## **Mobil Oil Corporation**

3800 WEST ALAMEDA AVENUE BURBANK, CALIFORNIA 91505-4331

6000

June 30, 1993

Ms. Juliet Shin
Alameda County Dept. of
Environmental Health
Hazardous Materials Division
80 Swan Way Room 200
Oakland, CA 94621

MOBIL OIL CORP.
FORMER S/S #10-L1X
15884 HESPERIAN BLVD
SAN LORENZO, CA

Dear Ms. Shin:

Enclosed for your information is the quarterly monitoring and sampling report dated June 9, 1993 for subject location. The completed hold harmless and indemnification letter was forwarded to the Public Works on June 23, 1993. Once the encroachment permit is granted, we can schedule the offsite drilling.

If you have any questions, please feel free to contact me at (818) 953-2626.

Sincerely,

5. Pas

Stephen Pao Field Engineer II

enclosure

cc: Mr. Rich Hiett (w/ enclosure)
Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, CA 94612

G. G. Smith (w/o)





## **QUARTERLY MONITORING REPORT**

Sampling Date: May 19, 1993

Former Mobil Service Station No. 10-L1X 15884 Hesperian Blvd. San Lorenzo, California

Prepared for:

### MOBIL OIL CORPORATION

3800 West Alameda Avenue, Suite 2000 Burbank, CA 91505

Prepared by:

## HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

2363 Mariner Square Drive, Suite 243 Alameda, California 94501 HETI Job No. 8-019

June 2, 1993

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A: Monitoring Well Purge/Sample Sheet

B: Official Laboratory Report and Chain-of-Custody Records

#### 1.0 INTRODUCTION

The purpose of this report is to present the results of Hydro-Environmental Technologies, Inc.'s (HETI's) quarterly water sampling for the former Mobil Service Station No. 10-L1X previously located at 15884 Hesperian Boulevard in San Lorenzo, California. Well sampling was performed on May 19, 1993.

Work performed at the site by HETI included: (1) well gauging, (2) well purging, and (3) collection of ground water samples from each of the wells. All documentation related to the field work is appended to this report.

Ground water samples collected from the wells were analyzed for total low to medium boiling point petroleum hydrocarbons (TPHg) by EPA Method 5030/8015, and benzene, toluene, ethylbenzene and total xylenes (BTEX), by EPA Method 8020.

#### 2.0 BACKGROUND

The site is located at 15884 Hesperian Blvd., in San Lorenzo, California (Figure 1), and is currently paved over and used as a parking lot for a shopping mall (Figure 2). Kaprealian Engineering, Inc. (KEI) installed four two-inch diameter monitoring wells, designated MW-1 through MW-4, at the site in July 1986. In preparation to abandon the site, the underground storage tanks were removed and the tank pit was over-excavated in December 1987.

Mobil retained HETI in October 1991 to continue with further subsurface investigation. After HETI's initial site inspection to locate the wells, the following conditions were observed. Monitoring well MW-2 was found in good condition, the casing to MW-3 was broken off and debris had filled in the well, and wells MW-1 and MW-4 could not be located and their existence/condition is unknown.

HETI installed three monitoring wells on-site, designated MW-5, MW-6 and MW-7, and properly abandoned monitoring well MW-3 in January 1992. Monitoring well locations are shown on the Site Plan (Figure 3). Results of that phase of investigation and detailed project history are presented in HETI's *Phase I Report* dated May 7, 1992.

#### 3.0 FIELD ACTIVITIES

All field work performed by HETI is consistent with standard HETI protocols (submitted previously), and with guidelines established by local and state regulatory agencies.

HETI collected ground water samples from monitoring wells MW-2, MW-5, MW-6 and MW-7 on May 19, 1993. Prior to sampling, depth to water in each well was gauged to the nearest hundredth of a foot using an interface probe. No separate-phase petroleum was detected in any of the wells. Prior to sampling, all monitoring wells were purged dry or until three well volumes had been removed. Gauging data is included in Table 1. Purging data is included in Appendix A.

Following recovery of water levels in the wells to at least 80 percent of their static water level, water samples were collected from each well with a dedicated bailer. Each sample was transferred to sample containers appropriate for the analysis to be performed. Sample containers were labeled and placed in a chilled cooler. A chain of custody was prepared and accompanied the samples to the laboratory; a copy is included in Appendix B. Water sample analyses were performed by Sequoia Analytical, a State DHS-certified laboratory located in Redwood City, California.

