

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 decision of the decision of 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.

The Thirdy Oil Oc. Site #854 in Israel locat 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,

Stull

Steve Kemnitz (Staff Scientist Jonathan Scheiner

Associate

Makkanag

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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E. S. H. D. Elega

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

Tray L. Walker

TRC/ALTON GEOSCIENCE 5052 Commercial Circle Concord, California 94520 (925) 688-1200

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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

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 4square-mile basin that is drained by San Lorenzo Creek (DWR, 1975). Nearsurface 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.

PREVIOUS WORK AND BACKGROUND SITE CONDITIONS 3.0

- 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.

FIELD INVESTIGATIVE ACTIVITIES 4.0

SOIL BORINGS AND SOIL AND GROUNDWATER SAMPLE COLLECTION 4.1

On March 4, 1999, five Geoprobe M borings (AB-1 through AB-5) were advanced to total depths ranging from 16 to 20 fbg at the locations shown on Figure 2. Regions AB-2 and AB-2 are labeled to the location of GeoprobeTM 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

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 (Regenisis ORCTM) slurry while neat cement was placed from the top of the ORCTM 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.
- 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 [µg/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 µg/L) was

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

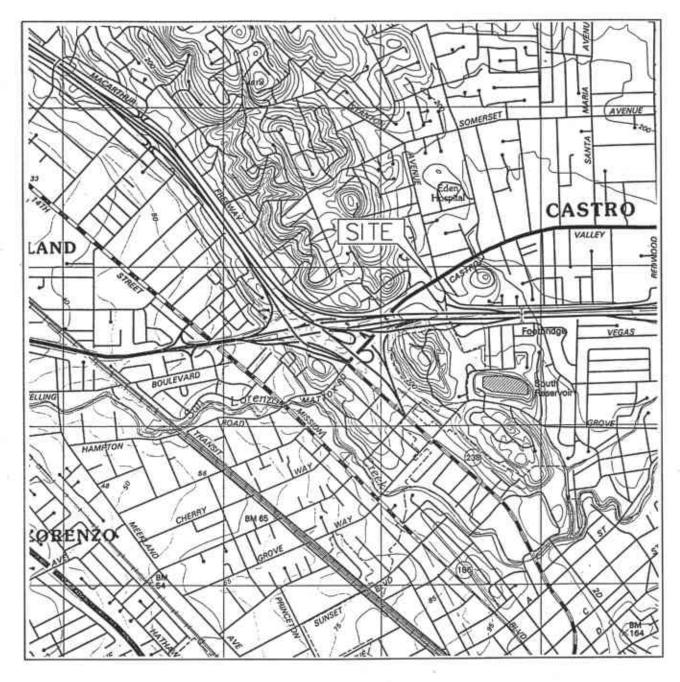
- Dissolved-phase TPHd concentrations were detected in the "grab" groundwater samples collected from all of the borings (AB-1 through AB-5). The groundwater sample collected from AB-4 contained the highest concentration of TPHd (5,500 µg/L).
- Groundwater samples collected from the former location of 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

LEGEND Monitoring Well (Thrifty Oil Co.) Geoprobe Soil Boring 1 Property Line Cross Section Line

SITE PLAN SHOWING **CROSS SECTIONS**

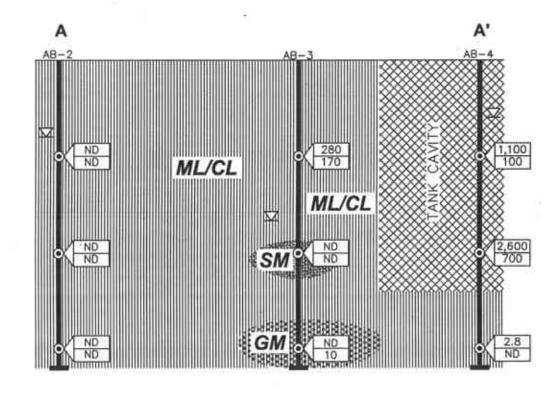
Former Mobil Station 04-334 2492 Castro Valley Boulevard Castro Valley, California

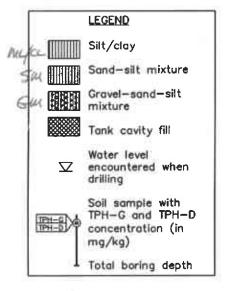
ALTON GEOSCIENCE

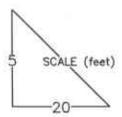
Northern California

SCALE (FEET) 60

DEPTH (feet)







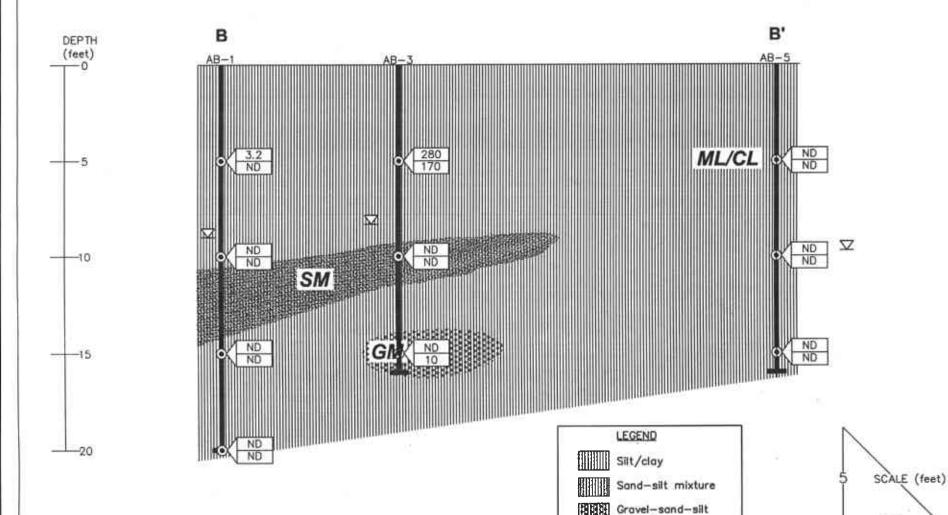
NOTES:

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



mixture

drilling

mg/kg)

Water level encountered when

Soil sample with

concentration (in

Total boring depth

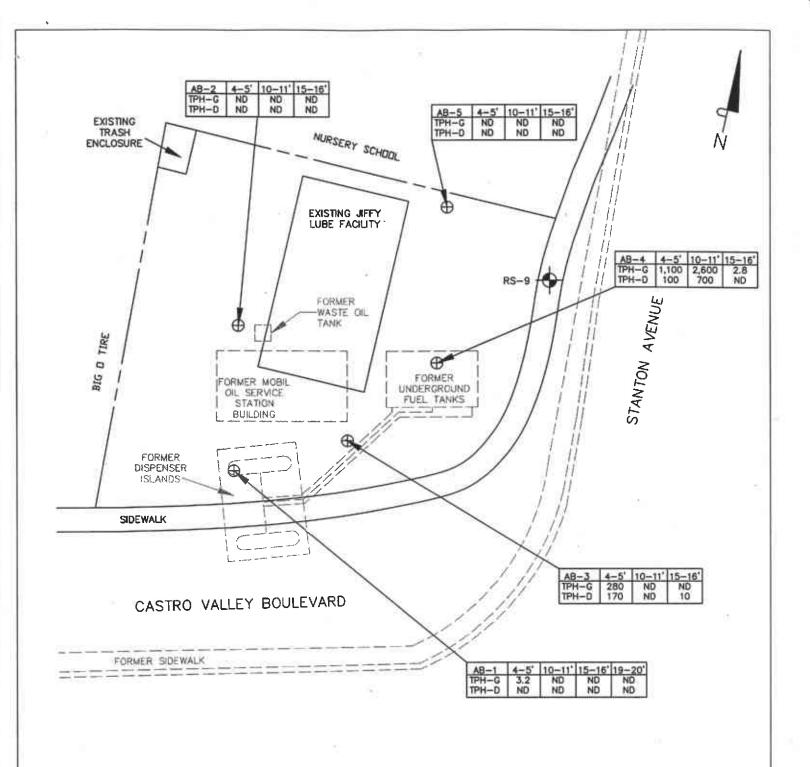
TPH-G and TPH-D

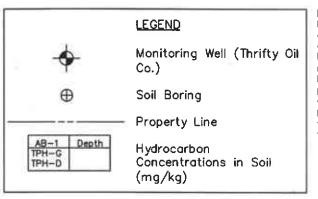
Depths are in feet below grade. ND = not detected at detection limits stated in official laboratory reports. TPH-G = total petroleum hydrocarbons as gasoline; TPH-D = total petroleum hydrocarbons as diesel; mg/kg = milligrams per kilogram. See Figure 2 for location of cross section.



CROSS SECTION B-B'

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





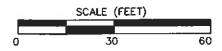
NOTES: Results are based on laboratory analysis of soil samples collected on March 4, 1999. Depths are in feet below grade. mg/kg = milligrams per kilogram; TPH-G = total petroleum hydrocarbons as gasoline; TPH-D = total petroleum hydrocarbons as diesel; ND = not detected at or above method detection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

HYDROCARBON CONCENTRATIONS IN SOIL March 4, 1999

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

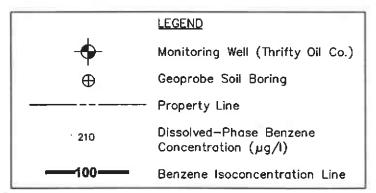
FIGURE 5





minnen lentsinna drawinobilin4-334\04334sit.dwn

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



DISSOLVED-PHASE
CONCENTRATIONS
March 5, 1999

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



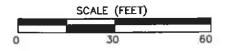


Table 1
Summary of Soil Sample Analysis

Former Mobil Station 04-334

						1.01111	et Monti of	audii u-i-o	74					
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		_	9	_	-
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		_	- 1		•
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	NĐ	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	==0	9.4	; 2;	-	-

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

		Depth to	1				Ethyl-	Total	MTBE	TOG	HVOC
Sample ID	Date	Water (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	benzene (µg/l)	Xylenes (µg/l)	8020 (μg/l)	5520 (µg/l)	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	_	<u> 200</u>
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 DIVIS	SIONS		TYPICAL NAMES
	GRAVELS	CLEAN GRAVELS WITH	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
HAN	MORE THAN HALF	LITTLE OR NO FINES	GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES
INED SOILS S LARGER THAN SIEVE	COARSE FRACTION IS LARGER THAN No. 4 SIEVE SIZE	GRAVELS WITH OVER	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
AINEC IS LAB		12% FINES	GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
COARSE-GRAIN MORE THAN HALF IS No. 200 SI		CLEAN SANDS WITH	sw	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
	SANDS MORE THAN HALF	LITTLE OR NO FINES	SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SÃ	COARSE FRACTION IS SMALLER THAN No. 4 SIEVE SIZE	SANDS WITH OVER	SM	SILTY SANDS, SAND-SILT MIXTURES
	SIEVE SIZE	12% FINES	sc //	CLAYEY SANDS, SAND-CLAY MIXTURES
S NAH			ML IIIIIII	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
SOILS	SILTS ANI		CL Y//// C	INORGANIC CLAYS OF LOW- TO MEDIUM-PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
NED IS SM	adolo Eliffi E	LOS MAYOU		ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
FINE-GRAINED THAN HALF IS SM No. 200 SIEV			MH §	NORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FIN SAND OR SILTY SOILS
FINE-GRAINED SOILS MORE THAN HALF IS SMALLER THAN No. 200 SIEVE	SILTS AND		СН	NORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
₩ E		TALEL HAVE DO	он //// 8	ORGANIC CLAYS OF MEDIUM TO HIGH-PLASTICITY, ORGANIC SILTS
	HIGHLY ORG	ANIC SOILS	Pt 5	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC

SYMBOLS AND NOTES

I

SAMPLE INTERVAL



SAMPLE NOT RECOVERED



BENTONITE



CONCRETE



GROUT



FILTER SAND PACK



STATIC WATER LEVEL



WATER LEVEL ENCOUNTERED WHEN DRILLING



KEY TO BORING LOG

ppm = parts per million (mg/kg) ppb = parts per billion (µg/kg)

