HYDR® ENVIRONMENTAL TECHNOLOGIES, INC. 2363 Mariner Square Drive Stute 243 Alameda, California 94501 Tel 510 521 2684 Fax 510 521 5078

1 800 047 HETI Massachusetts New York

October 17, 1994

Reviewed on 11/29/94+

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all wells Fogo on

AMR will be you

2:23 1 91995.

Ms. Juliet Shin Alameda County Department of Environmental Health Hazardous Materials Division 1131 Harbor Bay Parkway Alameda, CA 94502

Re: Former Mobil S/S No. 10-L1X, 15884 Hesperian Boulevard, San Lorenzo, CA

Dear Mr. Shin:

Enclosed please find one copy of Hydro-Environmental Technologies, Inc.'s (HETI's) Quarterly Monitoring Report for sampling conducted on August 24, 1994 at the above-referenced site.

If you have any questions or require additional information, please feel free to call me at (510) 521-2684.

Sincerely,

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

Scott D. Kellstedt Operations Manager

enclosure

cc: Ms. Michele Fear - Mobil Oil Corporation, Fairfax, VA (w/o enclosure)



QUARTERLY MONITORING REPORT

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

Sampling Date: August 24, 1994

Prepared for:

MOBIL OIL CORPORATION 3225 Gallows Rd., Rm 2M211 Fairfax, VA 22037

Prepared by:

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

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

October 17, 1994



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1.0 INTRODUCTION

This report presents the results of quarterly ground water sampling conducted by Hydro-Environmental Technologies, Inc. (HETI) at former Mobil Service Station No. 10-L1X, located at 15884 Hesperian Boulevard in San Lorenzo, California. A site location map is attached as Figure 1. Ground water sampling was performed on August 24, 1994.

Work performed at the site by HETI included: (1) well gauging, (2) well purging, (3) collection of ground water samples from one of five monitoring wells at the site and (4) analysis of water samples for total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 8015 (modified), and benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8020 (modified).

2.0 BACKGROUND

The site was previously a Mobil gasoline service station located at the northern corner of the intersection of Hesperian Boulevard and Post Office Street in San Lorenzo, California. It is presently a paved parking lot for a shopping mall. Figure 2 shows the vicinity of the site, and Figure 3 shows the layout of the site and the location of existing monitoring wells.

In July 1986, Kaprealian Engineering, Inc. (KEI) installed four two-inch diameter monitoring wells (MW-1 through MW-4) on-site. In December 1987, in preparation to abandon the site, the underground storage tanks were removed and the tank pit was over-excavated.

In October 1991, HETI continued 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 the well, and wells MW-1 and MW-4 could not be located and their existence/condition is unknown.

In January 1992, HETI installed three monitoring wells on-site (MW-5, MW-6 and MW-7) and properly abandoned monitoring well MW-3. Results of that phase of the investigation and a detailed project history were presented in HETI's *Phase I Report* dated May 7, 1992.

In August 1993, HETI installed one additional downgradient monitoring well (MW-8), off-site on the southwestern side of Hesperian Boulevard. Results of that phase of the investigation were presented in HETI's *Phase II Subsurface*



Investigation and Quarterly Monitoring Report dated September 16, 1993. All monitoring well locations are shown on the Site Plan (Figure 3).

A revised sampling program has been approved by the Alameda County Department of Environmental Health (ACDEH) and has been implemented at this site. Wells MW-2, MW-5, MW-6 and MW-8 are sampled on a semi-annual basis. Since these wells were sampled in May, 1994 they will be sampled next in November, 1994. Well MW-7 is sampled quarterly.

3.0 FIELD ACTIVITIES

HETI personnel collected ground water samples from MW-7, one of the five monitoring wells at the site, on August 24, 1994. All sampling was performed according to HETI standard protocol, using methods which are consistent with guidelines established by the lead regulatory agencies. A copy of HETI's Ground Water Sampling Protocol has previously been submitted to the ACDEH.

Prior to purging MW-7, the depth to water in each of the five wells was gauged to the nearest hundredth of a foot using an electronic water sounder. Prior to sampling monitoring well MW-7, three well casing volumes were purged while the parameters of temperature, pH and conductivity were monitored for stabilization. Purging data is included in Appendix A.

Following recovery of the water level in the well to at least 80 percent of its static level, ground water samples were collected with dedicated bailer. The samples were transferred to sample containers provided by the analytical laboratory. Sample containers were documented, labeled and placed in a cooler. A chain of custody was prepared and accompanied the samples to the laboratory; a copy is included in Appendix B. Ground water sample analysis was performed by Sequoia Analytical, a state DHS-certified laboratory located in Redwood City, California.

4.0 RESULTS

4.1 Ground Water Data

On August 24, 1994, depth to ground water in the wells ranged between 12.71 to 13.98 feet below grade. Depth to water measurements and calculated ground water elevations in the wells are presented on Table 1. The depth to water measurements and the wellhead elevation data were used to calculate ground water elevation contours. These contours are shown on Figure 4, the Ground Water Contour Map.



Figure 4 shows ground water flow to be towards the southwest at an approximate gradient of 0.0026 (0.26%).

4.2 Laboratory Analytical Results

TPHg and benzene were detected in the ground water sample collected from well MW-7 at concentrations of 77 parts per billion (ppb) and 0.57 ppb, respectively. Analytical results are presented graphically on Figure 5, the Hydrocarbon Concentration Map. A summary of ground water analytical results is presented on Table 1. Copies of the laboratory report and the chain-of-custody form are attached in Appendix B.