### 4.0 RESULTS OF MONITORING

#### 4.1 Ground Water Data

The depth to ground water in each of the wells ranged from approximately 11 to 12 feet below grade, according to the well gauging conducted for this investigation. The depth to water data was combined with wellhead elevation data previously collected by HETI to calculate ground water elevations. These elevations were used to produce the ground water contours shown on Figure 4. Ground water flows towards the southwest at a gradient of 0.026 ft/ft (2.6%). Ground water levels in the wells have decreased approximately one foot since the last quarter, and the gradient has increased by nearly one order of magnitude. However, ground water flow direction during this quarter is generally consistent with those calculated previously.

### 4.2 Laboratory Analytical Results

TPHg was detected in the ground water sample collected from well MW-2 at a concentration of 100 parts per billion (ppb). BTEX compounds were not detected in the ground water sample collected from well MW-2 in concentrations exceeding the method detection limit. TPHg and benzene were detected in the ground water sample collected from well MW-7 at concentrations of 67 and 0.85 ppb, respectively. Neither TPHg nor BTEX compounds were detected in concentrations exceeding the method detection limit in ground water samples collected from wells MW-5 and MW-6.

Ground water sample analytical results are summarized in Table 1 and presented graphically on the Hydrocarbon Concentration Map (Figure 5). A copy of the laboratory report is included in Appendix B.

#### 5.0 CERTIFICATION

This report was prepared under the supervision of a registered professional engineer. All statements, conclusions and recommendations are based solely upon field observations and analytical analyses performed by a state-certified laboratory related to work performed by Hydro-Environmental Technologies, Inc.

It is possible that variations in soil or ground water conditions exist beyond the points explored in this investigation. Also, site conditions are subject to change at some time in the future due to variations in rainfall, temperature, regional water usage, or other factors.

The service performed by Hydro-Environmental Technologies, Inc. has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

Hydro-Environmental Technologies, Inc. includes in this report chemical analytical data from a state-certified laboratory. These analyses are performed according to procedures suggested by the U.S. EPA and the State of California. Hydro-Environmental Technologies, Inc. is not responsible for laboratory errors in procedure or result reporting.

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

Prepared by:

Reviewed by:

Brian M. Gwinn Project Manager John H. Turney, P.E. Senior Engineer

## **TABLES**

Table 1
SUMMARY OF GROUND WATER ELEVATIONS AND GROUND WATER ANALYTICAL RESULTS

Former Mobil Station No. 10-L1X 15884 Hesperian Boulevard San Lorenzo, California

MW-No.	Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHd (ppb)	TPHg (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
MW-2	2/12/92	31.81	12.74	19.07		190	4.4	ND<0.3	4.7	3.8
-1	5/4/92	31.81	11.36	20.45		480	9.1	1.4	4.4	2.3
	8/20/92	31.81	13.80	18.01		ND<50	0.99	ND<0.5	ND<0.5	ND<0.5
	11/27/92	31.81	14.30	17.51		56	3.2	ND<0.5	0.87	2.1
	2/24/93	31.81	9.73	22.08		330	14	ND<0.5	ND<0.5	ND<0.5
	5/19/93	31.81	11.82	19.99	-	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MW-5	2/12/92	32.92	13.59			ND<0.3	ND<0.3	ND<0.3	ND<0.3	
***************************************	5/4/92	32.92	12.25	20.67	ND<50	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3
	8/20/92	32.92	14.62	18.30	_	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/27/92	32.92	15.14	17.78		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/24/93	32.92	10.57	22.35		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/19/93	32.92	11.66	21.26		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MW-6	2/12/92	32.68	13.57	19.11		2700	14	3.5	27	39
	5/4/92	32.68	12.23	20.45		ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3
	8/20/92	32.68	14.64	18.04	_	ND<50	ND<0.5	ND<0.5	ND<0.5	3.8
	11/27/92	32.68	15.14	17.54		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/24/93	32.68	10.62	22.06		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/19/93	32.68	11.66	21.02	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MW-7	2/12/92	33.08	13.90	19.18		ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3
	5/4/92	33.08	12.60	20.48		640	4.5	ND<0.6	11	14
	8/20/92	33.08	14.96	18.12		220	1.2	ND<0.5	3.8	4.3
	11/27/92	33.08	15.49	17.59	_	82	1.6	ND<0.5	4.3	3.6
	2/24/93	33.08	10.97	22.11	_	82	1.5	ND<0.5	6.0	4.0
	5/19/93	33.08	12.09	20.99		67	0.85	ND<0.5	6.4	3.8