CGI = combustible gas indicator OVA = organic vapor analyzer

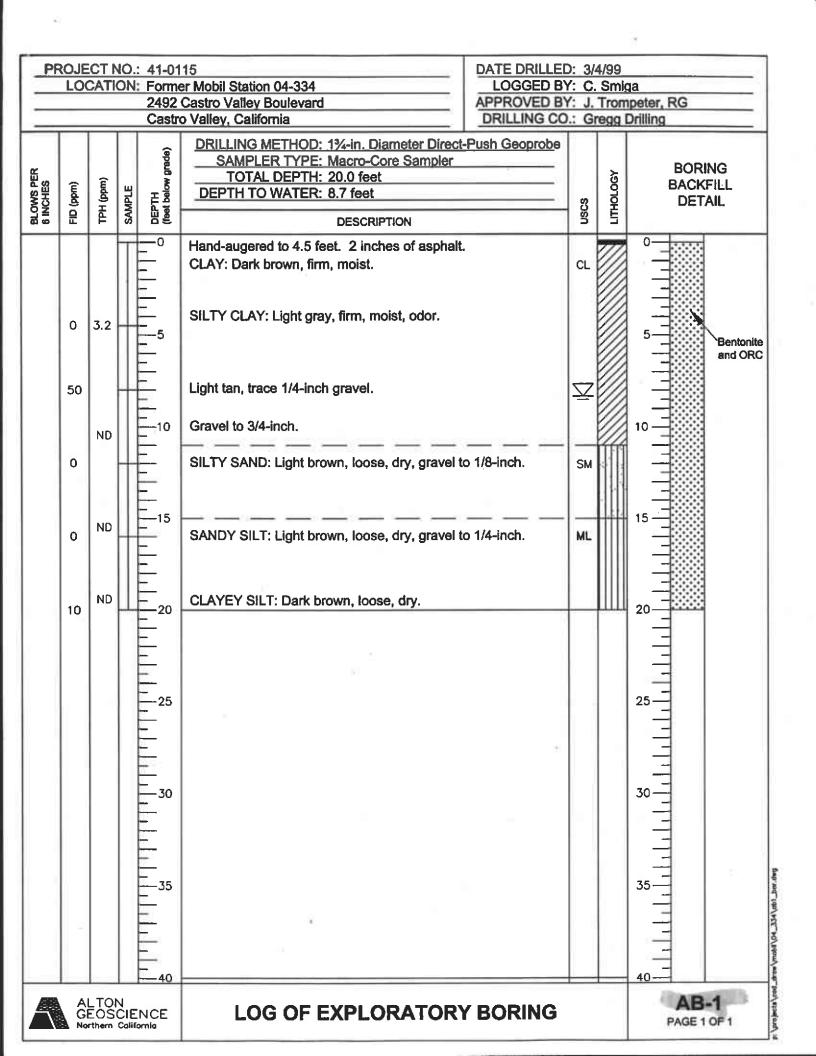
PID = photoionization detector

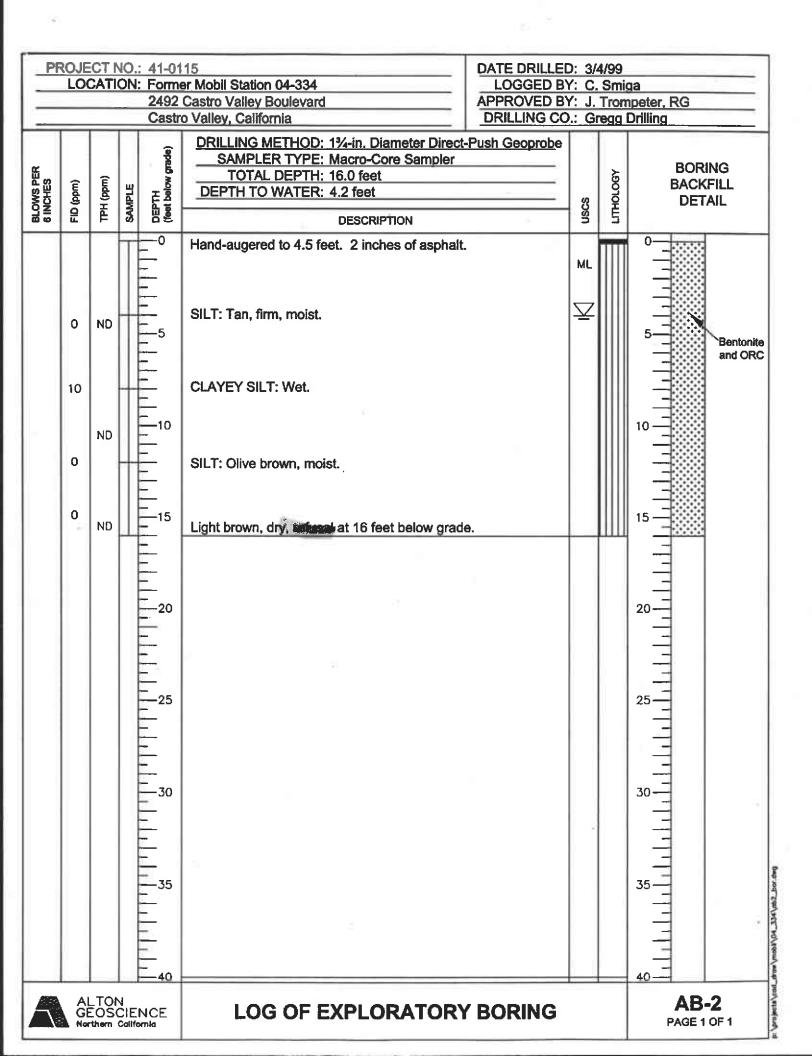
TPH = total petroleum hydrocarbons

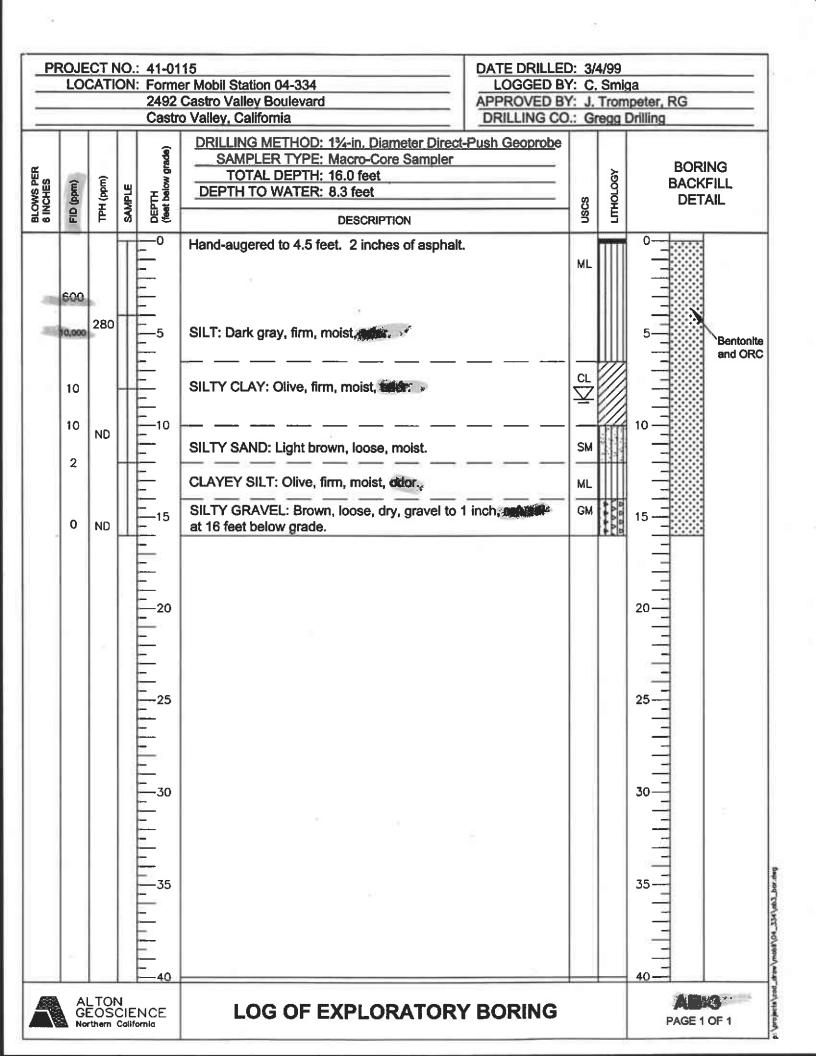
TRPH = total recoverable petroleum hydrocarbons

LEL = lower explosive fimit

ND = not detected at detection limits stated in official laboratory reports







			_				_						
_PF				<u> 41-01</u>		DATE DRILLED:							
-	LO	CATI	<u>UN</u>		er Mobil Station 04-334 Castro Valley Boulevard	LOGGED BY: APPROVED BY:							
-						DRILLING CO.:							
_	_	_	_	Casu			Gi	ANN I					
BLOWS PER 6 INCHES	FID (ppm)	TPH (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 1%-in. Diameter Direct-Pu SAMPLER TYPE: Macro-Core Sampler TOTAL DEPTH: 16.0 feet DEPTH TO WATER: 3.2 feet	SAMPLER TYPE: Macro-Core Sampler TOTAL DEPTH: 16.0 feet DEPTH TO WATER: 3.2 feet			BORI BACKI DETA	FILL			
	9		F	0	Hand-augered to 4.5 feet. 2 inches of asphalt.			alamala	0				
					PEA GRAVEL at 3 feet below grade: loose, wet	S	GW ✓	D D D D D D D D D D D D D D D D D D D					
Ą	10,000	1,100		5 5 	GRAVELLY SAND: olive, loose, wet, gravel to 1/4		SW —	D D	5	Bentonite and ORC			
	7				PEA GRAVEL: loose, well ador.		GW	00000					
	2,000	2,600		—10 = - -	SILTY GRAVEL: Dark olive, firm, wet, gravel to 1 discoloration.	/4-inch,	GM ,	00000	10 —				
	12	2.8		15 15	SANDY SILT: Light brown, wet, firm, slight oder.	7.1	ML		15				
			1	20 25 					20				
				35					35				
A	A G	LTO	N CIE	NCE	LOG OF EXPLORATORY	BORING			AB-				

PF	ROJE	CTN	NO.	41-01	15	DATE DRILLED): 3/4	4/99				
					er Mobil Station 04-334	LOGGED BY			na .			
					Castro Valley Boulevard	APPROVED BY						
_				Castr	o Valley, California	DRILLING CO	.: Gr	egg l	Drilling			
BLOWS PER 6 INCHES	FID (ppm)	ТРН (ррт)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 1¾-in. Diameter Direct-F SAMPLER TYPE: Macro-Core Sampler TOTAL DEPTH: 16.0 feet DEPTH TO WATER: 9.65 feet DESCRIPTION	TOTAL DEPTH: 16.0 feet DEPTH TO WATER: 9.65 feet						
			=	0	Hand-augered to 4.5 feet.			777	0			
	2	ND		- - - - - 5	CLAY: Dark brown, firm, moist.		CL		1 1 1 1 1 1 5	Bentonite		
			Ш					Ш	<u> </u>	and ORC		
	3		Ш	-			ML					
	0	ND		 10	CLAYEY SILT: Gray, firm, moist.	1	\subseteq		10 —			
	0	ND		 15 	SILTY CLAY: Olive brown, firm, moist. Refusal at 16 feet below grade.		CL		15			
				20 25 30 35					20	*		
	ALTON GEOSCIENCE Northern Colifornia LOG OF EXPLORATORY BORING								AB			



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

		_

Section I Generator (Gene	erator completes all of Section ()
Generator Name: MOBIL OIL CORP, ATTN: EARTH b	2402 GARDO BATTEN DIGO
	. Address.
FAIRFAX, VA 22037	CASTRO VALLEY, CA
Phone No.:	Phone No.:
owner of the generating facility differs from the generator, provide:	
Owner's Name: h	. Owner's Phone No.:
BFI WASTE CODE C A 4 0 4 0 4 1 3 9 9	0 1 9 9 6 Containers DM - METAL DRUM DP - PLASTIC DRUM B - BAG
Description of Waste:	
SOIL CUTTINGS	Y T - TRUCK
GENERATORS CERTIFICATION: I hereby certify that the above named material is no any applicable state law, has been properly described, classified and packaged, a applicable regulations; AND, if the waste is a treatment residue of a previously reflections, I certify and warrant that the waste has been treated in accordance with hazardous waste as defined by 40 CFR Part 261. TOM DELON FOR MOSIL Generator Authorized Agent Name	nd is in proper condition for transportation according to stricted hazardous waste subject to the Land Disposal the requirements of 40 CFR Part 268 and is no longer a Y - CUBIC METERS Y - CUBIC YARDS
ection II TRANSPORTER (Generator of	Transporter I complete e-g
TRANSPORTER I	TRANSPORTER II
Name:IWM	h. Name: 11/tenn
Address: 950 AMES AVENUE	i, Address:
MILPITAS, CA 95035	i. Address.
	19
Driver Name/Title: 408-942-8955 e. Truck No.:	j. Oriver Name/Title:
Phone No.: 408-942-8933 e. Truck No.:	k. Phone No.:
Vehicle License No./State:	m. Vehicle License No./State:
Acknowledgement of Receipt of Materials.	Acknowledgement of Receipt of Materials.
	n 3300 0 4 5 7 9
Driver Signature Shipment Date Section III DESTINATION (Generator con	Driver Signature Shipment Date Appletes a-d, destination site completes a-t.)
Site Name:BFI_VASCO	c. Phone No.: 925-447-0491
Physical Address: 4001 N VASCO ROAD	d. Mailing AddressSA
LIVERMORE, CA 94550	
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.
	1 21 1911
Name of Authorized Agent Signature	Receipt Date
	Receipt Date
ection IV ASBESTOS (Generator com	b. Shippers's Phone No.:
	b. Shippers's Phone No.:



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

951 TURNER COURT, SUITE 300, HAYWARD, CA \$4545-2651

PHONE (510) 670-5275 ANDREAS GODFREY FAX (510) 670-5262

(510) 670-5248 ALVIN KAN

DRILLING PERMIT APPLICATION

. DRILLING PERMIT A	PPLICATION
FOR APPLICANT TO COMPLETE	for office use
LOCATION OF PROJECT 2492 Castro Valley Blud.	PERMIT NUMBER 99 WR 025 WELL NUMBER
Califordia Coordinayes Sourcefr. Accurpcy ±U	PERMIT CONDITIONS
ATN TE CCE	Circled Permit Requirements Apply
Name Mobil Business Corporation Address 2063 Main Street, No DiPhone (925) 625-1173 City Oakley, CA Zip 94561	GENERAL I A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date. Submit to ACPWA within 60 days after completion to
APPLICANT Altra Geoscience. Name Altra Geoscience. Fex (925) 606-9260 Address 30A Lindbergh Ave. Phone (915) 606-9150 X 105 City Livermore, CA 2ip 94550	permitted work the original Department of Water Resources Water Well Drillers Report or equivalent well projects, or drilling logs and location sketch for geotechnical projects. 3. Permit is void if project and begun within 90 days of
TYPE OF PROJECT Well Construction Geolechnical Investigation Cathodic Protection General G Water Supply G Contamination Monitoring G Well Destruction G	approval date. B. WATER SUPPLY WELLS 1. Minimum surface seal thickness is two inches of comparing 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 leaser depth is specially approved.
PROPOSED WATER SUPPLY WELL USE New Demestic G Replacement Domestic D Municipal G Irrigation G Industrial G Other G	C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS 1. Minimum surface seal thickness is two inches of sement grout placed by tremie. 2. Minimum seal depth for monitoring wells is the
DRILLING METHOD: Mud Robity D Air Robity D Auger D Cable D Other D Geoplobe DEC DRILLER'S LICENSE NO. C-57 485/65	maximum depth practicable or 20 feet. D. GEOTECHNICAL Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material.
DRILLER'S LICENSE NO. C-57 485/65 WELL PROJECTS Drill Hole Diameterin. Maximum Casing Diameterin. Depthft. Surface Seal Depthft. Number	In areas of known or suspected contamination, hemselveness grows shall be used in place of compacted cutting. E. CATHODIC Fill hole above anode zone with concrete placed by the part of the placed by the part of the placed by the part of the par
GEOTECHNICAL PROJECTS Number of Borings 5 Maximum, Hole Diameter 2 in. Depts 6 ft.	G. SPECIAL CONDITIONS
ESTIMATED STARTING DATE 3-4-99 ESTIMATED COMPLETION DATE 3-4-99	APPROVED and randoffy DATE 3/
I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.	
SIGNATURE hus Amer DATE 2-12-99	

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 GeoprobeTM rig. Borings were grouted from total depth to two feet above the static groundwater level with a ORC TM slurry, while neat cement was placed from the top of the ORC TM 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 GeoprobeTM 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/GeoprobeTM 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

4/23/99 Discard:

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.

AS RECEIVED

REPORTING CAT UNITS RESULTS LIMIT NO. ANALYSIS NAME N.D. 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).

mg/kg Methyl tertiary butyl ether N.D. 2464 <u>.....</u>.......................

8015 Mod. for Gasoline & BTEX 5550

~.+.=.=.=.a.=.a.=.=.=. 0.005 mg/kg N.D. 2603 Benzene mg/kg 0.005 2604 N.D. Toluene mg/kg 0.005 N.D. 2606 Ethylbenzene 0.015 mg/kg 5327 Total Xylenes N.D. TPH - GRO CA LUFT (Soils) N.D. 5555 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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L LOW	IMITS HIGH
5547 8015 Mod. for Diesel 10. mg/kg	Batch: 990680004A M068 N.D. Batch: 99068A34 N.D.		78			88	89	0	65	125
2464 Methyl tertiary butyl ether 0.1 mg/kg			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 at (717) 656-2300 134751 656006 05:14:20 D 0001 22 0.00 00010600 ASR000

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

Sonsed I Shuly f



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 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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD M	S	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LOW LOW	LIMITS HIGH
2606 Ethylbenzene 0.005 mg/kg	N.D.	9	1	94	4	96			73	123
5327 Total Xylenes 0.015 mg/kg	N.D.	. 8	7	90	4	93	•		72	126
5555 TPH - GRO CA LUFT (Soils) 1. mg/kg	N.D.	10 	2	105 	.=.=. = .=.	111	.=.=.=	.=.=.=	.=.=.=	117

		SURROGATE SUM	MARY	SURROGATI	F LIMITS
2464 Methyl tertiary butyl ether 5547 8015 Mod. for Diesel 5550 8015 Mod. for Gasoline & BTEX	, TRIAL ID	SURROGATE TFT Chlorobenz o-Terpheny TFT-P TFT-F	RECOVERY * 89 90 120 89 79	LOW 62 50 50 62 54	HIGH 131 150 150 131 144
	.=.=.=.=.	.=. 2. 2. 2. 2. 2. 2. 2			

LABORATORY CHRONICLE

7004	Extraction - DRO (Soils)	METHOD CA LUFT Diesel Range Organics TPH by CA LUFT SN 946 90200 mod	TRIAL 1 1 1	ANAL ID	03/09/99 1630 03/09/99 2357	Melissa A. McDermott Sally L. Appleyard Stephanie A. Selis
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1 1		03/09/99 2357	Stephanie A. Selis 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

Tonsed I Sheely f. 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

3105250 LLI Sample No. SW 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.

AS RECEIVED

CAT ANALYSIS NAME NO.