5.0 SUMMARY

The results of the field activities and laboratory analyses of ground water samples collected during this sampling round are discussed below:

- Ground water elevations measured in all the wells ranged from 12.71 to 13.98 feet below grade. The ground water gradient was calculated to be approximately 0.0026 in a general southwesterly direction beneath the site.
- Separate phase petroleum was not detected in any of the monitoring wells.
- TPHg and benzene were detected in the ground water sample collected from well MW-7 at concentrations of 77 ppb and 0.57 ppb, respectively.

6.0 RECOMMENDATIONS

Due to the relatively low dissolved hydrocarbon concentrations detected in the monitoring wells at this site, HETI recommends that all wells be sampled on a bi-annual (twice-yearly) basis. HETI will implement this revised monitoring schedule, beginning with the February, 1995 sampling event, unless directed otherwise by the ACDEH.



2363 Mariner Square Drive, Suite 243 Alameda, California 94504 To³ 510 521 2684 Fax 510 521 5078

1 800 347 HETI Massacausetts New York

7.0 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:

Hoa Trinh, E.I.T. Staff Engineer

Reviewed by:

Scott Kellstedt

Regional Operations Manager

Reviewed by:

John Turney P.E.

Senior Engineer

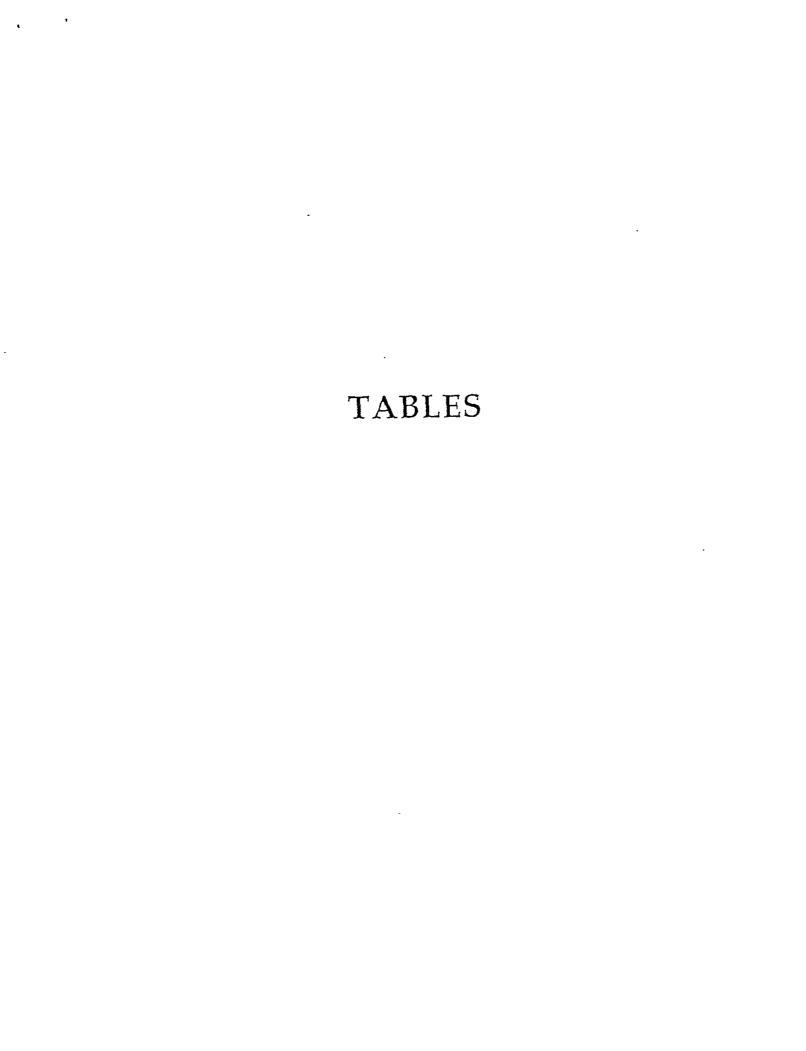


Table 1

GROUND WATER ELEVATIONS AND ANALYTICAL RESULTS

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

				San I	Lorenzo, Cali	fornia				
MW-No.	Date	TOC	DTW	GWE	TPHd	TPHg	В	T	E	X
		(feet)	(feet)	(feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
										
MW-2	2/12/92	31.81	12.74	19.07	NT	190	4.4	ND<0.3	4.7	3.8
	5/4/92	31.81	11.36	20.45	NT	480	9.1	1.4	4.4	2.3
	8/20/92	31.81	13.80	18.01	NT	ND<50	0.99	ND<0.5	ND<0.5	ND<0.5
	11/27/92	31.81	14.30	17.51	NT	56	3.2	ND<0.5	0.87	2.1
	2/24/93	31.81	9.73	22.08	NT	330	14	ND<0.5	ND<0.5	ND<0.5
	5/19/93	31.81	11.82	19.99	NT	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/19/93	31.81	12.27	19.54	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/19/93	31.81	12.91	18.90	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/18/94*	31.81	10.30	21.51	NT	ND<50 °	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/24/94	31.81	11.25	20.56	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/24/94	31.81	12.77	19.04	NT	NT	NT	NT	NT	NT
MW-5	2/12/92	32.92	13.59	19.33	ND<50	0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
14144-2	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	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/27/92	32.92	15.14	17.78	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/24/93	32.92	10.57	22.35	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/19/93	32.92	11.66	21.26	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/19/93	32.92	13.01	19.91	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
		32.92	13.69	19.23	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/19/93	32.92 32.92	11.10	21.82	NT	NT	NT NT	NDC0.5	NDC0.5	NT NT
	2/18/94*						ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/24/94	32.92	12.03	20.89	NT	ND<50	NDC0.5	NT	NT NT	NDC0.5
	8/24/94	32.92	13.59	19.33	NT	NT	NI	IN I	NI	141
MW-6	2/12/92	32.68	13.57	19.11	NT	2700	14	3.5	27	39
	5/4/92	32.68	12.23	20.45	NT	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3
	8/20/92	32.68	14.64	18.04	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	3.8