## Table 1

### Former Mobil Station No. 10-L1X 15884 Hesperian Boulevard San Lorenzo, California

SUMMARY OF GROUND WATER ELEVATIONS AND GROUND WATER ANALYTICAL RESULTS

 MW-No.	Date	TOG (ppm)	HVO (ppb)	SVO (ppb)	PCB (ppb)	Cd (ppm)	Cr (ppm)	Ni (ppm)	Zn (ppm)	O-Pb (ppm)
MW-5	2/12/92 5/4/92	ND<1.0 ND<1.0	ND<0.5-5.0 ND<0.5-5.0	_	<del></del>	ND<0.010 ND<0.010	ND<0.010 ND<0.010	ND<0.050 ND<0.050		ND<0.050 ND<0.050
	8/20/92	ND<1.0	ND<0.5-5.0	ND<2-10	ND<0.5-2.0	ND<0.010	ND<0.010	ND<0.050	0.012	ND<0.050
	11/27/92	-	-		_			_ `		
	2/24/93	-	-						_	
	5/19/93					_	_		-	-

#### Notes:

TOC: Elevation at the north side of the top of the well casing referenced to mean sea level

DTW: Depth to water

GWE: Ground water elevation

TPHd: Total high boiling point petroleum hydrocarbons by EPA Method 3510/8015

TPHg: Total low-to-medium boiling point petroleum hydrocarbons by EPA Method 5030/8015

BTEX: Benzene, Toluene, Ethylbenzene, and total Xylenes by EPA Method 8020

TOG: Total oil and grease by EPA Method 413.2 (I.R.)

HVO: Halogenated volatile organics by EPA Method 5030/8010
SVO Semi-volatile organics by EPA Method 8270 GC/MS
PCB Polychlorinated biphenyls by EPA Method 8080

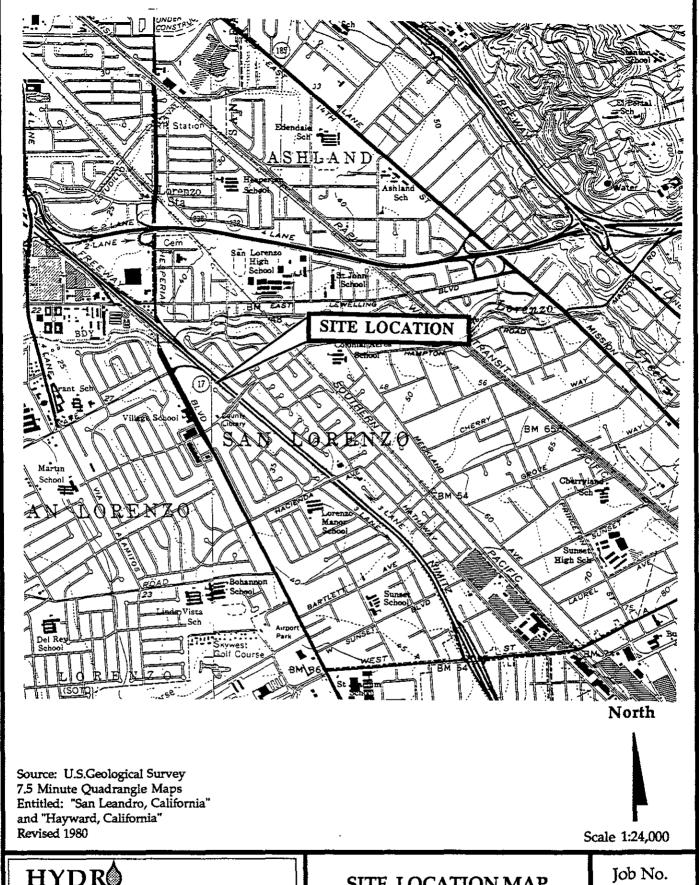
Cd, Cr, Ni, Zn: Cadmium, chromium, nickel and zinc by EPA Method 6000

O-Pb Organic lead by California LUFT Manual (revised)

ND: Not detected in concentrations exceeding the indicated laboratory method detection limit