RESULTS

REPORTING LIMIT

UNITS

5547

N.D. 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). Methyl tertiary butyl ether 2464

0.1

.=.=.=.=.=.=.=.=.=.=.=.=.=.=.=.= 8015 Mod. for Gasoline & BTEX 5550

2603 Toluene 2604 2606 Ethylbenzene Total Xylenes TPH - GRO CA LUFT (Soils) 5327 5555

mg/kg 0.005 N.D. mg/kg 0.005 N.D. mg/kg 0.010 0.005 0.015 mg/kg N.D.

mg/kg 1. 3.2 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).

AUGUSTO CONTROL DEPORT

	QUALTI	I CONTROL	. KETUK	•						
SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I LOW	IMITS HIGH
5547 8015 Mod. for Diesel 10. mg/kg	Batch: 990680004A M068 N.D. Batch: 99068A34 N.D.		78			88	89	0	65	125
2464 Methyl tertiary butyl ether 0.1 mg/kg			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

0.00 00010600 ASR000

Tonald I Shely 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 3105250 Collected: 3/4/99 at 09:45 by CS

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

Discard:

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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I	_IMITS 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.	1	L02	105	2	111	.=.=.=	.=.=.=	76	117

CURROCATE SUMMARY

		20KKOGAIC 30	SURROGATE LIMITS					
	TRIAL ID	SURROGATE	RECOVERY *	LOW	HIGH			
2464 Methyl tertiary butyl ether		TFT	90	62	131			
5547 8015 Mod. for Diesel		Chlorobenz	101	50 50	150 150			
seen code to be seen Appellant 6 DTTV		o-Terpheny TFT-P	125 90	62	131			
5550 8015 Mod. for Gasoline & BTEX				54	144			
		TFT-F	80	54	144			

LABORATORY CHRONICLE

	LABORATURE CHRON	ICLL	44161	VCIC	
2464	METHOD CA LUFT Diesel Range Organics TPH by CA LUFT SW-846 8020A, mod. CA LUFT /SW-846 8020A, mod.	TRIAL 1 1 1 1	ANAL ID	DATE AND TIME 03/10/99 1631 03/09/99 1630 03/10/99 0743	ANALYST Melissa A. McDermott Sally L. Appleyard Stephanie A. Selis 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

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



2216 Rev. 8/4/97

LLI Sample No. SW 3105251 Collected: 3/4/99 at 10:20 by CS

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

4/23/99 Discard:

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.

AS RECEIVED

REPORTING CAT UNITS LIMIT NO. ANALYSIS NAME RESULTS 5547 8015 Mod. for Diesel N.D. According to the California LUFT Protocol, the quantitation for Diese 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). mg/kg Methyl tertiary butyl ether 2464

5550 8015 Mod. for Gasoline & BTEX _._.....................

mg/kg 0.005 N.D. 2603 Benzene mg/kg 0.005 N.D. 2604 Toluene 0.005 mg/kg Ethylbenzene N.D. 2606 mg/kg Total Xylenes TPH - GRO CA LUFT (Soils) 0.015 5327 N.D. mg/kg N.D. 1. 5555 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

QUALITY CONTROL REPORT

	4									
SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L LOW	IMITS 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 05:15:30 D 0001 22 134751 656006 0.00 00010600 ASR000

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

Jonald I Shely f.



Lancaster Laboratories 2425 New Holland Pike PO 8ox 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD MS	MSD	MS RPD	LCS	LCS LCS DUP RPC		IMITS 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 S	UMMARY	SURROGATE	LIMITS
2464 Methyl tertiary butyl ether 5547 8015 Mod. for Diesel 5550 8015 Mod. for Gasoline & BTEX	TRIAL ID	SURROGATE TFT Chlorobenz o-Terpheny TFT-P TFT-F	RECOVERY * 81 107 129 81 75	LOW 62 50 50 62 54	HIGH 131 150 150 131 144

LABORATORY CHRONICLE

CAT				YSIS.	
2464	ANALYSIS NAME 8015 Mod. for Diesel Extraction - DRO (Soils) Methyl tertiary butyl ether	METHOD CA LUFT Diesel Range Organics TPH by CA LUFT SW-846 8020A, mod.	TRIAL 1 1 1	DATE AND TIME 03/10/99 1652 03/09/99 1630 03/10/99 0831	ANALYST Melissa A. McDermott Sally L. Appleyard Steven A. Skiles Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1	03/10/33 0031	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

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

Tonald I Shely f.



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

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.

AS RECEIVED

REPORTING CAT UNITS RESULTS LIMIT NO. ANALYSIS NAME 8015 Mod. for Diesel N.D. 5547 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. 0.1 2464 Methyl tertiary butyl ether 8015 Mod. for Gasoline & BTEX 5550

.=.=. 0.005 mg/kg 2603 N.D. Benzene 0.005 mg/kg 2604 N.D. Toluene mg/kg 0.005 N.D. 2606 Ethylbenzene 0.015 5327 Total Xylenes N.D.

mg/kg mg/kg TPH - GRO CA LUFT (Soils) 1. N.D. 5555 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 SAMPLE RPT LIM UNITS 5547 8015 Mod. for Diesel	BLANK Batch: 990680004A M068	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LOW	LIMITS HIGH 125
10. mg/kg 2464 Methyl tertiary butyl ether	N.D. Batch: 99068A34		78 55	66	•	88 82	89	0	65 54	129
0.1 mg/kg 5550 8015 Mod. for Gasoline & BTEX	N.D. Batch: 99068A34		65	66	2	62		٠	34	123
2603 Benzene 0.005 mg/kg	N.D.		87	91	4	95			6 5	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 05:16:04 D 0001 134751 656006 0.00 00010600 ASR000

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

Tonald I Shely f.

MEMBER

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

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

Account No: 09728

Mobil Business Resources Corp.

2063 Main Street

P.O. 04-334 Rel.

Suite 501 Oakley CA 94561

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

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD MS	MSD	MS RPD	LCS		CS LCS PD LOW	
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	w.s.e.s.	76 	117

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

LABORATORY CHRONICLE

CAT					-X212	
NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME 03/10/99 1713	ANALYST Melissa A. McDermott
	8015 Mod. for Diesel Extraction - DRO (Soils)	CA LUFT Diesel Range Organics TPH by CA LUFT	į		03/09/99 1630	Sally L. Appleyard Steven A. Skiles
2464 5550	Methyl tertiary butyl ether 8015 Mod. for Gasoline & BTEX	SW-846 8020A, mod. CA LUFT /SW-846 8020A, mod.	i			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

Lançaster Laboratories

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

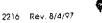
PO Box 12425

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

Tonseld I Shely f. Respectfully Submitted

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





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

Discard:

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.

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

8430	Purgeable Halocarbons	(8010)

			,=.=.=.=.	. = . = . = . = . =
.E.E.F.	Chlanamathana	N.D.	10.	ug/kg
8563	Chloromethane	N.D.	4.0	ug/kg
8564	Vinyl Chloride	N.D.	10.	ug/kg
8565	Bromomethane		4.0	ug/kg
8566	Chloroethane	N.D.		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
		N.D.	5.0	ug/kg
8578	1,2-Dichloroethane	N.D.	4.0	ug/kg
8579	1,1,1-Trichloroethane		4.0	ug/kg
8581	Carbon Tetrachloride	N.D.	4.V	49/49

#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

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

Sonaid & study for



LLI Sample No. SW 3105253 Collected: $\ensuremath{\mathrm{3/\,4/99}}$ 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.

	AS RECEIVED REPORTING										
CAT NO.	ANALYSIS NAME	RESULTS	LIMIT	UNITS							
8583 8584 8585 8587 8588 8589 8591 8593 8595 8596	1,2-Dichloropropane Trichloroethene Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Dibromochloromethane Tetrachloroethene Chlorobenzene Bromoform 1,1,2,2-Tetrachloroethane	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	ug/kg	·프·합·루·자·드·브·ၓ·드·로·엄·드·ㅈ·드·브·로·중·현·드·로·포·프·드						
8442	2-Chloroethyl Vinyl Ether		#. #. # . #. #. = . #	:.=. : -=-	.=.5.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
8586	2-Chloroethyl Vinyl Ether	N.D.	20. =-=-=-=	ug/kg							
0425 1562 5547	Hexavalent Chromium (SOLIDS) Petroleum Hydrocarbons (418.1) 8015 Mod. for Diesel According to the California LUFT Protoco Range Organics was performed by peak are to that of our #2 fuel oil reference sta hydrocarbons).	N.D. N.D. N.D. ol, the quantita ea comparison of andard (between	0.13 11. 10. ition for Di the sample C10 and C28	mg/kg mg/kg mg/kg esel pattern normal							
	Methyl tertiary butyl ether	N.D. 	0.1 =-=-=-	mg/kg 							
5550	8015 Mod. for Gasoline & BTEX	:.m.=.w.p.=.=.	=.=.=.=.	*. 5. =-=-=	. =						
2603 2604 2606 5327 5555	Benzene Toluene Ethylbenzene Total Xylenes TPH - GRO CA LUFT (Soils) According to the California LUFT Protoco Range Organics was performed by peak are	N.D. N.D. N.D. N.D. N.D. oi, the quantita ea comparison of	0.005 0.005 0.005 0.015 1. ation for G	mg/kg mg/kg mg/kg mg/kg mg/kg asoline e pattern							

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

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

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

are such for evolutation of symbols and abbreviations





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 Re1.

AS RECEIVED

CAT NO. ANALYSIS NAME

RESULTS

REPORTING LIMIT

UNITS

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

QUALITY CONTROL REPORT

		Q0/12										
SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I	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 7	mg/kg	Batch: 990705708003 N.D.	0 (1)	101	101	0	91			57	143	
6935 Arsenic TF 0.39	mg/kg	Batch: 990705708003 N.D.	0 -	96	96	1	98			62	138	
6936 Selenium 0.41	ik mg/kg	Batch: 990705708003 N.D. Batch: 990705708003	0 (1)	95	95	0	91			65	134	
6955 Lead TR		D4CCII: 330/03/00003										

#-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

Tonald I Shally for

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





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.

MODITIZES COSCIO TOTTES I	onva casero varies, en									
SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LOW	LIMITS HIGH
0.40 mg/kg	N.D.	5	92	94	1	89			60	140
6960 Molybdenum TR 0.22 mg/kg	Batch: 990705708003 N.D.	0 (1)	96	96	0	96			66	134
6972 Zinc TR 0.64 mg/kg	Batch: 990705708003 1.16 mg/kg	. 1	109	116	2	93			61	139
0159 Mercury 0.0047 mg/kg	Batch: 990705711001 N.D.	0 (1)	106	102	5	94			49	151
8430 Purgeable Halocarbons (8010) Batch: 99077A18									
8563 Chloromethane			00	02	0	89			34	111
10. ug/kg	N.D.		92	92	U	Q3			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	N.D.		81	79	. 2	79			73	110
4.0 ug/kg (1) The result for one or both d	N.U. eterminations was less than f	ive times			_					
8569 Methylene Chloride	CCCIMINACIONO NOS 1033 CINCI.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			_					100
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	9 9	1	99			81	131
8573 cis-1,2-Dichloroethene 4.0 ug/kg	N.D.		103	103	1	105			70	130
8576 Chloroform	11.0.		•		_	••			70	130
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

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

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

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

Jonald I Shely for

can minera cida for avalabation of symbols and abbreviations





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

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

4/24/99 Discard:

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.

	MODT 1:2492	Castro valley blvd.	Castro Valley, CA									
	SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS LOW	LIMITS HIGH
	4.0 u	chloroethane ug/kg	N.D.		90	92	3	94			82	113
-	4.0 u	etrachloride ig/kg	N.D.		89	89	1	90			76	115
8583	1,2.Dichl	oropropane Ig/kg	N.D.		106	103	3	106			85	125
8584	Trichloro	ethene 1g/kg	N.D.		85	89	4	90			68	119
8585	Bromodich	loromethane ug/kg	N.D.		100	99	1	99			88	123
8587	cis-1,3-0	oichloropropene 19/kg	N.D.		104	102	2	104			86	131
8588	trans-1,3	3-Dichloropropene	N.D.		111	108	3	109			80	134
8589	1,1,2-Tri	Mg/kg ichloroethane	N.D.		108	105	3	105			90	138
8591	Dibromoch	ug/kg nloromethane			101	96	5	99			90	121
8593	Tetrachlo		N.D.		94	92	2	96			79	118
8595	Ch1orober		N.D.			*	3	96			76	122
8596	4.0 u Bromoform	ig/kg n	N.D.		93 `	96	_				82	132
8597	4.0	ug/kg Tetrachloroethane	N.D.		104	100	4	104				
	4.0	ug/kg	N.D.		118	112	6	114			77	141
8442 2	-Chloroeth	yl Vinyl Ether	Batch: 99077A18									
		ethyl Vinyl Ether ug/kg	N.D.		95	92	3	92			78	134
	exavalent (Chromium (SOLIDS)	Batch: 990740280042501A N.D.	0 (1)	92	92	1	95	9 5	0	80	120
1562 P	etroleum H	mg/kg ydrocarbons (418.1)	Batch: 990680401156200A	0 (1)	85	82	4	97			61	109
	11.	mg/kg	N.D.	0 (1)	03	UL.						