Table 1
GROUND WATER ELEVATIONS AND ANALYTICAL RESULTS

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

MW-No.	Date	TOC	DTW	GWE	TPHd	TPHg	В	T	E	X
		(feet)	(feet)	(feet)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
MW-6	11/27/92	32.68	15.14	17.54	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/24/93	32.68	10.62	22.06	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/19/93	32.68	11.66	21.02	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/19/93	32.68	13.06	19.62	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/19/93	32.68	13.73	18.95	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/18/94*	32.68	11.20	21.48	NT	NT	NT	NT	NT	NT
	5/24/94	32.68	12.11	20.57	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/24/94	32.68	13.60	19.08	NT	NT	NT	NT	NT	NT
MW-7	2/12/92	33.08	13.90	19.18	NT	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3
	5/4/92	33.08	12.60	20.48	NT	, 640	4.5	ND<0.6	11	14
	8/20/92	33.08	14.96	18.12	NT	220	1.2	ND<0.5	3.8	4.3
	11/27/92	33.08	15.49	17.59	NT	<i>⊭</i> 82	1.6	ND<0.5	4.3	3.6
	2/24/93	33.08	10.97	22.11	NT	82	1.5	ND<0.5	.6.0	4.0
	5/19/93	33.08	12.09	20.99	NT	67	0.85	ND<0.5	6.4	3.8
	8/19/93	33.08	13.48	19.60	NT	88	1.7	ND<0.5	9.0	4.8
	11/19/93	33.08	14.10	18.98	NT	50	ND<0.5	ND<0.5	1.5	ND<0.5
	2/18/94*	33.08	11.55	21.53	NT	61	1.2	ND<0.5	8.0	3.2
	5/24/94	33.08	12.48	20.60	NT	83	0.95	ND<0.5	10.0	4
	8/24/94	33.08	13.98	19.10	NT	77 ,	0.57	ND<0.5	6.9	2.8
						700 PPb	2000			
MW-8	8/19/93	31.31	12.21	19.10	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/19/93	31.31	12.84	18.47	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/18/94*	31.31	10.41	20.90	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/24/94	31.31	11.21	20.10	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/24/94	31.31	12.71	18.60	NT	NT	NT	NT	NT	NT

Table 1

GROUND WATER ELEVATIONS AND ANALYTICAL RESULTS

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

MW-No.	Date	TOG (ppm)	HVO (ppb)	SVO (ppb)	PCB (ppb)	Cd (ppm)	Cr (ppm)	Ni (ppm)	Zn (ppm)	O-Pb (ppm)
MW-5	5/4/92	ND<1.0	ND<0.5-5.0 ND<0.5-5.0 ND<0.5-5.0	NT NT ND<2-10	NT	ND<0.010	ND<0.010 ND<0.010 ND<0.010	ND<0.050	ND<0.010	

Notes:

MW No.: Monitoring well number

Date: Ground water sample collection date

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

DTW: Depth to water

GWE: Ground water elevation

TPHd: Total petroleum hydrocarbons as diesel by EPA Method 8015
TPHg: Total petroleum hydrocarbons as gasoline by EPA Method 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 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

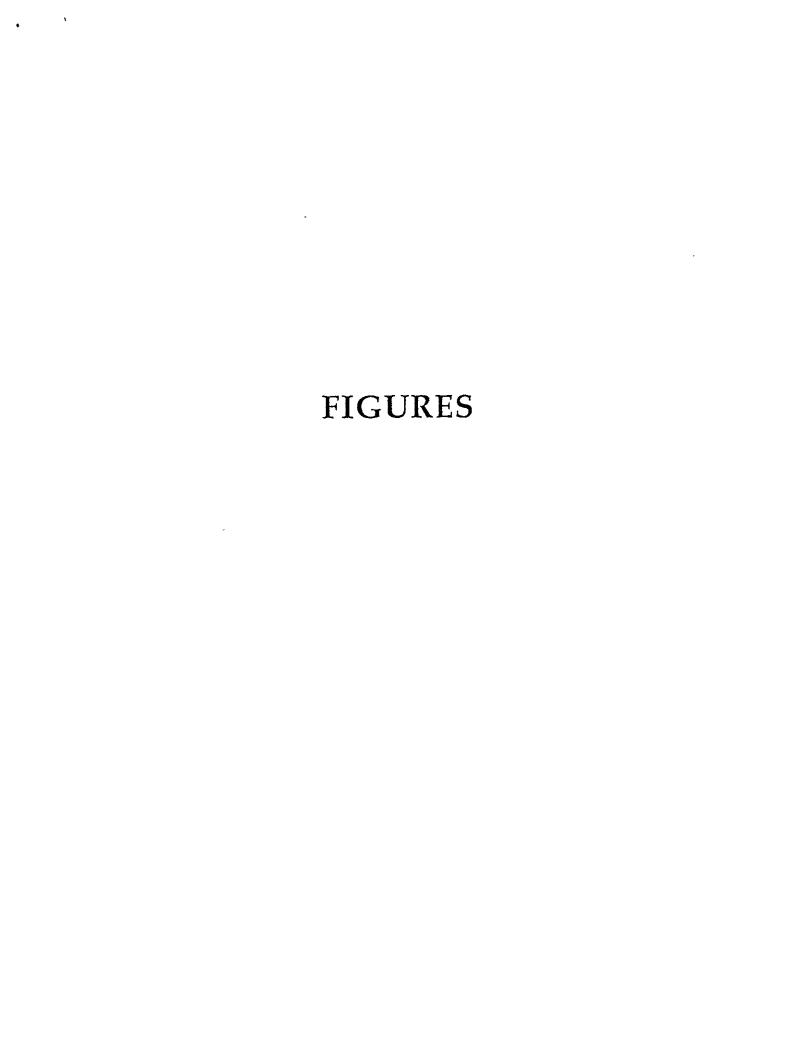
O-Pb Organic lead by California LUFT Manual (revised)