-: Not tested

## **FIGURES**

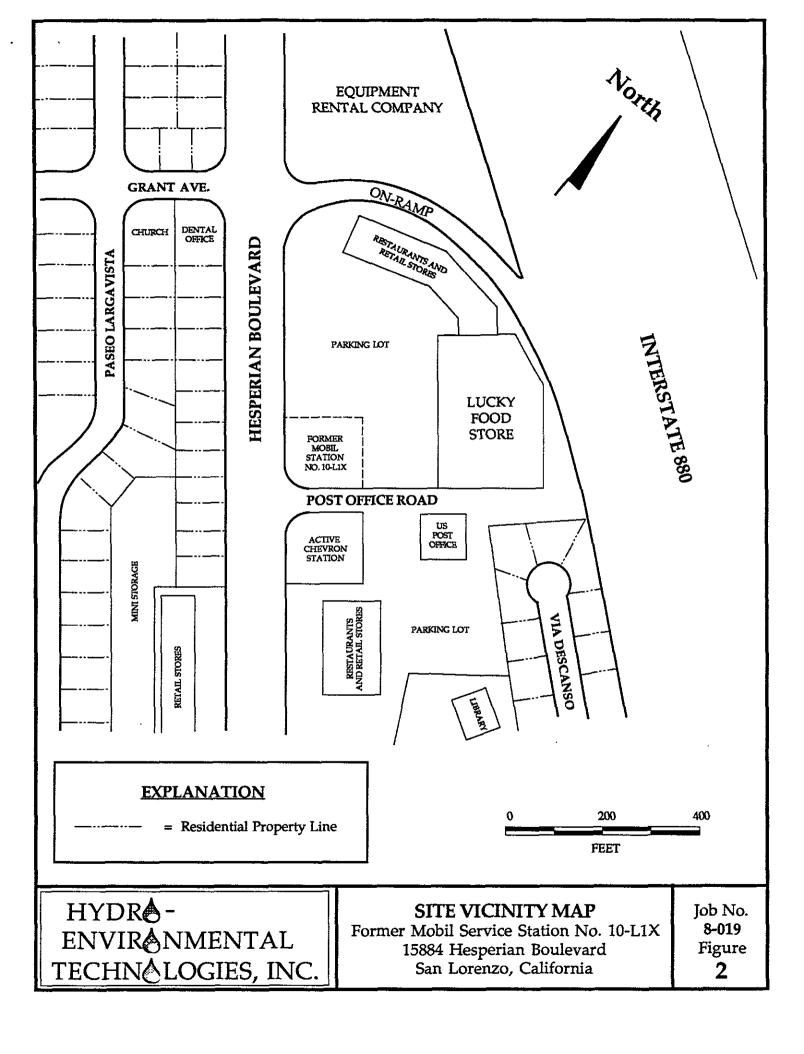


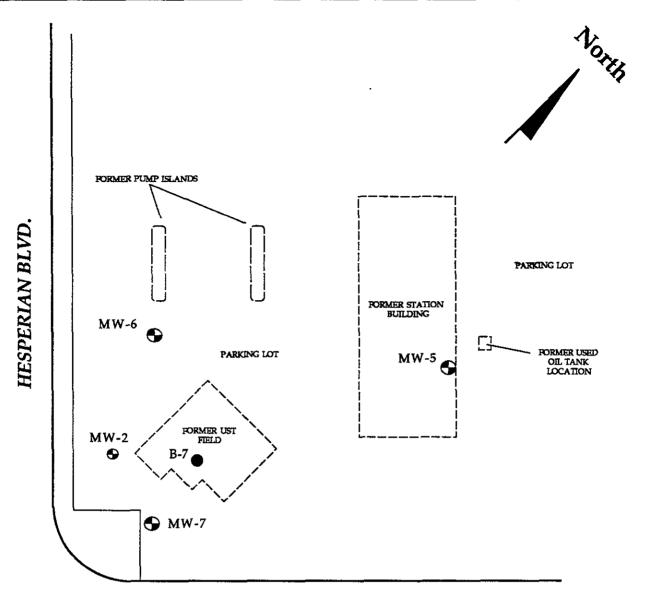
**HYDR ENVIR** MENTAL TECHNOLOGIES, INC.