#-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 I Shally for

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



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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS 1	IMITS HIGH
5547 8015 Mod. for Diesel 10. mg/kg (1) The result for one or both dete	Batch: 990680004A M068 N.D. erminations was less than fi	ive times th	78 ie LOQ	•		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									
2602 Demons	•						•			
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	K.D. ,		-							
0.005 mg/kg	N.D.		91	94	4	96			7 3	123
5327 Total Xylenes				00		02			72	126
0.015 mg/kg	N.D.		87	90	4	93	•		12	120
5555 TPH - GRO CA LUFT (Soils) 1. mg/kg	N.D.		102	105	2	111			76	117
#.=.v.m.=.#.#.=.=.#.#.#.#.#.#.#.#.	=.=.=.=.=.=.=.=.=.=.=	.=.=.=.=.F		=-=-=-=	·	.=.=.=	.=.=.=			

		SURROGATE SUM	SURROGATE LIMITS				
2464 Methyl tertiary butyl ether 5547 8015 Mod. for Diesel	TRIAL ID	SURROGATE TFT Chlorobenz	RECOVERY X 81 53	LOW 62 50	HIGH 131 150 150		
5550 8015 Mod. for Gasoline & BTEX		o-Terpheny TFT-P TFT-F	113 81 74	50 62 54	131 144		
8430 Purgeable Halocarbons (8010)		BrC1Benz-H BrC1Benz-P	79 88	49 52	123 131		
8442 2-Chloroethyl Vinyl Ether		BrC1Benz-H	79	49	123		

LABORATORY CHRONICLE

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

#_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

Sonald I Shely f.

more and for evaluation of symbols and abbreviations

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



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

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

4/24/99 Discard:

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				ANAL	YSIS.	
NO	ANALYSIS NAME Barium Beryllium Cadmium Chromium Cobalt Copper Nickel Silver Vanadium SW SW846 ICP Digest Thallium TR Arsenic TR Selenium TR Lead TR Molybdenum TR Zinc TR Mercury SW SW846 Hg Digest Purgeable Halocarbons (8010) 2-Chloroethyl Vinyl Ether Hexavalent Chromium (SOLIDS) Petroleum Hydrocarbons (418.1) Hexavalent Cr (Extraction) TPH IR (SW), Prep. 8015 Mod. for Diesel Extraction - DRO (Soils) Methyl tertiary butyl ether 8015 Mod. for Gasoline & BTEX	METHOD	TRIAL			ANALYST
1646	Davism	SM-846 6010A	1		03/12/99 0612	Donna R. Sackett
1647	Donalliam	SM-040 0010A	ī		03/12/99 0612	Donna R. Sackett
1047	Codedon	CH 046 6010A	ī		03/12/99 0612	Donna R. Sackett
1649	Cacmium	2M-040 DOINY	i		03/12/09 0612	Donna R Sackett
1651	Chromium	SW-846 6010A	1		03/12/00 0612	Donna P. Sackett
1652	Cobalt	SW-846 6010A	1		03/12/33 0012	Donna P. Sackett
1653	Copper	SW-846 6010A	Ţ		03/12/33 0012	Donna B. Sackett
1661	Nickel	SW-846 6010A	Ť		03/12/99 0012	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
6035	Arsonic TR	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
6036	Salenium TP	SW-846 6010A	1		03/12/99 0612	Donna R. Sackett
6055	Load TD	SM-846 60104	ī		03/18/99 0229	Donna R. Sackett
6060	Legu In Malabdanim TD	SM-040 0010A	ī		03/18/99 0229	Donna R. Sackett
0900	Pioryboenum ik	CH DAE ENION	ī		03/12/99 0612	Donna R. Sackett
09/2	ZINC IR	5W-040 0010A	Ť		03/12/99 1034	Damary S. Valentin
0129	Mercury	SW-040 /4/IA	1		03/11/99 2358	Annamaria Stipkovits
5/11	SW SW846 Hg Digest	SW-846 7471A MOUTITEU	i		03/18/99 1623	Gregory D. Pennebaker
8430	Purgeable Halocarbons (8010)	2M-849 8010R	†		03/10/33 1023	Gregory D. Pennebaker
8442	2-Chloroethyl Vinyl Ether	2M-846 8010R	1		03/10/37 1023	Daniel S Smith
0425	Hexavalent Chromium (SOLIDS)	SW-846 7196A	Ţ		03/1//33 0020	Parkana 1 Stofanov
1562	Petroleum Hydrocarbons (418.1)	EPA 418.1 modified	1		03/09/99 1420	Chaisting 1 Callerani
7825	Hexavalent Cr (Extraction)	SW846 3060A	1		03/15/99 2100	Christina J. Gailerani
8125	TPH IR (SW). Prep.	EPA 418.1 modified	1		03/09/99 0845	Shannon L. Stanex
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	Mothyl tentiany butyl other	SW-846 8020A mod	1		03/10/99 1001	Steven A. Skiles
EEEA	2015 Mod for Cacoline & RTFY	CA LUET /SW-846 8020A mod	$\bar{1}$		03/10/99 1001	Steven A. Skiles
5550	dots hod. To desorme a bick	CA Edi 1 70% C 10 COEUT, MOGI	_			•

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

Tonald I Shely f.







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.

		as recei	VED	
CAT			REPORTING	
NO.	ANALYSIS NAME	results	LIMIT	UNITS
	•			//c
1644	Antimony	N.D.	2.7	mg/kg
164 6	Barium	208.	0.20	mg/kg
1647	Beryllium	0.36	0.15	mg/kg
1647 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
1661 1666	Silver	Ň.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
69 36	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
6510		U.U <i>JE!</i> =.=.≃.≅.≅.≝.≅.=.F.=:	.=.2.=.=.=	.6.5.63

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

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

Con revorce side for evaluation of symbols and abbreviations

Sonold I Stuly of



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.

		AS RECEI		
CAT NO.	ANALYSIS NAME	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
85 88	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
B.#.=.=	,=,±.=.=.2.2.2.2.3.=.=.=.=.=.±.2.2.2.	2.2.2.0.0	.=.=.=.	=.2.=.=.=.
8442	2-Chloroethyl Vinyl Ether			
3.8.6.=	.=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,	z.e.s.z.e.e.=.=.s.=		#,=.=.=. -

8442	2-Chloroethyl Vinyl Ether		:-=-= - =.	# ,=. =.=. = .
858 6	2-Chloroethyl Vinyl Ether	N.D.	20.	ug/kg
0425 1562 5547	Hexavalent Chromium (SOLIDS) Petroleum Hydrocarbons (418.1) 8015 Mod. for Diesel According to the California LUFT Profrance Organics was performed by peak to that of our #2 fuel oil reference hydrocarbons). Methyl tertiary butyl ether	13. N.D. tocol, the quantitat area comparison of	the sample	mg/kg mg/kg iesel e pattern
2404 =.=.=.=.		,=.=.=.=.=.=.=. ,,,,,,,,,,,,,,,,,,,,,,,	=.=.=.=.	=-=-=-=-=-
5550	8015 Mod. for Gasoline & BTEX			=.=.=.=.
2603	Benzene	N.D.	0.005	mg/kg

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
5555	According to the California LUFT Protocol.	the quantitat	ion 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 I Shely of Respectfully Submitted Michele Turner, B.A. Manager, Volatiles





LLI Sample No. SW 3105254 Collected: 3/4/99 at 11:05 by CS

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

4/24/99 Discard:

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.

AS RECEIVED

CAT NO. ANALYSIS NAME

RESULTS

REPORTING LIMIT

UNITS

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

QUALITY CONTROL REPORT

SAMPLE	SAMPLE	DI ANII/	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS 1	LIMITS HIGH
RPT LIM	UNITS	BLANK Batch: 990705708003	וערט	מיו	1100	I L	200	.		2011	
1644 Antimony 2.7	mg/kg	N.D.	0 (1)	85	85	0 .	132			20	180
1646 Barium	//	Batch: 990705708003	1	100	102	1	89			56	143
0.20	mg/kg	N.D. Batch: 990705708003	T	100	102	-		*			
1647 Beryllium	ma/ka	N.D.	0 (1)	100	100	1	88			70	130
0.15	mg/kg	Batch: 990705708003	0 (1)	100	200	_					,
1649 Cadmium 0.16	mg/kg	N.D.	0 (1)	99	104	4	91			55	145
1651 Chromium	mgr 11g	Batch: 990705708003				_				60	101
0.74	mg/kg	N.D.	4	128	143	5	96			69	131
1652 Cobalt		Batch: 990705708003		4.00	104	•	00			63	136
1.0	mg/kg	N.D.	0 (1)	103	104	Ţ	92			63	130
1653 Copper		Batch: 990705708003	_	105	110	4	97			62	138
0.25	mg/kg	N.D.	1	105	119	4	97			02	100
1661 Nickel		Batch: 990705708003		100	104	1	96			67	133
1.0	mg/kg	N.D.	0	106	104	7	30			0,	100
1666 Silver		Batch: 990705708003	0 (1)	300	105	. 0	92			57	144
0.77	mg/kg	N.D.	0 (1)	105	105	U	72			٠,	
1671 Vanadium		Batch: 990705708003	Δ.	121	150	8	97			68	132
0.56	_mg/kg	N.D.	0	131	130		31			-	
6925 Thallium		Batch: 990705708003	0 (1)	101	101	0	91			57	143
0.67	_mg/kg	N.D.	0 (1)	101	101	v	2.				
6935 Arsenic Ti	K //	Batch: 990705708003	0	96	96	1	98			62	138
0.39	mg/kg	N.D.	U	30	20	•					
6936 Selenium		Batch: 990705708003 N.D.	0 (1)	95	95	0	91			65	134
0.41	mg/kg	N.U. Batch: 990705708003	0 (1)	33	<i>.</i> ,	•					
6955 Lead TR		Darcu: AAAAAAAAA									

#-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

Jonald I Study 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

Account No: 09728

Mobil Business Resources Corp.

2063 Main Street Suite 501

Oakley CA 94561

P.O. 04-334 Rel.

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

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	Ms	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L LOW	IMITS HIGH
5547 8015 Mod. for Diesel 10. mg/kg (1) The result for one or both d	Batch: 990680004A M068 N.D. eterminations was less than fiv	e times th	78 ne LOQ.			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 & BT	EX 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	.w.=.=	.=.=.=	.=.=.=	117

		SURROGATE SUM	MARY	SURROGATE	FITMITS
2464 Methyl tertiary butyl ether 5547 8015 Mod. for Diesel	TRIAL ID	SURROGATE TFT Chlorobenz o-Terpheny	RECOVERY % 83 98 119	LOW 62 50 50	HIGH 131 150 150 131
5550 8015 Mod. for Gasoline & BTEX		TFT-P TFT-F	83 77	62 54	144
8430 Purgeable Halocarbons (8010)		BrC1Benz-H BrC1Benz-P	89 98	49 52	123 131
8442 2-Chloroethyl Vinyl Ether		BrC1Benz-H	89 	49 .=.=.=.=	123 .=.=.=.=.=

LABORATORY CHRONICLE

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

#-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

Tonald I Stally for

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				ANAL	YSIS	
	ANALYSIS NAME	METHOD	TRIAL	TD	DATE AND TIME	ANALYST
1646	Rarium	SW-846 6010A	1		03/12/99 0617	Donna R. Sackett
16/7	Ranyllium	SW. 846 6010A	ī		03/12/99 0617	Donna R. Sackett
16/0	Cadmium	SW-846 6010A	ī		03/12/99 0617	
1651	Chronium	SW-846 6010A	ī		03/12/99 0617	Donna R. Sackett
1652	Cohalt	SW-846 6010A	ī		03/12/99 0617	Donna R. Sackett
1653	Conner	SW-846 6010A	ī		03/12/99 0617	
1661	Nickel	SW-846 6010A	ī		03/12/99 0617	Donna R. Sackett
1666	Silver	SW-846 6010A	ī		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	
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	
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/10/99 1/34	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	Barium Beryllium Cadmium Chromium Chromium Cobalt Copper Nickel Silver Vanadium SW SW846 ICP Digest Thallium IR Arsenic TR Selenium TR Lead TR Molybdenum TR Zinc TR Mercury SW SW846 Hg Digest Purgeable Halocarbons (8010) 2-Chloroethyl Vinyl Ether Hexavalent Chromium (SOLIDS) Petroleum Hydrocarbons (418.1) Hexavalent Cr (Extraction) TPH IR (SW), Prep. 8015 Mod. for Diesel Extraction - DRO (Soils) Methyl tertiary butyl ether 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

Tonal I Shrily fo.

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





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

AC DECETUED

P.O. 04-334 Rel.

		AS K	FCETAED	
CAT			REPORTING	
NO.	ANALYSIS NAME	RESULTS	LIMIT	UNITS
NU.	MATINE INTE	1420413		
3644	Antimony	N.D.	2.7	mg/kg
1644			0.20	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
1000		43.1	1.0	mg/kg
1661	Nickel			mg/kg
1666	Silver	N.D.	0.77	119/159
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
		0.55	0.22	mg/kg
6960	Molybdenum TR			mg/kg
6972	Zinc TR	122.	0.64	mg/kg
0159	Mercury	0.149	0.0047	mg/kg
=.=.=.=	.2.0.=.2.6.2.2.2.5.6.	=.=.=.=.=.=.=.=.=.=.=.=.=.=.=.		.=.=.=.=

8430 Purgeable Halocarbons (8010)

8563 Chloromethane 8564 Vinyl Chloride 8565 Bromomethane 8566 Chloroethane 8567 Trichlorofluoromethane 8568 1,1-Dichloroethene 8569 Methylene Chloride 8571 trans-1,2-Dichloroethene 8572 1,1-Dichloroethane 8573 cis-1,2-Dichloroethene 8576 Chloroform 8578 1,2-Dichloroethane 8579 1,1,1-Trichloroethane 8581 Carbon Tetrachloride	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	10. 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	ug/kg
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#-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

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

Tonald I Stoly for





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

AS RECEIVED

Oakley CA 94561

P.O. 04-334

Rel.

CAT		AD ILLUM	REPORTING				
NO.	ANALYSIS NAME	RESULTS	LIMIT	UNITS		•	
8583 8584 8585 8587 8588 8589 8591 8593 8595 8596 8597	1,2-Dichloropropane Trichloroethene Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Dibromochloromethane Tetrachloroethene Chlorobenzene Bromoform 1,1,2,2-Tetrachloroethane	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	ug/kg	.=.=. : .=. :	. ⋈ . = . = . = . ≅ . ⋈ . = . = .	- :.
0440	2-Chloroethyl Vinyl Ether				,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=	.2.2.2.2.2.2.	=.=.=.=
0505	2-Chloroethyl Vinyl Ether	N D	20	ua/ka			
0425	Hexavalent Chromium (SOLIDS) Petroleum Hydrocarbons (418.1) 8015 Mod. for Diesel According to the California LUFT Protoco Range Organics was performed by peak are to that of our #2 fuel oil reference sta hydrocarbons).	N.D. N.D. N.D. ol, the quantit ea comparison o	0.13 11. 10. ation for Di f the sample C10 and C28	mg/kg mg/kg mg/kg esel pattern normal			
2464	Methyl tertiary butyl ether	N.D. =-=-=-=-	0.1 .=.=.=.=	mg/kg =-=-=	.=.#.=.=.=	.=.&.=.=.=.	=.=.2.=.=
SSSA	8015 Mod. for Gasoline & BTEX					.=.=. : .=.=.=.=.	
2603 2604 2606 5327 5555	Benzene Toluene Ethylbenzene Total Xylenes TPH - GRO CA LUFT (Soils) According to the California LUFT Protoce Range Organics was performed by peak are	N.D. N.D. N.D. N.D. N.D. ol. the quantit	0.005 0.005 0.005 0.015 1. ation for G	mg/kg mg/kg mg/kg mg/kg mg/kg asoline			

#-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

Tonald I Shely f.

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



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-7300 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.

AS RECEIVED

CAT NO.

ANALYSIS NAME

RESULTS

REPORTING LIMIT

UNITS

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

QUALITY	CONTROL	REPORT
	DUP	

a.=.=.=.±.=.&.p.=.=.=.

