 Metals	Lead 7420	Lead 7421	Total Oil + Grease 5520	HVOC EPA 8010	Other	Other	Remarks
AB-4 (4-5)	3-4-99	3:30	X		X				1	X	X										* Confirm highest mtbe water sample.
AB-4 (10-11)		4:00	X		X				1	X	X										Concentration w/ EPA method 8260
AB-4 (15-16)		4:15	X		X				1	X	X										also analyze highest mtbe.
AB-5 (4-5)		1:30	X		X				1	X	X										Soil sample conc. w/ 8260.
AB-5 (10-11)		2:00	X		X				1	X	X										
AB-5 (15-16)		2:30	X		X				1	X	X										
AB-4	3-5-99	4:45	X		X				6	X	X										
AB-5	3-5-99	10:30	X		X				6	X	X										
AB-2	3-5-99	10:00	X		X				8	X	X						X	X			
AB-1 AB-1	3-5-99	8:30	X		X				6	X	X										

Turnaround Time Requested (TAT) (please circle):

MOBIL STD. TAT 72 hour 48 hour

24 hour other _____ day

Data Package Options (please circle if requested) SDG Complete? Yes No

QC Summary GLP Yes No

Type I (Tier I) Other

Type III (NJ Red. Del.) Disk

Type IV (CLP)

Type VI (Raw Data)

WIP

Site-specific QC required? Yes No

If yes, indicate QC sample and submit triplicate volume.

Internal Chain of Custody required? Yes No

Relinquished by: Chris Smiga Date: 3-5-99 Time: _____ Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Relinquished by Commercial Carrier: _____ Received by: J Madile Date: 3/6/99 Time: 1030

UPS FedEx Other _____ Temperature Upon Receipt: 7 °C Custody Seals Intact? Yes No N/A

074



Lancaster Laboratories

A division of Thermo Analytical Inc.

For Lancaster Laboratories use only
Acct. #: 9728 Sample #: 3105249-70

Please print.

SCR#: _____

Mobil Consultant/Office: Alton Geoscience
Consultant Prj. Mgr: Tom Seeliger Prj. #: 41-0115-60
Consultant Phone #: (925)606-9150 Fax #: (925)606-9260
Location Code #: 04-334
PRCA/APE/Release #: 980044 Phase Code: 2A L
Site Address: 2492 Castro Valley Blvd. Castro Valley, CA
Sampler: Chris Smiga
Mobil Engineer: Cherine Foutch

Matrix		Analyses Requested <small>List total number of containers in the box under each analysis.</small>										
		Preservative Codes										
<input type="checkbox"/> Potable Water <input type="checkbox"/> NPDES	Total Number of Containers	BTEX 8020 <input checked="" type="checkbox"/> + MTBE <input checked="" type="checkbox"/>	TPH 8015 MOD	GRO <input checked="" type="checkbox"/> DRO <input checked="" type="checkbox"/>	NWTPH Gx <input type="checkbox"/> Dx <input type="checkbox"/>	TPHAZ	Title 22 Metals	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>				
		Oil <input type="checkbox"/> Air <input type="checkbox"/>										

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX 8020 <input checked="" type="checkbox"/> + MTBE <input checked="" type="checkbox"/>	TPH 8015 MOD	GRO <input checked="" type="checkbox"/> DRO <input checked="" type="checkbox"/>	NWTPH Gx <input type="checkbox"/> Dx <input type="checkbox"/>	TPHAZ	Title 22 Metals	Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>	Total Lead	Remarks
Comp S-1	3-5-99	11:45			<input checked="" type="checkbox"/>				4	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	

Turnaround Time Requested (TAT) (please circle):
 MOBIL STD. TAT 72 hour 48 hour
 24 hour other ____ day

Data Package Options (please circle if requested)
 QC Summary GLP
 Type I (Tier I) Other
 Type III (NJ Red. Del.) Disk
 Type IV (CLP)
 Type VI (Raw Data)
 WIP

SDG Complete? Yes No

Site-specific QC required? Yes No (If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody required? Yes No

Relinquished by: <u>Chris Smiga</u>	Date: <u>3-5-99</u>	Time: <u>1:00</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by Commercial Carrier: UPS <input checked="" type="radio"/> FedEx <input type="radio"/> Other _____	Received by: <u>T Madden</u>		Date: <u>3/5/99</u>	Time: <u>1030</u>	
Temperature Upon Receipt: <u>4</u> °C	Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A				