## SITE LOCATION MAP

Former Mobil Service Station No. 10-L1X 15884 Hesperian Boulevard San Lorenzo, California

8-019 **Figure** 



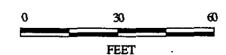


## POST OFFICE ST. (PRIVATE ROAD)

## **EXPLANATION**

- MW-4 = Four-inch well installed by HETI
- ♠ MW-2 = Two-inch well installed by KEI
- B-7 = Soil boring by HETI

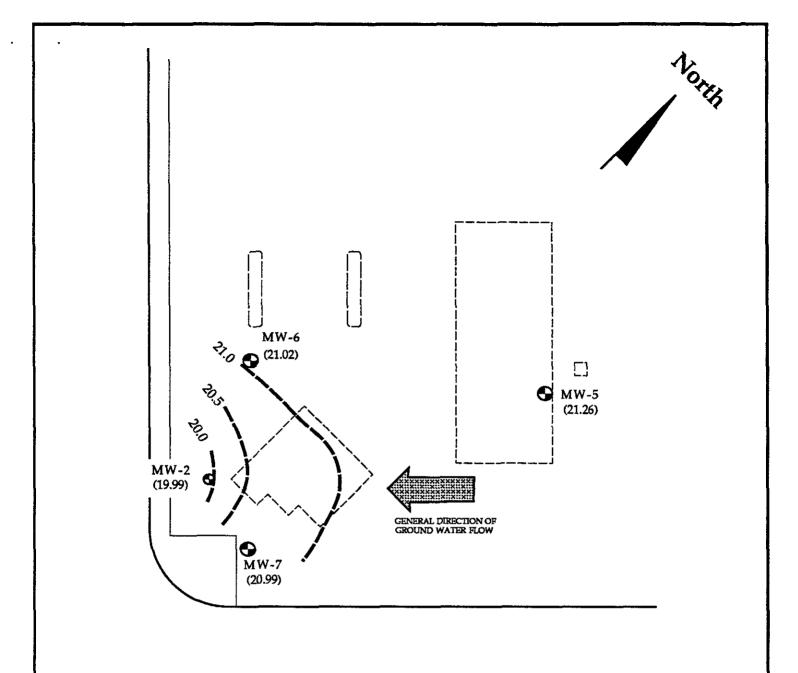
SCALE: 1" = 30'

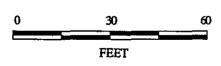


HYDR♠-ENVIR♠NMENTAL TECHN♠LOGIES, INC.

## SITE PLAN

Former Mobil Service Station No. 10-L1X 15884 Hesperian Blvd. San Lorenzo, California Job No. 8-019 Figure 3





**EXPLANATION** 

**♦** MW-4 = Four-inch well installed by HETI

● MW-2 = Two-inch well installed by KEI

(21.26) = Elevation of ground water - in feet based on project datum

21.0

= Estimated ground water elevation contour in feet - based on project datum

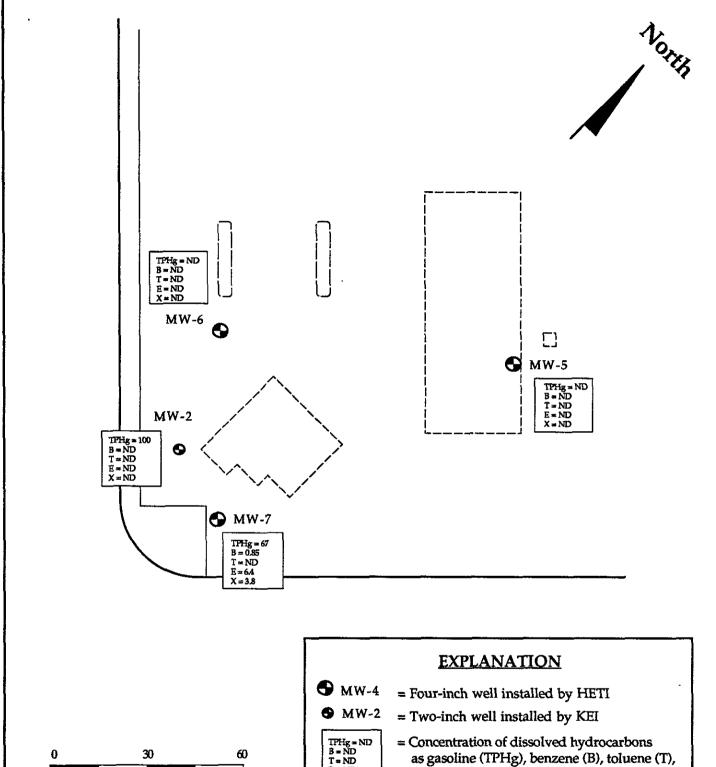
SCALE: 1" = 30

BASED ON DATA COLLECTED 5/19/93

HYDR**&-**ENVIR**&** NMENTAL TECHN**&** LOGIES, INC.