		COULT	11 CONTINUE		••						
SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS L LOW	IMITS HIGH
1644 Antimony 2.7	mg/kg	Batch: 990705708003 N.D. Batch: 990705708003	0 (1)	85	85	0	132			20	180
1646 Barium 0.20	mg/kg	N.D. Batch: 990705708003	1	100	102	1	89			56	143
1647 Beryllium 0.15	mg/kg	N.D. Batch: 990705708003	0 (1)	100	100	1	88			70	130
1649 Cadmium 0.16 1651 Chromium	mg/kg	N.D. Batch: 990705708003	0 (1)	99	104	. 4	91			55	145
0.74 1652 Cobalt	mg/kg	N.D. Batch: 990705708003	4	128	143	5	96			69	131
1.0 1653 Copper	mg/kg	N.D. Batch: 990705708003	0 (1)	103	104	1	92			63	136 138
0.25 1661 Nickel	mg/kg	N.D. Batch: 990705708003	1	105	119	4	97 96			62 67	133
1.0 1666 Silver	mg/kg	N.D. Batch: 990705708003	0	106	104	0	90 92			57	144
0.77 1671 Vanadium	mg/kg 	N.D. Batch: 990705708003	0 (1)	105 131	105 150	8	97			68	132
0.56 6925 Thallium		N.D. Batch: 990705708003	0 0 (1)	101	101	0	91			57	143
0.67 6935 Arsenic T	mg/kg R	N.D. Batch: 990705708003 N.D.	0 (1)	96	96	1	98			62	138
0.39 6936 Selenium 0.41	mg/kg TR mg/kg	Batch: 990705708003 N.D.	0 (1)	95	95	0	91			65	134
6955 Lead TR		Batch: 990705708003									

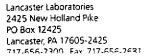
#_Laboratory Method Detection Limit exceeded State Regulatory Limit N.D.=Not detected at or above the Reporting Limit

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

Tonald I Stathy for

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





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

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

4/24/99 Discard:

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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS I	LIMITS HIGH
0.40 ing/kg	N.D.	5	92	94	1	89			60	140
6960 Molybdenum TR 0.22 mg/kg	Batch: 990705708003 N.D.	0 (1)	96	96	0	96			66	134
6972 Zinc TR	Batch: 990705708003	1	109	116	2	93			61	139
0.64 mg/kg 0159 Mercury	1.16 mg/kg Batch: 990705711001	_			5	94			49	151
0.0047 mg/kg	N.D.	0 (1)	106	102	5	94			49	131
8430 Purgeable Halocarbons (8010)	Batch: 99077A18									
8563 Chloromethane	•				^	89			34	111
10. ug/kg 8564 Vinyl Chloride	N.D.		92	92	0					
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			92	90	2	88			70	130
4.0 ug/kg 8568 1,1-Dichloroethene	N.D.			• •	_				73	110
4.0 ug/kg (1) The result for one or both deta	N.D. orminations was loss than fi	ve times	81 the LO	79 0.	2	79			/3	110
8569 Methylene Chloride			93	99	. 6	92			67	122
4.0 ug/kg 8571 trans-1,2-Dichloroethene	N.D.		•	••	_					134
4.0 ug/kg	N.D.		91	91	0	90			76	
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			97	99	2	98			70	130
4.0 ug/kg 8578 1,2-Dichloroethane	N.D.		•		_				81	131
5.0 ug/kg	N.D.		108	104	3	105			01	101
·										

 $\#\!\!=\!\!\text{Laboratory Method Detection Limit}$ 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

Tonsel I Shely f

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



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.

	POD 11:2432	castro varies bivo.	Cascio failey, CA									
	SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LOW	LIMITS HIGH
	4.0 I	ichloroethane ug/kg	N.D.		90	92	3	94	٠		82	113
	4.0	etrachloride ug/kg	N.D.		89	89	1	90			76	115
8583		loropropane ug/kg	N.D.		106	103	3	106			85	125
8584	Trichlor	oethene ug/kg	N.D.		85	89	4	90			68	119
8585		hloromethane	N.D.		100	99	í	99			88	123
8587	cis-1.3-	Dichloropropene ug/kg	N.D.		104	102	2	104			86	131
8588	trans-1,	3-Dichloropropene ug/kg	N.D.		111	108	3	109			80	134
8589	1,1,2-Tr	ichloroethane ug/kg	N.D.		108	105	3	105			90	138
8591	Dibromoc	hloromethane	N.D.		101	96	5	9 9			90	121
8593	Tetrachl		N.D.		94	92	2	96			79	118
8595	Chlorobe				93	96	3	96			76	122
8596	4.0 Bromofor	ug/kg m	N.D.		-			104		•	82	
2507		ug/kg Tetrachloroethane	N.D.		104	100	4					
0007		ug/kg	N.D.		118	112	6	114			77	141
8442 2	-Chloroeth	yl Vinyl Ether	Batch: 99077A18									
8586		ethyl Vinyl Ether	N B		95	92	3	92			78	134
0425 H	20. Jexavalent	ug/kg Chromium (SOLIDS)	N.D. Batch: 990740280042501A			-			95	0	80	
	0.13	mg/kg lydrocarbons (418.1)	N.D. Batch: 990680401156200A	0 (1)	92	92	1	9 5	90	U	-	
1002 1	11.	mg/kg	N.D.	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

Sould I Stally f Respectfully Submitted Thomas C. Lehman, Ph.D.

Group Leader, Petrol. Analysis





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

Account No: 09728 Mobil Business Resources Corp.

2063 Main Street

Suite 501

Oakley CA 94561

P.O. 04-334 Rel.

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

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

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP R PD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS I	LIMITS HIGH
5547 8015 Mod. fo 10. m	a/ka	Batch: 990680004A M068 N.D. minations was less than f	ive times t	78 he LOQ.			88	89	0	65	125
2464 Methyl terti	ary butyl ether g/kg	Batch: 99068A34 N.D.		65	66	2	82			54	129
5550 8015 Mod. fo	r Gasoline & BTEX	Batch: 99068A34									
2603 Benzene 0.005 m	ng/kg	N.D.		87	91	4	95			65	118
2604 Toluene 0.005 m	ng/kg	N.D.		84	87	4	89			72	131
	ng/kg	N.D.		91	94	4	96			73	123
	ng/kg	N.D.		87	90	4	93			72	126
) CA_LUFT (Soils) ng/kg	N.D.	·	102	105	2 =-=-=	111		.=. = .=	76 .≕.=.=	117

		SURROGATE SUM	MARY	CURROO ATT	. 1 411775
				SURROGATE	: LIMI 12
	TRIAL ID	SURROGATE	RECOVERY *	LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	87 60	62 50	131 150
5547 8015 Mod. for Diesel		Chlorobenz o-Terpheny	60 10 0	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P	87	62 54	131 144
9420 Ourgoshla Uslacanhans (9010)		TFT-F BrC1Benz-H	81 86	49	123
8430 Purgeable Halocarbons (8010)		BrC1Benz-P	97	52	131
8442 2-Chloroethyl Vinyl Ether		BrC1Benz-H	86	49	123
				. = . = . = . = . = . = . = .	

LABORATORY CHRONICLE

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

#=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

Sonald I Stoly f.

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_856,73000 Epy 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

4/24/99 Discard:

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				ANALYSIS		****
NO	ANALYSIS NAME	METHOD	TRIAL	ID DATE A	ND TIME	analyst
				02/11/	/00 0E42	Dawn D. Sackatt
1646	Barium	SW-846 6010A	1		/99 0543	
1647	Rervllium	SW-846 6010A	1		/99 0543	Donna R. Sackett
1649	Cadmium	SW-846 6010A	1		/99 0543	Donna R. Sackett
1651	Chromium	SW-846 6010A	1	03/12	!/99 0543	Donna R. Sackett
1652	Cobal+	SW-846 6010A	1	03/12	1/99 0543	Donna R. Sackett
1032	Copper	SW-846 6010A	1	03/12	/99 0543	Donna R. Sackett
1653	Copper Nacional	SW-846 6010A	ī	03/12	/99 0543	Donna R. Sackett
1661	Barium Beryllium Cadmium Chromium Cobalt Copper Nickel Silver Vanadium SW SW846 ICP Digest Thallium TR	CH 045 5010V	ī	03/12	/99 0543	Donna R. Sackett
1666	Silver	SW-846 6010A	i	03/12	/99 0543	Donna R. Sackett
1671	Vanadium	SW-846 6010A	1	03/11	/99 2358	Annamaria Stipkovits
57 08	SW SW846 ICP Digest	SW-846 3050A	1	03/13	/99 0543	Donna R. Sackett
6925	Thallium TR	SW-846 6010A	Ť	03/10	/99 0543	Donna R. Sackett
6935	Thallium TR Arsenic TR Selenium TR Lead TR Molybdenum TR Zinc TR Mercury	SW-846 6010A	1	03/12	1/00 0543	
6936	Selenium TR	SW-846 6010A	Ť	03/14	/99 0543	Donna R. Sackett
6955	Lead TR	SW-846 6010A	1	03/18	3/99 0159	Donna R. Sackett
6960	Molybdenum TR	SW-846 6010A	1	03/18	3/99 0159	Donna R. Sackett
6972	7inc TR	SW-846 6010A	1	03/12	2/99 0543	Donna R. Sackett
0159	Mercury	SW-846 7471A	1	03/12	2/99 1038	Damary S. Valentin
5711	SW SW846 Hg Digest	SW-846 7471A modified	1	03/11	L/99 2358	Annamaria Stipkovits
8430	Purgeable Halocarbons (8010)	SW-846 8010B	1	03/18	3/99 1742	Gregory D. Pennebaker
	2 Chlanothyl Vinyl Ethon	SM-846 8010B	1	03/18	3/99 1742	Gregory D. Pennebaker
8442	2-Chloroethyl Vinyl Ether Hexavalent Chromium (SOLIDS)	SM-046 3106A	ī	03/17	7/99 0020	Daniel S. Smith
0425	Mexavatent Chromitum (SOLIDS)	SM-040 /130A EDA 410 1 modified	ī	03/09	9/99 1500	
1562	Petroleum Hydrocarbons (418.1)	CHOAC 2000A	1	03/19	5/99 2100	
7825		SW840 SUDUA	i	03/09	9/99 0845	Shannon L. Stanek
8125	TPH IR (SW), Prep.	EPA 418.1 modified	1	03/0	0/99 1755	
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	4	03/0	9/99 1630	
7004	Extraction - DRO (Soils) Methyl tertiary butyl ether	TPH by CA LUFT	Ţ	03/03	0/99 1135	Steven A. Skiles
2464	Methyl tertiary butyl ether	SW-846 8020A, mod.	1	03/1/		
5550	8015 Mod. for Gasoline & BTEX	SW-846 6010A SW-846 7471A SW-846 7471A SW-846 7471A SW-846 8010B SW-846 8010B SW-846 7196A EPA 418.1 modified SW-846 3060A EPA 418.1 modified CA LUFT Diesel Range Organics TPH by CA LUFT SW-846 8020A, mod. CA LUFT /SW-846 8020A, mod.	Ţ	03/1	0/99 1135	Steagh W. Skiles

State of California Lab Certification No. 2116

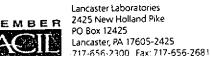
#=Laboratory Method Detection Limit exceeded State Regulatory Limit N.D.=Not detected at or above the Reporting Limit

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

Sonald I Shely f

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





LLI Sample No. SW 3105256 Collected: 3/4/99 at 12:00 by CS

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

Discard:

5547

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.

AS RECEIVED

CAT NO. ANALYSIS NAME

RESULTS

REPORTING LIMIT

UNITS

170. 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).

Methyl tertiary butyl ether 2464

Poor surrogate recoveries were observed for this sample due to the dilution

needed to perform the analysis.

._.a.=.=.=.=.=.=.=.=.=.=.=.=.=.= 8015 Mod. for Gasoline & BTEX 5550

	=,2.0.,,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=			
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)	280.	. 4.	mg/kg
	According to the California LUFT Protocol	the quantital	non for u	aaso i ine

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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS L	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

#=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 05:21:01 D 0001 22 134751 656006 0.00 00010600 ASR000

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

Sonsel I Shely f



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 17 656.7300 Fav. 717.656.7681



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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L	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	9 3			72	126
5555 TPH - GRO CA LUFT (Soils) 4. mg/kg	N.D.		102	105	2	111	. = . = . =		76 -=-=-=	117

		SURKUGATE SU	SURROGATE	LIMITS	
2464 Methyl tertiary butyl ether 5547 8015 Mod. for Diesel 5550 8015 Mod. for Gasoline & BTEX	TRIAL ID	SURROGATE TFT Chlorobenz o-Terpheny TFT-P	RECOVERY % 18 114 112 18	LOW 62 50 50 62	HIGH 131 150 150 131
5550 BUID FIOD. 101 GUSOTTHE & BILL	•	TFT-F	Ō	54	144

LABORATORY CHRONICLE

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

Jonald I Shely f

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



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

LLI Sample No. SW 3105257 Collected: 3/4/99 at 12:20 by CS

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

4/23/99 Discard:

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.

AS RECEIVED

CAT NO. ANALYSIS NAME

RESULTS

REPORTING LIMIT

UNITS

5547

2464

8015 Mod. for Diesel N.D. 10. mg 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).

Methyl tertiary butyl ether

N.D.

5550 8015 Mod. for Gasoline & BTEX

0.005 mg/kg 2603 N.D. Benzene 2604 N.D. 0.005 mg/kg Toluene 0.005 mg/kg 2606 5327 N.D. Ethy1benzene mg/kg Total Xylenes TPH - GRO CA LUFT (Soils) N.D. 0.015 1. mg/kg N.D. 5555 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 SAMPLE RPT LIM UNITS 5547 8015 Mod. for Diesel	BLANK Batch: 990690002A M070	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L LOW	IMITS HIGH
10. mg/kg	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 at (717) 656-2300 134751 656006 05:21:35 D 0001 0.00 00010600 ASR000

Respectfully Submitted

Tonald I Shely f

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







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

Account No: 09728 Mobil Business Resources Corp. 2063 Main Street

Rel.

P.O. 04-334

Suite 501 Oakley CA 94561

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

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD MS	MSD	MS RPD	LCS	CS LCS PD LOW	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 SUMMART			SURROGAT	E LIMITS
	TRIAL ID	SURROGATE	RECOVERY *	LOW	HIGH
2464 Methyl tertiary butyl ether 5547 8015 Mod. for Diesel		TFT Chlorobenz	84 99	62 50	131 150
5547 8015 Mod. Tol Diesel		o-Terpheny	118	50	150
5550 8015 Mod. for Gasoline & BTEX		TFT-P TFT-F	84 77	62 54	131 144

LABORATORY CHRONICLE

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

#=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

Sould I Shaly of

to for available and appropriations

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.

AS RECEIVED

CAT ANALYSIS NAME NO.

RESULTS

REPORTING LIMIT

UNITS

10. 8015 Mod. for Diesel 5547 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

hydrocarbons).

N.D.

5550 8015 Mod. for Gasoline & BTEX		5.2.2.2.2.2.	
2603 Benzene 2604 Toluene 2606 Ethylbenzene 5327 Total Xylenes 5555 TPH - GRO CA LUFT (Soils) According to the California LUFT Pro Range Organics was performed by peak to that of a gasoline reference stan-	area comparison of	the sample	e pattern

QUALITY CONTROL REPORT

	QUALL!	, 001111101		•						
SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L LOW	LIMITS HIGH
5547 8015 Mod. for Diesel 10. mg/kg	Batch: 990680004A M068 N.D.		7 8			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 134751 656006 05:22:10 D 0001

0.00 00010600 ASR000

Respectfully Submitted Thomas C. Lehman, Ph.D.

Jonald J Shely f

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

Account No: 09728

Mobil Business Resources Corp.

2063 Main Street

Suite 501

Oakley CA 94561

P.O. 04-334 Rel.