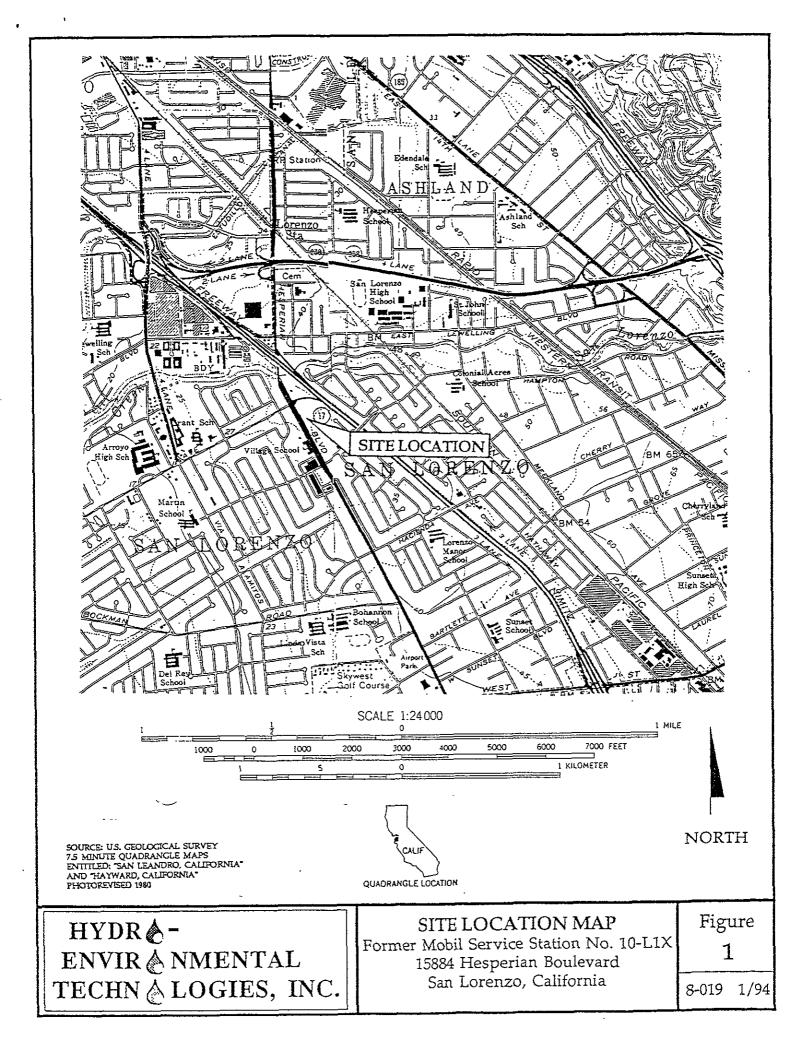
ppb: Parts per billion (μg/L)ppm: Parts per million (mg/L)

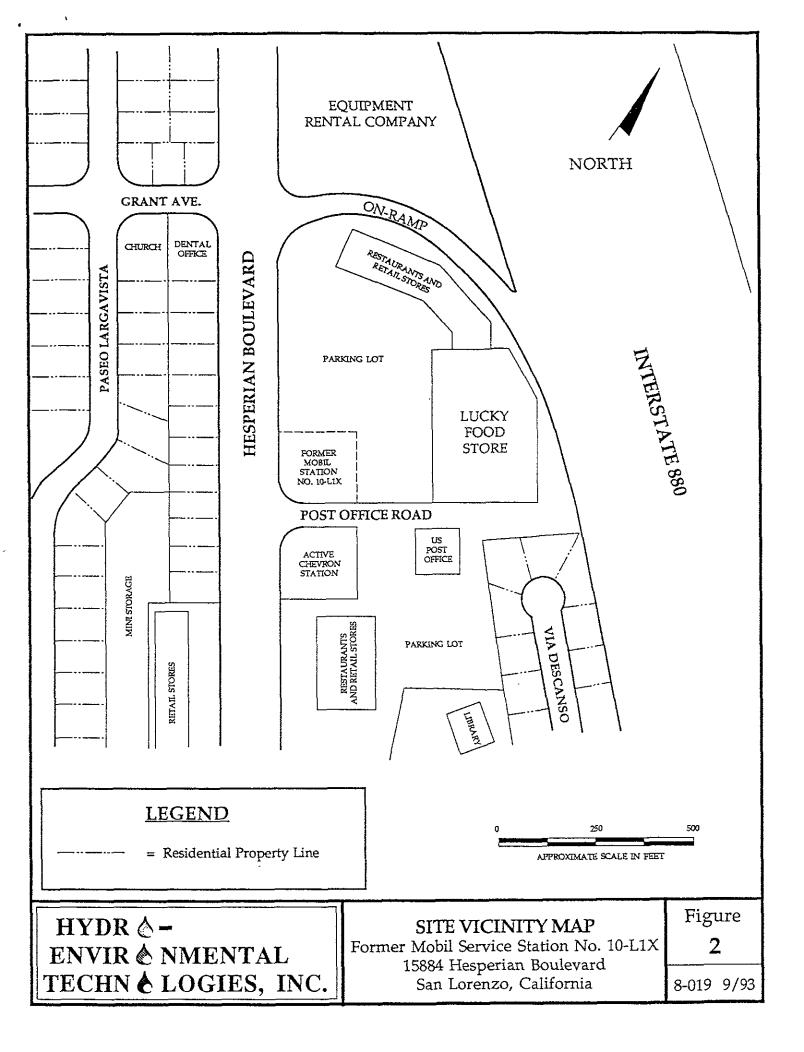
ND: Not detected in concentrations exceeding the indicated laboratory method detection limit