## POTENTIOMETRIC SURFACE MAP

Former Mobil Service Station No. 10-L1X 15884 Hesperian Blvd. San Lorenzo, California Job No. 8-019 Figure 4





BASED ON DATA COLLECTED 5/19/93

E=ND X=ND  Concentration of dissolved hydrocarbons as gasoline (TPHg), benzene (B), toluene (T), ethylbenzene (E), And total xylenes (X), detected in ground water sample - in ppb

SCALE: 1" = 30'

## HYDR**&-**ENVIR**&** NMENTAL TECHN**&** LOGIES, INC.

**FEET** 

## HYDROCARBON CONCENTRATION MAP

Former Mobil Service Station No. 10-L1X 15884 Hesperian Blvd. San Lorenzo, California Job No. **8-019** Figure **5** 

## APPENDIX A

PURGED/S.	AMPLED BY:	HH		DATE:	5-19-0	PURGED/SAMPLED BY: HH DATE: 5-19-93											
	Thickness: * mless chemical parameters stabilize earlier																
PURGING I Purge metho (circle one)	OATA: od:PVC bailer	Submersible pu	mp/ Suction lift	pump/													
	Time	Volume (gallons)	Temp.	Conductivity (mS/cm)	pH												
	2-20	3 5 7	73.5 73.2 73.0		8.30 8.29 8.27												
				·													
	Color:	2000	Turb		gut												
Sample for: (circle)  SAMPLING DATA:  Deficated bailed  Sampling method: Dedicated bailed  Sampling method: Dedicated bailed  Tiph mo Total Pb ED8 8250  601 602 Nitrates 8260 8270  Other:																	
<b>1</b>	R&- IR&NMEI N&LOGII	i i	MONITORING WELL PURGE/SAMPLE SHEET  WELL # MW - Z  LOCATION MOBIL GAN LOCENZO  OF														

PURGED/S.	PURGED/SAMPLED BY: HH DATE: 5-19-93											
Depth to bottom: 22.21 ft.  Depth to water: 11.66ft.  Saturated Thickness: 10.57ft.  Conversion  GalkGINGDATA:  Conversion  Well casing volume 6.66 gallons  # volumes to purge x vols.  Total volume to purge = 20.6 gallons  *Total volume to purge = 20.6 gallons  *mless chemical parameters stabilize earlier*												
PURGING I	OATA: od:PVC bailer	Submersible pu	mp/ Suction lift	pump/								
	Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pН							
	12,10	0			~							
		5	73.6	-	8.06							
		7	75,5		774							
<b>1</b>	7 12:28	70	73.2	-	7.7							
ary	12.28		1		7							
				·								
	·					<u> </u>						
				<u> </u>								
	Color:	200	_	idity: \\	7							
	Recharge:	1001	SPP_	/								
SAMPLIN	G DATA:		. ,	Sam	ple for (circle)	no						
Sampling	method: Dedic	ated bailer/_		IPH4	O-Po TEL 8	720 260						
				60t Others	602 Nitrates 8	260 8270						
TIVE	DA.		MONITORIN	G WELL PURGE/SA	MPLE SHEET	Job No.						
HYD	IR <b>O</b> NMEI	JTAT.		WELL # MW~	5	9-019 SHEET						
<b>1</b>	N&LOGI	11	LOCATION_	Mobil, Ga	n Locenzo	of						

PURGED/SAMPLED BY: HH DATE: 5-19-93											
Depth to bot											
PURGING I Purge metho (circle one)	OATA: od:PVC bailer	Submersible pu	mp/ Suction lift	pump/		en volta					
	Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pН						
AH	Color:	10 19 20 21	75.2 74.8 74.0 74.0 74.0	7							
Sample for: (circle)  Sample for: (circle)  THE STALLS TOC. SOLD  THE C.P. THE STALL  Sampling method: Dedicated bailer  THE C.P. THE STALL  THE STALL  THE STALL  THE STALL STA											
<b>4</b> L	R <b>Ó-</b> IRÓNMEI NÓLOGII	11	MONITORIN	GWELL PURGE/SA WELL # MW ~ [ MO6]  Ga	MPLE SHEET	Job No. D-DIG SHEET					