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

SAMPLE SAMPL RPT LIM UNITS		DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS L	IMITS HIGH
2606 Ethylbenzene 0.005 mg/kg	N.D.		91	94	4	96			73	123
5327 Total Xylenes 0.015 mg/kg 5555 TPH - GRO CA LUF	N.D.		87	90	4	93			72	126
5555 TPH - GRO CA LUF 1. mg/kg	N.D.		102	105	2	111		.=.=.=	76	117

	SURKUGATE SUMMAKT			SURROGAT	E LIMITS
	TRIAL ID	SURROGATE	RECOVERY *	LOW	HIGH
2464 Methyl tertiary butyl ether		TFT	86	62	131
5547 8015 Mod. for Diesel		Chlorobenz	87	50 50	150 150
FEER DATE No. 1 Com Company to DTTV		o-Terpheny	118 86	62	131
5550 8015 Mod. for Gasoline & BTEX		TFT-P TFT-F	79	54	144

LABORATORY CHRONICLE

CAT				anal	Y\$IS.	
NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1			Melissa A. McDermott
	Extraction - DRO (Soils)	TPH by CA LUFT	1		03/09/99 1630	Sally L. Appleyard
	Methyl tertiary butyl ether	SW-846 8020A, mod.	1			Steven A. Skiles
	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

#-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

Tonald I Shely f. Respectfully Submitted

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





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.

AS RECEIVED

CAT ANALYSIS NAME NO.

5553

RESULTS

REPORTING LIMIT

UNITS

200. 8015 Mod. for Diesel 2,100. 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, MIBE (8020)

=.=.=.=.<u>=</u>,=;£.=.=.a.a.=.p/.= 0.3 ug/1 210. 0776 Benzene 0777 Toluene 7.5 0.3 ug/1 660. 1. ug/l Ethylbenzene 0778 ug/1 Total Xylenes Methyl tert-Butyl Ether 0.6 0779 10. ug/1 N.D. 0780

Due to the nature of the sample matrix, the surrogate standard recovery is

above the range of specifications.

8268 8015 Mod. for Gasoline

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

QUALITY CONTROL REPORT

LCS LIMITS LCS DUP SAMPLE SAMPLE DUP RPD LOW HIGH MSD LCS RPT LIM **RPD** UNITS BLANK Batch: 990690007A M070 5553 8015 Mod. for Diesel 120 79 N.D. 200. ug/1 8209 BTEX. MTBE (8020) Batch: 99068A16

0776 Benzene 0.3 ug/1 N.D.

0777 Toluene

112 111

108

81 124

#=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 05:22:43 D 0001 22 134751 656006

0.00 00010100 ASR000

Respectfully Submitted Thomas C. Lehman, Ph.D.

Tonald I Shilly for

Group Leader. Petrol. Analysis





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

Discard:

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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD		MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS LOW	LIMITS HIGH
0.3 ug/1	N.D.		106	104	1	100 ·			84	119
0778 Ethylbenzene 1. 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) 100. ug/1	N.D.	 _	96	89	7 =.e.=.=	107	. =.=.=	.=.=.=	72	124
=. 2. 2. p. , p. = . = . = . = . = . = . = . = . = .	=.=.=.=. =.=.=.	SURROGATE	SUMMARY							

		SURRUGATE SUP	SURROGATE	LIMITS	
	TRIAL ID	SURROGATE	RECOVERY *	LOW	HIGH
5553 8015 Mod. for Diesel		Chlorobenz	111, 121	50 · 50	150 1 50
8209 BTEX, MTBE (8020)		o-Terpheny TFT	132	77	125
8268 8015 Mod. for Gasoline		T FT	99	61 	133
	E. H. # . = . = . # . #		*.=.6,=.=.=.=.		

LABORATORY CHRONICLE

CAT					1212	
	ALIAI VCTC MANC	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
NO	ANALYSIS NAME		11/11/4		02/12/00 0020	Denise L. Trimby
2135	Extraction - DRO Water Special	TPH by CA LUFT	Ţ		02/12/33 0320	Denise L. II IMDy
		CA LUCT Diseral Deven Operanics	1		03/14/99 2238	Melissa A. McDermott
5553	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	Ţ		00/17/00 0007	I/ Dahaat Tamas
0200	BTEX, MTBE (8020)	SW-846 8020A	1		03/10/99 205/	K. Robert James
						K. Robert James
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	T		02/10/33 5013	K. Robert Galles
000	0015 11501 101 000011110					

State of California Lab Certification No. 2116

#Laboratory Method Detection Limit exceeded State Regulatory Limit N.D. \Rightarrow 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

Tonsel I Shely f.



LLI Sample No. SW 3105260 Collected: 3/4/99 at 15:30 by CS

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

4/23/99 Discard:

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.

AS RECEIVED

CAT ANALYSIS NAME NO.

REPORTING RESULTS

UNITS LIMIT

5547

100. 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). 2464

N.D.# 0.5 Methyl tertiary butyl ether 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 limit of quantitation for the MTBE determination was increased.

5550 8015 Mod. for Gasoline & BTEX

0.2 0.2 mg/kg 2603 Benzene 2604 N.D.# 0.2 mg/kg Toluene 0.2 mg/kg 18. 2606 Ethylbenzene Total Xylenes 62. 0.50 mg/kg
TPH - GRO CA LUFT (Soils) 1.100. 20. mg/kg
According to the California LUFT Protocol, the quantitation for Gasoline mg/kg 5327 mg/kg 5555

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 SAMPLE RPT LIM UNITS 5547 8015 Mod. for Diesel

BLANK

DUP RPD

can recover and for excitenation of symbols and abbreviations

RPD

LCS LCS

LCS LIMITS LCS RPD LOW HIGH

Batch: 990680004A M068

#=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 05:23:17 D 0001 22 134751 656006 0.00 00010600 ASR000

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

Toused I Shely f



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

2216 Rev. 8/4/97

LLI Sample No. SW 3105260 Collected: 3/4/99 at 15:30 by CS

Discard:

4/23/99

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

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

Oakley CA 94561

P.O. 04-334

Rel.

AB-4 (4-5) Grab Soil Sample

5547 8015 Mod. for Diesel

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

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L Low	IMITS HIGH
10. ing/kg	N.D.		78			88	89	0	65	125
2464 Methyl tertiary butyl ether 0.5 mg/kg	Batch: 99068A34 N.D.		65	66	2	82			54	129
5550 8015 Mod. for Gasoline & BTEX	Batch: 99068A34									
2603 Benzene 0.2 mg/kg	N.D.		87	91	4	95			65	118
2604 Toluene 0.2 mg/kg	N.D.		84	87	4	89			72	131
2606 Ethylbenzene 0.2 mg/kg	N.D.		91	94	4	96			73	123
5327 Total Xylenes 0.50 mg/kg	N.D.		87	90	4	93			72	126
5555 TPH - GRO CA LUFT (Soils) 20. mg/kg	N.D.	=	102	105	2 =.=.=.=	111	.=.=.=	.=. = .=	.=.=.=	117 .=-=-=-

SURROGATE SUMMARY

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

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

LABORATORY CHRONICLE

CAT					.1212	
	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/10/99 2056	Melissa A. McDermott
		TPH by CA LUFT	ī		03/09/99 1630	Sally L. Appleyard
	Extraction - DRO (Soils)	** **	ī		03/10/99 1447	Steven A. Skiles
2464	Methyl tertiary butyl ether	SW-846_8020A, mod.	<u> </u>		03/10/33 177/	Steven A. Skiles
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	T		03/10/33 144/	Present V. Priles

#-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

Tonald I Shely for

wares aide for explanation of symbols and abbreviations

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.

AS RECEIVED

CAT NO.

ANALYSIS NAME

RESULTS

REPORTING

LIMIT

UNITS

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

Donald I Shilly for





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

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

4/25/99 Discard:

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.

AS RECEIVED

CAT NO. ANALYSIS NAME

REPORTING RESULTS LIMIT

UNITS

5547

700.

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

The quantitation limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

2307 MTBE by GC/MS (soil)

N.D. # 100. ug/kg 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.

mg/kg 8. 2464 Methyl tertiary butyl ether Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

5550 8015 Mod. for Gasoline & BTEX

0.4 3.4 mg/kg 2603 Benzene 18. 0.4 mg/kg 2604 Toluene 0.4 38. mg/kg 2606 Ethylbenzene Total Xylenes TPH - GRO CA LUFT (Soils) 5327 170. 1.0 mg/kg 2,600. 5555 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.

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

0.00 00020100 ASR000

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





.ancaster Laboratories

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

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

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







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

SAMPLE RPT LIM SAMPLE UNITS

BLANK

RPD

Suite 501 Oakley CA 94561

Account No: 09728

2063 Main Street

Mobil Business Resources Corp.

RPD

LCS

DUP RPD

P.O. 04-334

Rel.

LCS LIMITS LOW HIGH

LABORATORY CHRONICLE

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





LLI Sample No. SW 3105262 Collected: 3/4/99 at 16:15 by CS

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

4/23/99 Discard:

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.

AS RECEIVED

CAT ANALYSIS NAME NO.

2464

RESULTS

REPORTING LIMIT

UNITS

5547 8015 Mod. for Diesel N.D. 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). Methyl tertiary butyl ether

N.D.

0.1

.=.2.2.2.2.2.0.2.2.0.2.6.6.6.2.2. 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 Protoco	l, the quantita	ation for Ga	isoline
	Range Organics was performed by peak area	a comparison o	f the sample	<u>pattern</u>
	to that of a sacoline reference standard	Chatriagn CC at	ad C12 marm:	١.

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

QUALITY CONTROL REPORT

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L	_IMITS 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 2604 Toluene	N.D.		87	91	4	95			65	118
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 134751 656006 05:24:30 D 0001

0.00 00010600 ASR000

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

Tonsel I Shely f.





Lancaster Laboratories

LLI Sample No. SW 3105262 Collected: 3/ 4/99 at 16:15 by CS

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

4/23/99 Discard:

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.

	MPLE IITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LOW LCS I	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	9 3		•	72	126
5555 TPH - GRO CA 1. mg/kg		N.D.		102	105 =-=-=-	2	111	.=.=.#	s.=.=.	76 =-=-=	117

SURROGATE SUMMARY SURROGATE LIMITS RECOVERY * LOW SURROGATE TRIAL ID 62 131 2464 Methyl tertiary butyl ether 5547 8015 Mod. for Diesel 81 TFT 50 150 53 Chlorobenz 150 50 o-Terpheny 62 131 81 5550 8015 Mod. for Gasoline & BTEX TFT-P TFT-F 83

LABORATORY CHRONICLE

CAT				anai	.YS1S	
NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/10/99 2016	Melissa A. McDermott
	Extraction - DRO (Soils)	TPH by CA LUFT	ī		03/09/99 1630	Sally L. Appleyard
	Methyl tertiary butyl ether	SW-846 8020A, mod.	ī		03/10/99 1852	Paul Vogel
	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	ī		03/10/99 1852	
2220	COTO MONT TOL MERCAL LINE & DIEY	CA LOFT / 3M-040 GUZUA, IIIOU.	_		10, 21, 33 2002	

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

Tonsel I Shally for





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

AS RECEIVED

Oakley CA 94561

P.O. 04-334 Rel.

CAT		, 10 11202	REPORTING			
NO.	ANALYSIS NAME	RESULTS	LIMIT	UNITS		
5547	8015 Mod. for Diesel According to the California LUFT Protoco Range Organics was performed by peak are to that of our #2 fuel oil reference sta hydrocarbons).	ea comparison o	f the sample	pattern		
2464		N.D.	0.1	mg/kg	.=.=.#.@.=.=.#.=.=.=.=	
5550	8015 Mod. for Gasoline & BTEX		_	m = =		=. ~. = . = . = . = . = .
2603 2604 2606 5327 5555	Benzene Toluene Ethylbenzene Total Xylenes TPH - GRO CA LUFT (Soils) According to the California LUFT Protoco Range Organics was performed by peak are to that of a gasoline reference standard hydrocarbons).	ea comparison o	of the sample	pattern		

QUALITY	CONTROL	REPORT
---------	---------	--------

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L	IMITS. 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

Tonce of I Shely f.

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

1.5025 4 4





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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L	IMITS HIGH
2606 Ethylbenzene 0.005 mg/kg	N.D.		91	94	4	96			73	123
5327 Total Xylenes 0.015 mg/kg 5555 TPH - GRO CA LUFT (Soils)	N.D.		87	90	4	93			72	126
1. mg/kg	N.D.	 	102	105	2 	111	2.5.=	.=.=.=	.=-=-	117

SURROGATE SUMMARY SURROGATE LIMITS RECOVERY * LOW TRIAL ID SURROGATE 79 62 2464 Methyl tertiary butyl ether TFT 78 50 5547 8015 Mod. for Diesel Chlorobenz o-Terpheny TFT-P 50 150 107 131 5550 8015 Mod. for Gasoline & BTEX 74 54 144 TFT-F

LABORATORY CHRONICLE

CAT				anai	.YS1S	
NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	
	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1			Melissa A. McDermott
	Extraction - DRO (Soils)	TPH by CA LUFT	1		03/09/99 1630	Sally L. Appleyard
			1		03/10/99 2007	Paul Vogel
5550	8015 Mod. for Gasoline & BTEX		1		03/10/99 2007	Paul Vogel
2464 5550	Methyl tertiary butyl ether 8015 Mod. for Gasoline & BTEX	SW-846 8020A, mod. CA LUFT /SW-846 8020A, mod.	1			

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

Tonal I Study for





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.

AS RECEIVED

CAT ANALYSIS NAME NO.

RESULTS

REPORTING LIMIT

UNITS

5547 8015 Mod. for Diesel

N.D.

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). 0.1

Methyl tertiary butyl ether 2464

N.D.

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 Protoc	ol, the quantital	tion for Ga	asoline
	Range Organics was performed by peak ar	ea comparison of	the sample	e pattern
	to that of a gasoline reference standar	d (between C6 and	i C12 norma	a l
	hudrocanhone)			

hydrocarbons). =.=.=.=.±.±.±.

QUALITY CONTROL REPORT

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS (IMITS 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 Jeddiah E. Turzi at (717) 656-2300 05:25:32 D 0001 22 134751 656006

0.00 00010600 ASR000

Respectfully Submitted

Stoneld I Shely for

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

MEMBER

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

4/23/99 Discard:

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.

HODITIE ISE CHOOSE THITTES	D, 14. 020010 14.103, 4.1									
SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS (IMITS HIGH
2606 Ethylbenzene 0.005 mg/kg	N.D.		91	94	4	96			73	123
5327 Total Xylenes 0.015 mg/kg 5555 TPH - GRO CA LUFT (Soil:	N.D.		87	90	4	93			72	126
1. mg/kg	N.D.		102	105	2	111		.=.=.=	76	117

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

LABORATORY CHRONICLE

CAT ANALYSIS	
NO ANALYSTS NAME METHOD TRIAL ID DATE AND TIME ANALYST	
5547 8015 Mod. for Diesel CA LUFT Diesel Range Organics 1 03/10/99 1936 Melissa A. Mc	
7004 Extraction - DRO (Soils) TPH by CA LUFT 1 03/09/99 1630 Sally L. Appl	eyard
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

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

Sonald I Shely for





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.

AS RECEIVED

5547

2.2.B.E.E.E.

RESULTS

REPORTING

LIMIT UNITS

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

ND

0.1

ma/ko

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 Pr	otocol, the quantitat	ion for G	asoline
	Range Organics was performed by pea	ak area comparison of	the sampl	e pattern
	to that of a gasoline reference sta	andard (between C6 and	C12 norm	al'
	hydrocarbons).	(200,400, 20 0		
	illai ocai policy i			

QUALITY CONTROL REPORT

SAMPLE SAMPLE RPT LIM UNITS 5547 8015 Mod. for Diesel 10. mg/kg	BLANK Batch: 990690002A M070 N.D.	DUP RPD	MS 70	MSD	MS RPD	LCS 89	LCS DUP 94	LCS RPD 5	LCS L LOW 65	IMITS HIGH 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 2603 Benzene	Batch: 99068A34									
0.005 mg/kg 2604 Toluene	N.D.		87	91	4	95			65	118
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

0.00 00010600 ASR000

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

Tonal I Shely f



ancaster Laboratories

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

Sample

AB-5 (15-16) Grab Soil Sample LOC# 04-334 PRCA# 980044 PHC# 2L

SAMPLE

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.