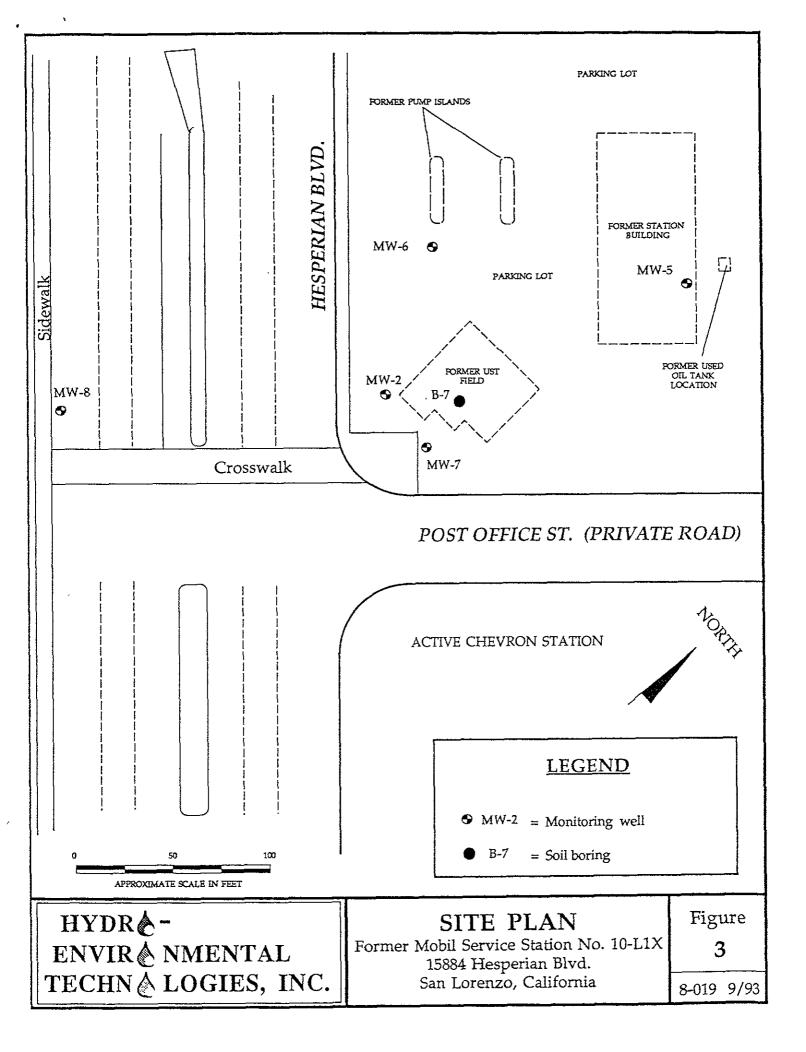
NT: Not tested

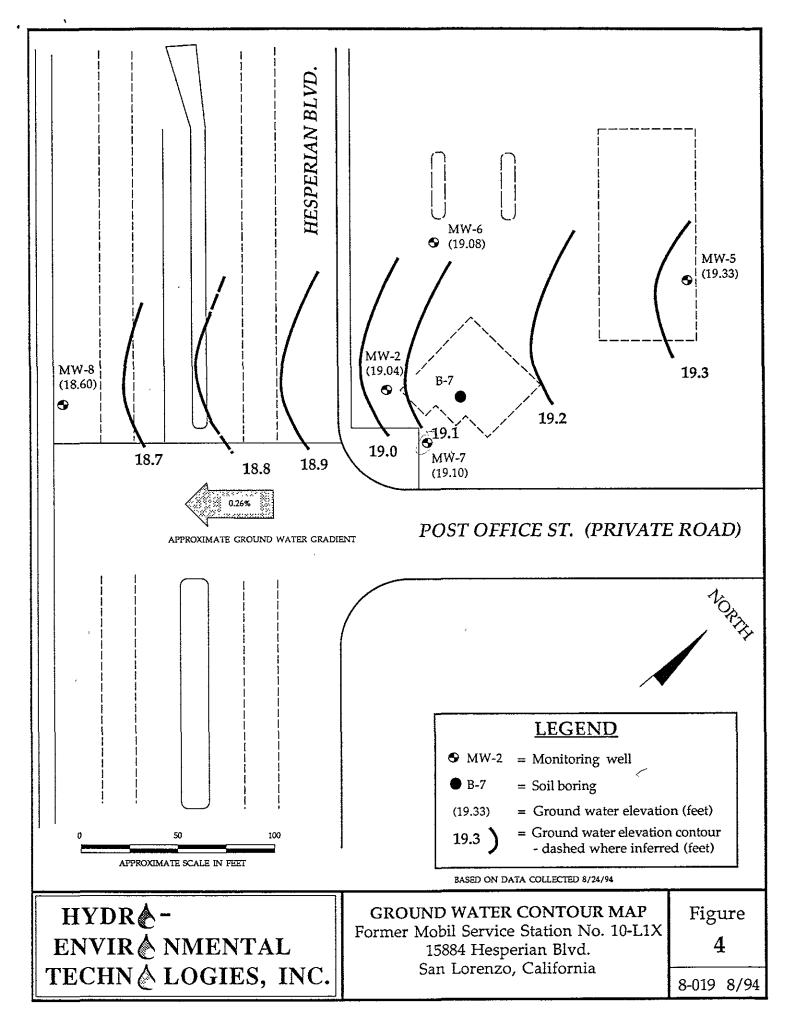
* Wells gauged on 2/24/94

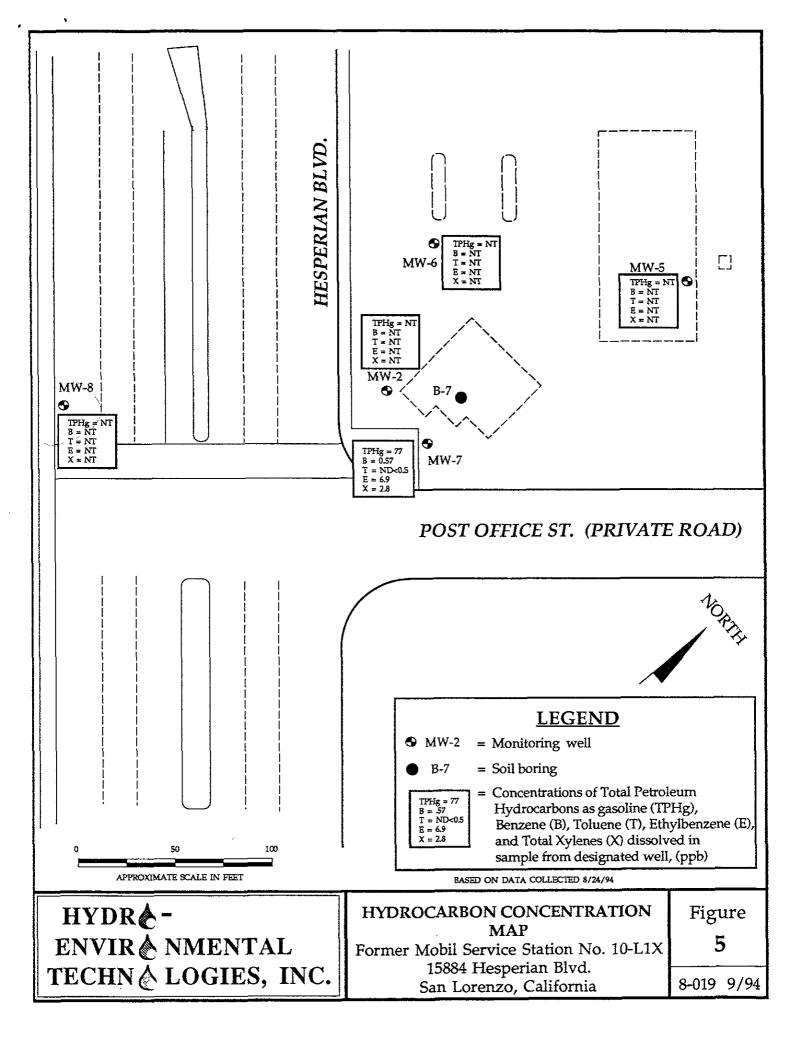


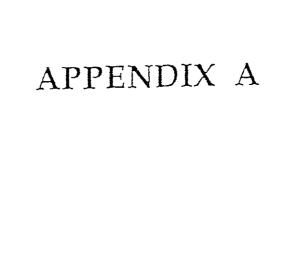












purged/san	MPLED BY: _	Hoa Trinh	1	DATE	8/24/9	4	
GAUGING DATA Depth to botto Depth to water Saturated Thickness:	r: <u>12.77</u>	ft. diam. ft. 2 in. 4 in. 6 in.		Well casing volun # volumes to purge *Total volume to pu * unless chemical para	e x 3	vols. _ gallons	
	PVC bailer) Solutivity/pH Institute Time Color:	Volume (gallons)	Temp. (°C) FLED 7	Conductivity (mS/cm) His QUAN	PH	cle one)	
-	Sample for: (circle) SAMPLING DATA: TPHg/BTEX METALS TOG 8010 TPHd O-Pb TEL 8020 Sampling method: Dedicated bailer Disposable bailer TPH ITO Total Pb EDB 8240 601 607 Nitrates 8260 Other:						
HYDR (ENVIR (TECHN (NMEN		PURGE/SAMPLE DATA SHEET WELL # MW- 2- SHEET LOCATION: Former Mobil Station, San Lorenzo 1 of				