٠,

PURGED/S	AMPLED BY: _	HH		DATE:	5-19-0	13				
Conversion  Depth to bottom: 27. 1 ft.  Depth to water: 2.6 ft.  Conversion  diam. gals/ft.  2 in. x 0.16  4 in. x 0.65  6 in. x 1.44  *unless chemical parameters stabilize earlier										
PURGING I Purge methol (circle one)	OATA: od: PVC bailer	Submersible pu	mp/ Suction lift	pump/	·.					
	Time	Volume (gallons)	Temp. (°F)	Conductivity (mS/cm)	pН					
	1:30	Ø								
	(	. 5	47.9		9.18					
		10	73.6		9.09					
	<del></del>	15	23.4		9.03	·				
dryz	1:55	70	7-5.1		8.95					
						- American				
The second secon		<u> </u>		. ,		4,'··				
	Color:	197	Turb	idity: \\S	4	<b>-1</b>				
	Recharge:		. SPP_	ft.						
Sample for: (circle)  Sample for: (circle)  THE OPS TEL 8021  Sampling method: Dedicated bailer  THIRD Total FO EDS 8260  Other:  Other:										
	R <b>&amp;-</b> IR <b>&amp;</b> NMEI N&LOGII			GWELL PURGESA WELL # MW ~ MObil, Ga	7	Job No. D-DIQ SHEET				

## APPENDIX B

Hydro Environmental

2363 Mariner Square Dr., Bidg. 3, Ste 243

Alameda, CA 94501

Attention: Brian Gwinn

Client Project ID:

Sample Matrix:

Analysis Method: First Sample #:

Mobil, 10-LIX

Water EPA 5030/8015/8020

3E95001

Sampled:

May 19, 1993

Received: Reported:

May 21, 1993 May 27, 1993

### TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit μg/L	Sample I.D. 3E95001 MW-2	Sample I.D. 3E95002 MW-5	Sample I.D. 3E95003 MW-6	Sample 1.D. 3E95004 MW-7	Sample 1.D.	Sample I.D.
Purgeable Hydrocarbons	50	100	N.D.	N.D.	67		
Benzene	0.50	N.D.	N.D.	N.D.	0.85		
Toluene	0.50	N.D.	N.D.	N.D.	N.D.		
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	6.4		
Total Xylenes	0.50	N.D.	N.D.	N.D.	3.8		
Chromatogram Pattern:		Discrete Peaks	<del></del>		Gas		

**Quality Control Data** 

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0
Date Analyzed:	5/25/93	5/25/93	5/25/93	5/25/93
Instrument Identification:	GCHP-3	GCHP-3	GCHP-3	GCHP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	100	90	103	101

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard. Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Maile A. Springer Project Manager

3E95001.HEN <1>



Hvdro Environmental

Client Project ID: Mobil, 10-LIX

2363 Mariner Square Dr., Bldg. 3, Ste 243

Matrix:

Water

Alameda, CA 94501

Attention: Brian Gwinn

QC Sample Group: 3E95004

Reported: May 27, 1993

### **QUALITY CONTROL DATA REPORT**

ANIAI VITE			Ethod	<u> </u>
ANALYTE	Benzene	Toluene	Ethyl- Benzene	Xylenes
	Delicelle	loidelle	Deireile	Ayleries
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	M.Nipp	M.Nipp	M.Nipp	M.Nipp
Conc. Spiked:	10	10	10	30
Units:	μg/L	μg/L	μg/L	μg/L
LCS Batch#:	GBLK052593	GBLK052593	GBLK052593	GBLK052593
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	5/25/93	5/25/93	5/25/93	5/25/93
Instrument i.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
LCS %				
Recovery:	97	86	86	87
Control Limits:	80-120	80-120	80-120	80-120
MS/MSD				
Batch #:	G3E83901	G3E83901	G3E83901	G3E83901
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	5/25/93	5/25/93	5/25/93	5/25/93
Instrument I.D.#:	GCHP-2	GCHP-2	GCHP-2	GCHP-2
Matrix Spike				
% Recovery:	96	96	96	93
Matrix Spike				
Duplicate %				
Recovery:	98	97	97	97
Relative %				
Difference:	2.1	1.0	1.0	4.2

#### **SEQUOIA ANALYTICAL**

Maile A. Springer Project Manager Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.