LCS LIMITS LCS LOW

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

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

LABORATORY CHRONICLE

CAT				anai	_YSIS	
NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	analyst
5547	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/11/99 1253	Melissa A. McDermott
	Extraction - DRO (Soils)	TPH by CA LUFT	1		03/10/99 1630	Sally L. Appleyard
		SW-846 8020A, mod.	ī		03/10/99 2201	
	Methyl tertiary butyl ether		i		03/10/99 2201	
5550	8015 Mod. for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	1		03/10/33 EE41	1441 10241

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

Sould I Shely f.

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





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.

AS RECEIVED

CAT NO. ANALYSIS NAME

5553

REPORTING RESULTS LIMIT

UNITS

8015 Mod. for Diesel 5,500. 1,000. ug 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)

100. 0.3 ug/1 0776 Benzene 0.3 ug/1 0777 Toluene 43. Ethylbenzene 0778 170. 0.3 ug/l 0.6 260. ug/l 0779 Total Xylenes 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.

8,8,5,2,2.2,2,^{*}.2.2.2.2.2.2.2.2.2.2.

8015 Mod. for Gasoline 8268

2,900. 50. TPH-GRO (CA LUFT) Due to the nature of the sample matrix, the surrogate standard recovery is

above the range of specifications.

OUALITY CONTROL REPORT

DUP

RPD

_=.=.=.=.

SAMPLE SAMPLE UNITS RPT LIM 5553 8015 Mod. for Diesel ug/1 1,000.

BLANK Batch: 990690007A M074 N.D.

MSD

RPD

LCS

84

100 LCS LCS LIMITS DUP RPD LOW

6

79

120 50

HIGH

8209 BTEX, MTBE (8020)

Batch: 99068A16

#-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 05:26:34 D 0001 22 134751 656006 05:26:34 D 0001

0.00 00010100 ASR000

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

Donald I Shely f



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.

INDITIE ISE DUSTIO FO	riej biva. castro variej, on									
SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS L LOW	IMITS HIGH
0776 Benzene 0.3 ug/l	N.D.		111	112	0	108			81	124
0777 Toluene 0.3 ug/l 0778 Ethylbenzene	N.D.	·	106	104	1	100			84	119
0.3 ug/l 0779 Total Xylenes	N.D.		103	101	2	99			82	118
0.6 ug/l 0780 Methyl tert-Butyl E	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 SU	MMARY		
			SURROGATI	E LIMITS
TRIAL ID	SURROGATE	RECOVERY *	LOW	HIGH
	Chlorobenz	50	50	150
	o-Terpheny	73	50	150
	TFT	116	77	125
	TFT	152	61	133
	TRIAL ID	TRIAL ID SURROGATE Chlorobenz o-Terpheny TFT	TRIAL ID SURROGATE RECOVERY \$ Chlorobenz 50 o-Terpheny 73 TFT 116	TRIAL ID SURROGATE RECOVERY \$ LOW Chlorobenz 50 50 50 c-Terpheny 73 50 TFT 116 77

LABORATORY CHRONICLE

ANALYSIS CAT TRIAL ID DATE AND TIME ANALYSIS NAME analyst NO METHOD 2135 Extraction - DRO Water Special TPH by CA LUFT CA LUFT CA LUFT Diesel Range Organics SW-846 8020A 03/12/99 0930 Denise L. Trimby 1 03/15/99 1639 Melissa A. McDermott K. Robert James
K. Robert James 03/11/99 0039 03/11/99 0039 8268 8015 Mod. for Gasoline CA LUFT Gasoline Method

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

Jonald I Shely f

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





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 ANALYSIS NAME

REPORTING RESULTS LIMIT

UNITS

NO.

5553

8015 Mod. for Diesel 1,600. 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)

=.=.=.=.	2.2.2.2.2.2.		=.=.=.=.=	.=.5.7.=.
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/1
0 780	Methyl tert-Butyl Ether	N.D.	10.	ug/1
	The vial submitted for volatile analysis	did not have a	pH < 2 a	t the time
	of analysis. Due to the volatile nature	of the analyte	s, it is	not
	appropriate for the laboratory to adjust	the nu at the	tima af c	amnlo

appropriate for the laboratory to adjust the pH at the time of sample receipt.

8268 8015 Mod. for Gasoline

5554 TPH-GRO (CA LUFT)

50. N.D.

ug/1

QUALITY CONTROL REPORT

DUP

RPD

SAMPLE SAMPLE UNITS RPT LIM 5553 8015 Mod. for Diesel

MSD

RPD

LCS LC\$ **RPD** LCS DUP

79

6

LCS LIMITS LOW HIGH

500. ug/l

BLANK Batch: 990690007A M074

N.D.

84

120 50

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 Jedidiah E. Turzi at (717) 656-2300 at (717) 656-2300 134751 656006 05:27:10 D 0001 0.00 00010100 ASR000 673

Tonsel I Shely f.

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





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

±.2.a....

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 SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I Low	_IMITS HIGH
0.3 úg/1	N.D.	1	111	112	0	108			81	124
0777 Toluene 0.3 ug/l	N.D.	1	106	104	1	100			84	119
0778 Ethylbenzene 0.3 ug/l	N.D.	1	103	101	2	99			82	118
0779 Total Xylenes 0.6 ug/l	N.D.	1	104	102	2	101			81	120
0780 Methyl tert-Butyl Ether 10. ug/l	N.D.	1	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		.#.E.=	72	124
		MIRRID CHARLE	hV							

		SURRUGATE SUM	MAKT	SURROGATE	LIMITS
5553 8015 Mod. for Diesel	TRIAL ID	SURROGATE Chlorobenz o-Terpheny	RECOVERY * 54 121	LOW 50 50	HIGH 150 150
8209 BTEX, MTBE (8020) 8268 8015 Mod. for Gasoline		TFT TFT	100 83	77 61	125 133
;, =,=,=,=,=,=,=, =,=,=,=,=,=,=,=,=,=,=,=	=.=.=.=.	LABORATORY C	HRONICLE		

		D DOLOTTOIL THINKS				
CAT	· · · · · · · · · · · · · · · · · · ·			anal	_YSIS	
NO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	ANALYST
	Extraction - DRO Water Special		1		03/12/99 0930	Denise L. Trimby
			1		02/15/00 11/5	Melissa A. McDermott
5553	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	Ť		03/13/33 1143	MET 1538 A. MCDET HALL
8209	BTEX. MTBE (8020)	SW-846 8020A	1		03/11/99 0153	K. Robert James
	8015 Mod for Gasoline	CA LUFT Gasoline Method	1		03/11/99 0153	K. Robert James

CA LUFT Gasoline Method

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

Tonald I Shely f. Respectfully Submitted Thomas C. Lehman, Ph.D. Group Leader, Petrol. Analysis



8268 8015 Mod. for Gasoline



LLI Sample No. WW 3105268 Collected: 3/5/99 at 10:00 by CS

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

4/29/99 Discard:

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		AS R	ECEIVED REPORTING		
CAT NO.	ANALYSIS NAME	RESULTS	LIMIT	UNITS	
8405	Purgeable Halocarbons (8010)		g.=.=.=.=.=.=.=		:.=.=.=.#.B.G.G.G.G.G.G.G.G.G.G.G.G.G.G.G.G.G.G
8484 8485 8487 8488 8489 8490 8492 8494 8496 8498 8502 8504 8506 8509 8511 8512 8514 8516 8517 8518 8520	Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 1,2-Dichloroethane chloroform 1,2-Dichloroethane 1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloropropane Trichloroethene Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Dibromochloromethane	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.50 0.20 0.20 0.20 0.20 0.20 0.20 0.20	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	
8523 8526 8527 8528	Tetrachloroethene Chlorobenzene Bromoform 1,1,2,2-Tetrachloroethane	N.D. N.D. N.D.	0.20 0.20 0.20	ug/1 ug/1 ug/1	=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,
8412	Dichlorodifluoromethane				•
SARS	Dichlorodifluoromethane	ND	0.20	ua/1	
	2.Chloroethyl Vinyl Ether				2.00,2.0.2.2.2.0.2.2.2.2.2.2.2.2.2.2.2.2

#-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 0.00 00022900 ASR000

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

Tonal I Shely f.







LLI Sample No. WW 3105268 Collected: 3/5/99 at 10:00 by CS

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

4/29/99 Discard:

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.

AS RECEIVED

CAT NO. ANALYSIS NAME

REPORTING RESULTS

LIMIT

UNITS

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.

1126 Petroleum Hydrocarbons (418.1) 1.00 0.16

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.

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.

8209 BTEX. MTBE (8020)

0776 Benzene

Ethylbenzene

0777 Toluene

5553

0778

0779

0780

N.D. N.D. 0.3 0.3

ug/1 ug/1

8.0

0.3

ug/1 ug/l

ug/1

Total Xylenes

N.D. 0.6

Methyl tert-Butyl Ether N.D. 10. The vial submitted for volatile analysis did not have a pH < 2 at the time

of analysis. Due to the volatile nature of the analytes, it is not

appropriate for the laboratory to adjust the pH at the time of sample

receipt.

8268 8015 Mod. for Gasoline

5554 TPH-GRO (CA LUFT)

N.D.

50.

ug/1

QUALITY CONTROL REPORT

#-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

Tonal I Shally for

MEMBER



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

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Oakley CA 94561

P.O. 04-334 Rel.

AS RECEIVED

CAT NO. ANALYSIS NAME

RESULTS

REPORTING LIMIT

UNITS

	SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I	LIMITS HIGH
8405 Pu	urgeable Ha	alocarbons (8010)	Batch: 99073A18						,			
8484	Chloromet		N D		96	102	6	103			41	150
8485	0.50 t Vinyl Chl	ug/] Loride	N.D.		90	102	Ü	103			71	130
	0.20 ເ	ıg/1	N.D.		93	96	3	99			47	128
8487	0.5 0 ι	ıg/1	N.D.		88	89	• 1	92			56	131
8488		nane 19/1	N.D.		89	90	1	94			60	115
8489		ofluoromethane	W.D.			••	_					
	0.20 ι	.g/1	N.D.		91	93	2	95			49	138
8490	1,1-Dich	loroethene ug/1	N.D.		103	102	1	106			65	142
8492	Methylene	e Chloride						***			70	124
0404	0.20	ig/l	N.D.		100	101	1	103			70	134
8494	0.20 (2-Dichloroethene 1g/1	N.D.		100	98	2	100			80	125
8496	1,1-Dich	loroethane					_					4.63
	0.20	ıg/1	N.D.		106	104	2	107			81	127
8498		Dichloroethene ug/l	N.D.		109	106	3	108			77	138
8502			n.U.		103	100	Ū					
	0.20	ug/1	N.D.		106	104	2	105			82	130
8504	1,2-Dich				105	105	0	106	•		83	127
9506		ug/l ichloroethane	N.D.	•	105	100	U	100			05	44.
6500		ug/]	N.D.		104	102	2	104			80	131
8509	Carbon Te	etrachloride ug/l	. N.D.		99	97	2	102			82	132
	0,20	73. I	· H.O.				_					

#=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

Tonal I Shely f.

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





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

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	SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS	LIMITS HIGH
	1,2-Dichlo 0.20 ug Trichloros	j/1 ` ΄	N.D.		100	98	2	102			86	124
	0.20 ud	1/1	N.D.		99	99	0	100			84	123
	Bromodich 0.20 ug	<u>;/1</u>	N.D.		94	92	. 1	102			81	126
	0.20 ug	chloropropene	N.D.		91	92	0	99			82	130
	0.20 ug	Dichloropropene	N.D.		96	96	0	104			83	129
	0.20 ug	chloroethane g/l	N.D.		97	97	. 0	101			86	130
	Dibromochi 0.20 ug	<u>1</u> /1	N.D.		81	82	1	100			79	126
		<u></u> /1	N.D.		101	96	5	103			82	134
		sene g/1	N.D.		102	101	1	103			84	122
		y/1	N.D.		7 5	76	1	103			68	132
8528	0.20 ug	trachloroethane /	N.D.		104	104	0	108			80	131
8412 D	ichlorodifl	oromethane	Batch: 99073A18									
8483		fluoromethane g/l	N.D.		98	99	0	107			18	174
8419 2	Chloroethy	Vinyl Ether	Batch: 99073A18	•								
	1.0 ug	chyl Vinyl Ether g/l drocarbons (418.1)	N.D. Batch: 990700401112600A		Ò	0	0	105	•		59	150
		ı/1	N.D. 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

Tonsel I Stuly f.

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



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 I	LIMITS HIGH
200. i	.g/1	N.D.					84	79	6	50	120
8209 BTEX, MTBE ((8020)	Batch: 99068A16						,			
0776 Benzene	• • • • • • • • • • • • • • • • • • • •										
0.3 ι	.g/1	N.D.		111	112	0	108			81	124
0777 Toluene 0.3 ι		N.D.		106	104	1	100			84	119
0778 Ethylbenz 0.3 ι	.g/1	N.D.		103	101	2	99			82	118
0779 Total Xyl 0.6 ι	ıg/1	N.D.		104	102	2	101			81	120
0780 Methyl te 10. ι	ert-Butyl Ether 19/1	N.D.		107	107	0	102			79	125
8268 8015 Mod. fo	or Gasoline	Batch: 99068A16									
EEEA TOU COO	/CA 111ET\										
5554 TPH-GRO (ig/1	N.D.		96	89	7	107			72	124
(1) The result for	or one or both deter	minations was less than five	e times th	ne LOQ	•						

		SURROGATE SUM	MARY		
				SURROGATE	LIMITS
•	TRIAL ID	SURROGATE	RECOVERY *	LOW	HIGH
5553 8015 Mod. for Diesel		Chlorobenz	74	50	150
		o-Terpheny	110	50	15 0
8209 BTEX, MTBE (8020)		TFT	101	77	125
8268 8015 Mod. for Gasoline		TFT	83	61	13 3
8405 Purgeable Halocarbons (8010)		BrC1Benz-H	93	70	133
•		BrC1Benz-P	95	78 ·	133
8412 Dichlorodifluoromethane		BrC1Benz-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 I Shely f.

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



Lancaster Laboratories 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
	Dichlorodifluoromethane	SW-846 8010B	1		03/16/99 1522	Dale R. Rhodes
	2-Chloroethyl Vinyl Ether	SW-846 8010B	1		03/16/99 1522	Dale R. Rhodes
	Petroleum Hydrocarbons (418.1)		1		03/12/99 0851	Shannon L. Stanek
	TPH IR (W), Prep.	EPA 418.1	1		03/11/99 0815	Shannon L. Stanek
	Extraction - DRO Water Special		1		03/12/99 0930	Denise L. Trimby
	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/15/99 1205	Melissa A. McDermott
	BTEX, MTBE (8020)	SW-846 8020A	1		03/11/99 0230	K. Robert James
	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

Toncel I Shely f.