PURGED/SAM	PLED BY:	Hoa Trinh	1	DATE	: 8/24/94	:	
GAUGING DATA: Depth to bottom Depth to water: Saturated Thickness:	1: 22.15	ft. diam. ft. 2 in. 4 in. 6 in.	x 0.16 x 0.65	Well casing volum # volumes to purge *Total volume to pu * unless chemical para	x 3 v	ols. gallons	
_	PVC bailer): tivity/pH Ir Time Color:	Volume (gallons)	Temp. (°C) Turb	Conductivity (mS/cm)	pH PTER	e one)	
Sample for: (circle) TPHg/BTEX METALS TOG 8010 TPHd O-Pb TEL 8020 Sampling method Dedicated bailer Disposable bailer TPH mo Total Pb EDB 8240 601 602 Nitrates 8260 Other:							
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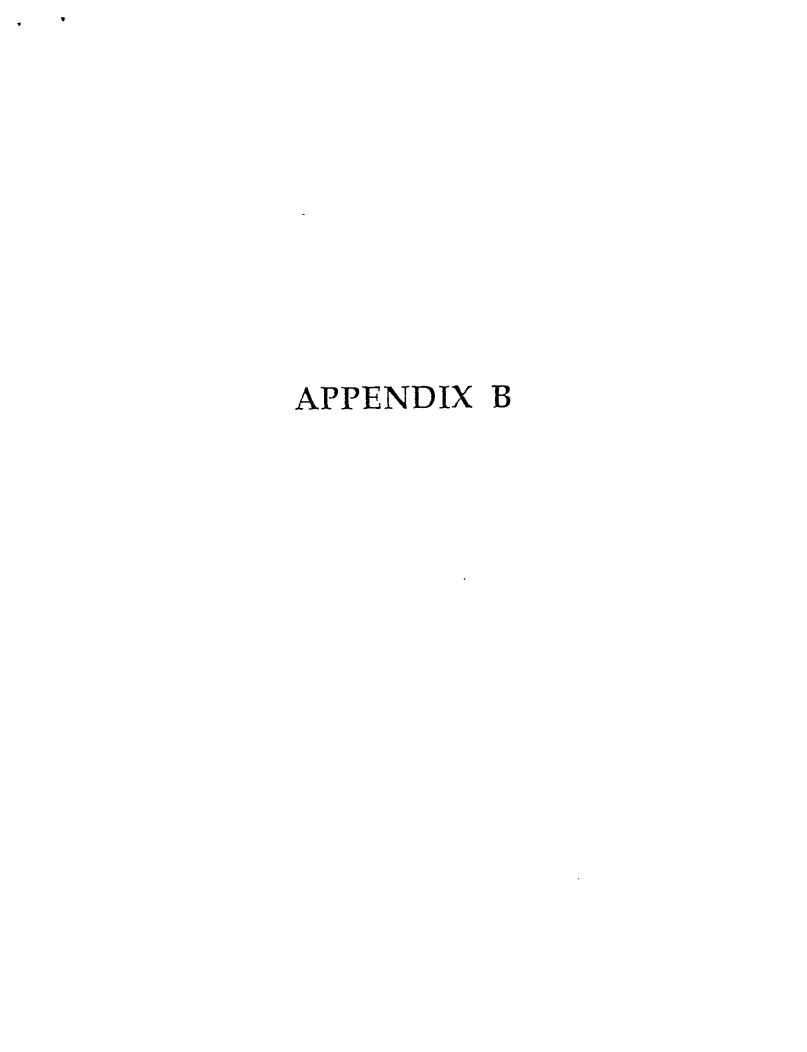
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	TA: PVC bailer Subructivity/pH Instru			ft pump/	(circ	ele one)	
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_							
_	Color:	· · · · · · · · · · · · · · · · · · ·	Tur	bidity:			
	Recharge:		SPP	ft. Shee	en		
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1	♦ NMENT ♦ LOGIES	i	WELL # MW- 6 SHEET LOCATION: Former Mobil Station, San Lorenzo 1 of 1				

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PURGED/SAMPLED BY: _	Hoa Trinl	1	DATE	8/24/94	1
GAUGING DATA: Depth to bottom: 24.25 Depth to water: 13.98 Saturated 10.27 ft.	ft. <u>diam.</u> ft. 2 in. 4 in.	× 0.16	Well casing volume		
PURGING DATA: Purge method: PVC bailer) S Temp/Conductivity/pH In-	strument:				le one)
Time	Volume (gallons)	Temp. (°C)	Conductivity (mS/cm)	pН	
1300	0				
	5	80.6	1,19	7.6	
	10	77,52	1.1/	6-9	
	15	77.2	1.12	6.9	
1330	20.5	75.4	1.09	6.6	
			1		
Color:	u clear	Turb	idity: <u>law</u>		
Recharge: _	fair	SPP_	ft. She	en	
SAMPLING DATA:			S TPHg/ TPHd		
Sampling method Dedicate	ed bailer Dispo	sable bailer	TPH m 601 Other:	o Total Pb EU	08 8240 brates 8260
HADD y -		PU	RGE/SAMPLE DATA	SHEET	Job No.
HYDR & - ENVIR ♠ NMEN	ΤΔΙ	WEL	L#MW-7		8-019
TECHN & LOGIE	i i		N: Former Mobil Sta		SHEET 1 of 1

purged/sampled by: Hoa Trinh				DATE: 8/24/94			
GAUGING DA	TA: tom: <u>27.35</u> f	Con	version	Well casing volur	me	gallons	
	er: 12.71 f	t. 2 in.		# volumes to purge		}	
Saturated Thickness: _	ft.	6 in.		*Total volume to pu * unless chemical para	•	_ i	
=	ATA: od: PVC bailer) Suluctivity/pH Inst			ft pump/	(circ	rle one)	
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		0					
	7001	SBMP	LEO J	His QUAD	X ER		
				1:3:			
	Color: Recharge:			bidity:ft. She	een		
SAMPLING	GDATA:			TPHg/	Sample for: (circ	G 8010	
Sampling method Dedicated bailer Disposable bailer TPH mo Total Pb EDB 8240 601 602 Nitrates 8260 Other:							
HYDR	_		PURGE/SAMPLE DATA SHEET Job No. 8-019				
1!	♦ NMENT ♦ LOGIE	i	WELL # MW- 8 LOCATION: Former Mobil Station, San Lorenzo 1 of 1				