Hydro Environmental

Client Project ID: Mobil, 10-LIX

2363 Mariner Square Dr., Bldg. 3, Ste 243

Matrix:

Water

Alameda, CA 94501

Attention: Brian Gwinn

QC Sample Group: 3E95001 - 03

Reported: May 27, 1993

### QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-	
ANALITE	Benzene	Toluene	Benzene	Xylenes
		<del></del>		<u> </u>
BB a she a she		FD4 0040	E71 0000	ED. 4000
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	M.Nipp	M.Nipp	M.Nipp	M.Nipp
Conc. Spiked:	10	10	10	30
Units:	μg/L	μg/L	μg/L	μg/L
LCS Batch#:	GBLK052593	GBLK052593	GBLK052593	GBLK052593
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	5/25/93	5/25/93	5/25/93	5/25/93
Instrument I.D.#:	GCHP-3	GCHP-3	GCHP-3	GCHP-3
mod different fibiar.	Q0/11 -Q	GOI G	<b>G</b> G <b>V</b>	<b>40 6</b>
LCS %				
Recovery:	100	100	110	103
Control Limits:	80-120	80-120	80-120	80-120
MS/MSD				
Batch #:	G3E83901	G3E83901	G3E83901	G3E83901
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	5/25/93	5/25/93	5/25/93	5/25/93
Instrument I.D.#:	• •	GCHP-3	GCHP-3	GCHP-3
instrument i.D.#:	GCHP-3	GCRP-3	GCHP-3	GCHF-3
Matrix Spike				
% Recovery:	100	100	100	100
Matrix Cuite				
Matrix Spike				
Duplicate %		400	440	400
Recovery:	100	100	110	103
Relative %				
Difference:	0.0	0.0	9.5	3.3

#### SEQUOIA ANALYTICAL

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery data is used for validation of sample batch results. Due to matrix effects, the QC limits for MS/MSD's are advisory only and are not used to accept or reject batch results.

Malfe A. Springer Project Manager

3E95001.HEN <3>

# **Mobil Chain of Custody**



Concord:
Sacramento:

(510) 686-9600 (916) 921-9600

Consulting Firm Na	Consulling Firm Name: Hydro-Environmental Tech Inc						Site SS #: 10 - 41X					
Address: 2367	Mariner	Syvare	Dr.		Mobil S	ite Addre	ss: 158	84 H	speria	n Bly	المالية	A. Emrg. Response  B. Site Assessment
City: Alame	eda sia	ue: CA	Zip	Code: 9450	Mobil Site Address: 15884 Hesperian Blud. San Lorenzo, CA  Mobil Engineer: Steve Vac						a	C. Remediation
Telephone: (510	1521-26	84	FAX #: (5)	U)5211-507	6 Consul	lant Proje	ct #:	<del>6-</del>	010	<u>(                                     </u>	<u> </u>	D. Monitoring
								lease #:	<u></u>			E. OGC/Claims
Project Contact: Bright Sampled by: Heary Hurth Sequoia's Work Order Release #: DE. OGC/Claims  Turnaround Time: Standard TAT (5 - 10 Working Days)  Client Sampled Description Containers Sample # Comments												
Cllent Sample I.D.	Date/Time Sampled	Matrix Description	# of Containers	Sequola's Sample #	/3 <sup>3</sup> /		3/2/2/3	NA CONTRACTOR OF THE PARTY OF T			_	Comments
1. MW-Z	5-19-93 20-			61 9301910	Χ							
2. MW-5				02	1	<u> </u>						
3. MW-6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	사람들 (1) - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		03			1.74.394;					
4. MW-7	V		V	09	$\sqrt{}$		a Xeray					
5.						-	3 25 47					s
6.	Asia San	100 M						<b>7</b> 54		4	\$\$0.≉	
7								- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	***	<u> </u>		
8.	77 TV 1944		:				N. O.	1.	''   	1 44.44	100.0	- W. 1968
9.						<u> </u>	<b></b>					
10.	.,		<u></u>			<u> </u>						
Relinquished By: (	Chyth	h	Date: 5-19	43 Time: 40	O Rece	ived By:	E.		3	Date: S		Time: 4:00
Relinquished By:	F56	5		1993 Time: 11 4		ived By:		· Vo	7/1	Date: <	1//	Time: //45
Relinguished By	Si Va		Date: 5/2	1/93 Time: 140	Reco	elved By:	Collen	your.	1/4	Date:	5/21/93	Time: 1400 Page <u>↓</u> of
Method of Shipment_	las cour	cer				,						, ago <u></u> oi