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



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

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AS RECEIVED

CAT NO. ANALYSIS NAME

RESULTS

REPORTING LIMIT

UNITS

5553 8015 Mod. for Diesel 450. 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 0777 0778 0779 0780	Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether	N.D. N.D. N.D. N.D. N.D.	0.3 0.3 0.3 0.6	ug/1 ug/1 ug/1 ug/1 ug/1	
8268	8015 Mod. for Gasoline	K.D.	.=.=. =.	.=.=.=.=.	
	=-		.=.=.=.=.	.=.=.=.=. 	-=-=

ug/1 TPH-GRO (CA LUFT) N.D. 5554

QUALITY CONTROL REPORT

SAMPLE SAMPLE RPT LIM UNITS	BLANK	RPD	MS	MSD	RPD	LCS	DUP	RPD	LOW	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 0.3 ug/l	N.D.		106	104	1	100			84	119	

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

1 COPY TO Alton Geoscience

0778 Ethylbenzene

ATTN: Tom Seeliger

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

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

Tonsel I Shely f.



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

w.

LCC LIMITS

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

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SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP R PD	MS	MSD	MS RPD	LCS	DUP	RPD	LCS I	HIGH
0.3 ug/1	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
2.2.2.2.2.2.2.2.2.	=.=.=.=.=.=.=	SURROGATE SU	=∙=∙ =∙= MMARY	.9.=.=.=						
		SURROUATE 30	TENACI			SURR	DGATE	LIMITS		
	TOTAL TO	CHROCCATE	DE	COVEDY Y		100		HI	3H	

				SURROGATE	LIMITS
	TRIAL ID	SURROGATE	RECOVERY X	LOW	HIGH
5553 8015 Mod. for Diesel		Chlorobenz	78	50	150
		o-Terpheny	110	50	150
8209 BTEX, MTBE (8020)		TFT PHONG	102	77	125
8268 8015 Mod. for Gasoline		ॉर् ग	83	61	133
.=.=.=.=.=.=.=.=.=.=.=.=.=.=.=.=.=		= .=.=. =.=	.=.8.=.=.=.=.8.=.8.=.=		# .=.= -=-
		I ABORATORY	CHRONICLE		

	,	LABORATORY	CHRONIC
T			

CAT	•	EADOLATOR CHROIT	CLL	ANAL	YSIS	
ŇO	ANALYSIS NAME	METHOD	TRIAL	ID	DATE AND TIME	
2135	Extraction - DRO Water Special	TPH by CA LUFT	1			Denise L. Trimby
	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1			Melissa A. McDermott
8209	BTEX, MTBE (8020)	SW-846 8020A	1			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 I Shally f.

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



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 202 7000 Cap 717 606 7691

LLI Sample No. SW 3105270 Collected: 3/5/99 at 11:45 by CS

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

4/23/99 Discard:

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.0.	04-334
Rel.	

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD MS	MSD	MS RPD L	LCS CS DUP	LCS RPD	LCS L LOW	IMITS 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	39		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 1	11 		. 76	117

SURROGATE SUMMARY SURROGATE LIMITS SURROGATE RECOVERY * LOW TRIAL ID 131 2464 Methyl tertiary butyl ether TFT 93 50 124 150 Ch1orobenz 5547 8015 Mod. for Diesel 125 50 150 o-Terpheny 131 93 5550 8015 Mod. for Gasoline & BTEX TFT-P 21 54 TFT-F

		LADUKATUKT CRKUN	1065			
CAT				anai	_YSIS	
NO	ANALYSIS NAME	METHOD	TRIAL	ΙĐ	DATE AND TIME	ANALYST
	SW SW846 ICP Digest	SW-846 3050A	1		03/11/99 2358	Annamaria Stipkovits
	Lead TR	SW-846 6010A	1		03/18/99 0249	Donna R. Sackett
	8015 Mod. for Diesel	CA LUFT Diesel Range Organics	1		03/10/99 2137	Melissa A. McDermott
	Extraction - DRO (Soils)	TPH by CA LUFT	1		03/09/99 1630	Sally L. Appleyard
2464		SW-846 8020A, mod.	ī		03/11/99 0043	Stephanie A. Selis
	8015 Mod for Gasoline & BTEX	CA LUFT /SW-846 8020A, mod.	Ī		03/11/99 0043	Paul Vogel

LADODATORY CURONICLE

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

mold I Shely f.



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



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

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P.O. 04-334 Rel.

			AS RECE	IVED						
	CAT	ANALVOTO NAME	DECIN TO	REPORTING	INITTO					
	NO.	ANALYSIS NAME	RESULTS	LIMIT	UNITS					
	6955	Lead TR	9.4	0.40	mg/kg					
	5547	8015 Mod. for Diesel	110.	10.	mg/kg					
		According to the California LUFT Protocol								
	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).	idal d (Detweel)	CIV diki CEO	1101 Hid 1					
	2464	Methyl tertiary butyl ether	N.Đ.	0.1	mg/kg					
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=		8015 Mod. for Gasoline & BTEX	=-=-=-	.=.=.=.=.	.=.=.=.	.=				
	2603	Benzene	0.012	0.005	mg/kg					
	2604	Toluene	N.D.		mg/kg					
	2606	Ethylbenzene	0.31	0.005	mg/kg					
	5327	Total Xylenes	.0.17	0.015	mg/kg					
	5555	TPH - GRO CA LUFT (Soils)	45.	Z.	mg/kg					
		According to the California LUFT Protocol Range Organics was performed by peak area	, the quantit	diluli lor da f tha camala	nattern					
		to that of a gasoline reference standard	(between C6 a	nd C12 norma	paccern 1					
		hydrocarbons).	(Decineen oo a	110 OZE 1101 III4	•					
		Poor surrogate recoveries were observed f	or this sampl	e due to the	dilution					
		needed to perform the analysis.	•							
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QUALITY CONTROL REPORT

SAMPLE SAMPLE RPT LIM UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS LOW	LIMITS HIGH
6955 Lead TR 0.40 mg/kg	Batch: 990705708003 N.D.	5	92	94	1	89			60	140
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

#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 05:29:20 D 0001 22 134751 656006

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



Mobil Western Region Analysis Request/Chain of Custody





For Lancaster Laboratories use only

Acct. #: 9728

Sample #: 3105 249 - 70

	Please print			SCR#:
Mobil Consultant/Office: 1711 GCOSCIENCE Consultant Prj. Mgr: 10m Seeliger Prj. #: 41-01	Matrix	Analyses Requesti Preservativ	ed suits total number of containers in the box under each analysis.	Preservative Acodes
Consultant Phone #: (925)608-9150 Fax#: (925)			8 5 8	H ≡HGI T mThiosulfate
Location Code #: 04-334	1 2 S S S S S	DROM X	SOIO (2) (2)	iiN.≘HNO. B⊆NaOH 5=H.SO. O=Other
PRCA/AFE/Release #: 980044 Phase Code:	2L	¥ ₩ _	74210 1272 1422	at markets.
Site Address: 2442 Castro Valley Blud. Costro Va		80210 + D GRÖX 1 DXO	74211 EPA TRZ	escent of the day of the control of
Sampler: Chris Smiga		SS 의 및 왕		Andria in a Charles in its and
Mobil Engineer: Cherine Foutch		8020)X 8 8015 MOD PH GX CI VZ	14200 01 d- 2C	A CONTROL OF THE PROPERTY OF
Pate:	Collected Strabbon Soll Control	8 8 7 2 2	Lead 74200 74210 Joh Or Le grue E PA HVOC	
		BTEX NWT TPHA TPHA		Remarks
AB-1 (10-11) 3-4-49	10:00 X X			100 THE
AB-1 (4-5)	9:45	XX		And the Contract
AB-1 (19-20)	10:20	XX		
AB-1 (15-16)	10:10	X X		APlease analyze
AB-2(4-5)	10:50 2	XX		Soil for MTBED
AB-2(10-11)	11:05 2	XX	ズメイ	confirm blakest
AB-2(15-16)	11:38 2		 	Ponc. W/ 8260
AB-3(4-5)	12:00	XX		
AB-3(10-11	12:20 1	XX		
AB-3(15-16)	12:45 V V 1	XX		
Turnaround Time Requested (TAT) (please circle):	Relinguished by:	Date	Time Received by:	Date Time
MOBIL STD. TAT 72 hour 48 hour	fru Loriga	3-5-99	100	
24 hour otherday	Relinquished by:	Date	Time Received by:	Date Time
Data Package Options (please circle if requested) SDG Complete	Relinquished by:	Date	Time Received by:	Date Time
QC Summary GLP Yes No	Tremiquistica by.	Date	Tane Received by.) Bate Inne
Type I (Tier I) Other Site-specific QC required? Yes (Vi) (If yes, Indicate QC sample	Relinquished by Commercial Carrier.		Received by:	Date Time
Type IV (CLP) and submit triplicate volume.	UPS FedEx Other	·- ·- · · · · · · · · · · · · · · · · ·	- TMad	lelen 3/6/89/03:
Type VI (Raw Data) Internal Chain of Custody WIP required? Yes (No.)	Temperature Upon Receipt	<u></u> .c.	Custody Seals Int	

Mobil Western Region Analysis Request/Chain of Custody



,						Plea	se p	rint.										<u></u>						
Mobil Consultant/Office: Alton Geoscience							•		/Ar	ialys				ed - l ve Co		total number of container: box under each analysts:					9170	tive Codes		
Consultant Prj. Mgr: $TomSeeliger$ Prj. #: $41-0115-60$ Consultant Phone #: $925)606-9150$ Fax #: $925)606-9260$ Location Code #: $94-334$ PRCA/AFE/Release #: 980044 Phase Code: 92606 Site Address: 980044 Phase Code: 980044 Pha						© Potable → □ NPDES		Containers	80210 + MTBECK X	свод реод	DxO			7421□						- N=	HNO.	T∈Thiosul B=NaOH •• Other	ate	
Site Address: 2492(ast Sampler: Chris Sm Mobil Engineer: Chris Chris Sm Sample Identification:	Foutch	Date : Collected			Composite Soil Soil Soil Soil Soil Soil Soil Soil	Nater	ol⊟'Air 🗆	Total Number of	BTEX 802015 80	TPH 8015 MOD	NWTPH Gx□	TPHAZ	Title 22 Metals	Lead 7420□						emari				
AB-3		3-5-41		X	0 0	X		6	X	X	-2	<u> </u>				-	-			· ·		m hi	host	
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MOBIL STD. TAT 72 ho 24 hour other			Retinquist	ed-by	A	بر <u>ح</u> ارد	<i>ŞD</i>	m				ate	?	Time	•	Received by:		·····				Date	Time	
Data Package Options (please QC Summary GLP Type I (Tier I) Other	Yes	No No	Relinquis	ned by	<i>r</i> :						Date			Time	2	Received by:						Date	Time	
Type III (NJ Red. Del.) Disk Type IV (CLP)	Site-specific QC requ Yes No If yes, indicate and submit triplicate volum	e QC sample	Relinquis UPS	_	y Con edEx	ommercial Carrier:							!			Received by:				n		Date 3/6/9	Time (0.30	
Type VI (Raw Data) WIP	Internal Chain of Currequired? Yes No			Tempo	erature	rre Upon Receipt 4_ °C \										Custody Seals Intact?								

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Mobil Western Region Analysis Request/Chain of Custody

Lancaster Laboratories

A division of Thermo Analytical Inc.

For Lancaster Laboratories use only

Acct. #: 4728 San	iple #:3 105249 -70
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		Plea	se print	t .					•	sc	CR#:				
Mobil Consultant/Office: AHON GEOSCIENCE	Matrix		An	200, 20,000			**************************************	otal number of co ox under each and	rtainers in its lysis: ex ex	Preser	vative Codes				
Consultant Prj. Mgr: Tom See Liger Prj. #: 41-011	5-60	_		V	P	reserv	rative	Cod	es Si	<u> </u>		TreeThiosu			
Consultant Phone #: (925)606 7260 Fax #: (925)	6067150				-	+	-			-		B=NaOH	in le		
Location Code #: 04-334		ES FS	eis	米 Manny Man Manny Manny Manny Manny Manny Manny Manny Manny Manny Manny Man	DRO			EPA	800			o =Other			
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Site Address: 2492 Castro Valley Blud Castro Va	State: <u>CP</u>		9	8021E	GRODY FY	\$	l	74210	BA						
Sampler: Chris Smiga Mobil Engineer: Chenne Foutch		_	5 17	91 1	8 0	3	Sign 1								
Mobil Engineer: Chenne Foutch	i e		T qu	80205	8015 MOD		Metals	Lead 7420U							
Pato	Time = E	<u>. ja</u>					\sim 1	- - -	HVOC						
Sample Identification Date Collected	Collected 5 5	Soil	ō B	ATE N	H	TPHAZ		L ead	3 =		Remarks 🗐				
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AB-4 (10-11)	4100 X	N I	1		X						Mthe U	vaters	imple-		
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AB-5(4-5)	1:30 X	X	1	[X]	* .						EPAM	*	77		
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AB-5 3-5-49	10:30 X	X	6	\times	X						W/ 87	260,			
AB-2 3-9	10:00 X	人	8	X	X			λ							
AB-1 35-99	8130 X	X	6	7	У										
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24 hour otherday	Relinquished by:		70			Date	1	Time	Received by	: \		Date	Time		
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Type I (Tier I) Other Type III (NJ Red. Del.) Disk Site-specific QC required? Yes (No_ul yes, indicate QC sample	Relinquished by	Commercial	Carrier:						Received by	• 0		, Date	Time		
Type IV (CLP) Yes (No di yes, indicate QC sample and submit triplicate volume.	UPS Fed		ther						TM	adil	les 5/6/99 1030				
Type VI (Raw Data) Internal Chain of Custody wip required? Yes No	Tempera	iture Upon I	Receipt .		4	_ •c			Custod	y Seals Intac					





Acct. #: 9728

__ Sample #: ___

3 105249-70

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Consultant Prj. Mgr. <u>Tom Seed</u>	<u>liger</u> Prj. #: <u>4/</u>	-0115-	<u> 50</u>													j-	T	Т		H=H	ej.	T∉Thiosulf	ate	
Consultant Phone #: <u>(925)606-4</u>	150 Fax#: <u>C72</u>	5)606	.42	<u>60</u>	1			承	Ă													B≔Na©H		
Location Code #: <u>04-334</u>				<u>—</u> [ag Y		jers	+ MTBETS	P. C]										, 5=H.	50,	0 = Other		
PRCA/AFE/Release #: 9800#4	Phase Code:	2,88	<u> </u>				Į.	1	GRODE, DRODE	П			7421									rigi (ayay)		
Site Address: 2492 Castra	Valley BK ast	ت المالية على المالية	CA_		☐ Potable		8	8021	SRO	Z		.	74	7						2.5				
Sampler: <u>Chris</u> Smig	۸					l.	-15 34	8	ရ		İ	ak	ы	00									1 7	
Mobil Engineer: Cherin e	Foutch	·	- 1	₩.			Total Number	Â	8015 MOD	Ğ		Title 22 Metals	7420	7 7					Ĭ.					
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Type I (Tier I) Type III (NJ Red. Del.) Other Site-si Yes (1)	pecific QC required?	Relingu	ished	by C	ommerc	ial C	arrier:			1					Recei	ved by						Date	Time	
	(If yes, indicate QC sar omit triplicate volume.	ups UPS		FedE		Othe								_ -	7	n	1/2	()	١,	IA 2		1/4/99	/050	
Type VI (Raw Data) Intern	al Chain of Custody		Torre	nerst:	iro 1 lno	n Par	raint		4	,	۰C	,		Custody Seals Int						Voc	Yes No N/A			
WIP requir	ed? Yes (No)		Temperature Upon Receipt ← ℃ ¸									,			. (_us(UL	משב עו	אווו כו	ıctí	II Cies, NO IVA				