680 Chesapeake Drive 1900 Bates Avenue, Suite L Concord, CA 94520 819 Striker Avenue, Suite 8 Sacramento, CA 95834

Redwood City, CA 94063

(415) 364-9600 (510) 686-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 686-9689 FAX (916) 921-0100

RECEIVED AUS 3 1 "94

Hydro Environmental 2363 Mariners Square Drive

Suite 243

Alameda, CA 94501 Attention: Scott Kellstedt Client Proj. ID: Mobil 10-LIX, San Lorenzo

Sample Descript: MW-7

Matrix: LIQUID Analysis Method: 8015Mod/8020

Lab Number: 9408E88-01

Sampled: 08/24/94

Received: 08/25/94

Analyzed: 08/29/94 Reported: 08/30/94

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Dete	Sample Results ug/L	
TPPH as Gas Benzene Toluene Ethyl Benzene Xylenes (Total) Chromatogram Pattern:		50 0.50 0.50 0.50 0.50	0.57 N.D. 6.9 2.8
Surrogates Trifluorotoluene	Contr 70	rol Limits % 130	% Recovery 98

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

SEQUOIA ANALYTICAL - ELAP #1210

Todd Olive Project Manager



680 Chesapeake Drive 1900 Bates Avenue, Suite L. Concord, CA 94520 819 Striker Avenue, Suite 8 Sacramento, CA 95834

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Hydro Environmental

Mobil 10-LIX, San Lorenzo Client Project ID:

2363 Mariner Square Dr., Ste 243

Matrix:

Liquid

Alameda, CA 94501

Attention: Scott Kellstedt

QC Sample Group: 9408E88 Burna de de la complexa de la comple

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Reported: Aug 30, 1994

QUALITY CONTROL DATA REPORT

Benzene	Toluene	Ethyl	Xylenes	
		Benzene		
EPA 8020	EPA 8020	EPA 8020	EPA 8020	
J. Minkel	J. Minkel	J. Minkel	J. Minkel	
9408E5501	9408E5501	9408E5501	9408E5501	
N.A.	N.A.	N.A.	N.A.	
	8/29/94	8/29/94	8/29/94	•
GCHP-17	GCHP-17	GCHP-17	GCHP-17	
10 μg/L	10 µg/L	10 μg/L.	30 μg/L	
94	92	92	93	
96	94	93	93	
2.1	2.2	1.1	0.0	
	9408E5501 N.A. 8/29/94 GCHP-17 10 µg/L 94	EPA 8020 J. Minkel 9408E5501 9408E5501 N.A. 8/29/94 GCHP-17 10 µg/L 94 92 96 94	EPA 8020 EPA 8020 EPA 8020 J. Minkel J. Minkel J. Minkel 9408E5501 9408E5501 9408E5501 N.A. N.A. N.A. N.A. 8/29/94 8/29/94 GCHP-17 GCHP-17 GCHP-17 10 μg/L 10 μg/L 10 μg/L 94 92 92' 96 94 93	Benzene EPA 8020 EPA 8020 EPA 8020 EPA 8020 J. Minkel J. Minkel J. Minkel 9408E5501 9408E5501 9408E5501 9408E5501 N.A. N.A. N.A. N.A. N.A. N.A. 8/29/94 8/29/94 8/29/94 GCHP-17 GCHP-17 GCHP-17 GCHP-17 10 μg/L 10 μg/L 30 μg/L 94 92 92 93

LCS Batch#:

Date Prepared: Date Analyzed: Instrument I.D.#:

> LCS % Recovery:

% Recovery					
Control Limits:	71-133	72-128	72-130	71-120	

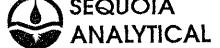
SEQUOIA ANALYTICAL

Toád Ölive 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 matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

9408E88.HEN <1>

Mobil Chain of Custody



Concord:
Sacramento:

(510) 686-9600 • (916) 921-9600 ·

Consulting Firm Name:	Site SS #: 10 - 61 X	Phase of Work:
	Mobil Site Address: 15884 Hesperian Blod.	A. Emrg. Response
Address: 2263 Harried State: Steel Zin Code: 04 ==	Mobil Engineer: M. Fear.	☐ B. Site Assessment☐ C. Remediation
City: Alameda State: CA Zip Code: 9450	Consultant Project #	
Project Contact: Con Keeps Sampled by: 1101 TE, with	Consultant Project #: 8-019	D. Monitoring
Project Contact: Sampled by: 113: Tand	Sequoia's Work Order Release #: Analyses Requested	U.E. OGC/Ciainis
Turnaround Time: Standard TAT (5 - 10 Working Days)	13/12/2	
Client Date/Time Matrix # of Sequoia's Sample I.D. Sampled Description Containers Sample #		Comments
1. MW 7 8/24/74 1120 3 9408C88		
2.		
3.		
4.		
5.		
6.		
7		
0.		
9.		
10.		
Relinquished By: Date: Time: 8/25/44 8/25	Received By: / ////// Date: //	Time: 9AM
Relinquished By: Date: 15 193		Time: 10.50
Pelinquished By: 5 Date: 0/25/01/ Time:	Received By: Date:	Time:
Method of Shipment		Page + of +