



July 19, 1996 Project 310-058.5A

Mr. Richard Hiett Regional Water Quality Control Board San Francisco Bay Region 2101 Webster Street, Suite 500 Oakland, California 94612

Re: Unocal Corporation

Quarterly Summary Report Second Quarter 1996

Dear Mr. Hiett:

As directed by Ms. Tina Berry of Unocal Corporation, Pacific Environmental Group, Inc. is forwarding the quarterly summary report for the following location:

Service Station

Location

5760

376 Lewelling Boulevard, San Lorenzo

If you have questions or comments, please do not hesitate to contact our office at (408) 441-7500.

Sincerely,

Pacific Environmental Group, Inc.

Joseph Muzzio //
Project Geologist

Enclosure

cc: Ms. Tina Berry, Unocal Corporation

Ms. Amy Leech, Alameda County Environmental Health Care Services

Quarterly Summary Report Second Quarter 1996

Unocal Service Station 5760 376 Lewelling Boulevard San Lorenzo, California

City/County ID #: None

County: Alameda

BACKGROUND

The underground storage tanks were removed and replaced in November 1987. Currently, there are nine monitoring wells on site. Groundwater monitoring and sampling of wells began in February 1988. A remedial action plan was submitted during the third quarter 1994. A groundwater extraction system and soil vapor extraction system was installed in August and September 1995. In February 1996, modifications to the present sampling and monitoring activities were presented in a letter to Unocal and Alameda County, recommending a reduction to semiannual groundwater sampling for some of the monitoring wells.

RECENT QUARTER ACTIVITIES

Quarterly groundwater monitoring and sampling were conducted in July 1996. Monthly monitoring of soil and groundwater remedial systems were performed and appropriate reports documenting findings were submitted, as well as a quarterly performance report.

NEXT QUARTER ACTIVITIES

Unocal will submit proposed revisions to the current groundwater monitoring program. Operation of soil vapor and groundwater extraction and treatment system will continue.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated? Yes.

Dissolved groundwater delineated? No.

Free product delineated? Yes.

Amount of groundwater contaminant recovered this quarter? Approximately 8 pounds.

Soil remediation in progress? Yes.

Start? October 1995.

Anticipated completion date? Unknown.

Dissolved/free product remediation in progress? Yes.

Start? October 1995.

Anticipated completion? Unknown.

CONSULTANT: Pacific Environmental Group, Inc.





May 17, 1996 Project 310-058.5A

Ms. Susan Keach Oro Loma Sanitary District 2600 Grant Avenue San Lorenzo, California 94580

Re: Wastewater Discharge Permit 024 - Notice of Exceedance
Unocal Service Station 5760
376 Lewelling Boulevard at Usher Street
San Lorenzo, California

Dear Ms. Keach:

On behalf of Unocal Corporation, Pacific Environmental Group, Inc. (PACIFIC) is operating a groundwater extraction (GWE) and treatment system at the site referenced above. This letter is being sent to notify you of the current GWE system status and plans to correct the permit exceedance which was noted in the latest sample results. Toluene and Xylenes were noted in the treatment system effluent at concentrations of 0.80 micrograms per liter (μ g/L) and 2.0 μ g/L, respectively; please note that although a concentration of 83 μ g/L was reported for total purgeable petroleum hydrocarbons (TPPH) as gasoline, our permit allows a maximum TPPH limitation of 15 milligrams per liter (μ g/L), so we are well under the allowable concentration for this constituent.

After one of the two carbon vessels was changed out on March 25, 1996, and the system restarted, PACIFIC made a regular site visit on April 5, 1996 and found the GWE system down. After restarting the system, samples were taken along with operational data. Approximately 340 gallons of extracted groundwater had been cycled through the treatment system and discharged to the sewer between the samples taken on March 11 and April 5. During a return visit to the site on April 16, the system was once again found down. Upon investigation, it was found that one of the carbon vessel lids was not sealing properly, so the system was left down and a replacement lid was ordered. According to field data, approximately 49,930 gallons were discharged through the treatment system between the April 5 and April 16 site visits. PACIFIC is currently investigating the cause of the unusually high discharge volume.

The carbon vessel lid was replaced on May 15, and the system was restarted and samples collected. The system was deactivated after sample collection and will remain deactivated until receipt of sample analytical results. If results confirm breakthrough, the second carbon vessel will be scheduled for replacement. If the results indicate permit compliance, the system will be restarted. If you have any questions regarding this project or require further information, please do not hesitate to call.

Sincerely,

Pacific Environmental Group, Inc.

Suzame McClurkin-Nelson

Staff-Scientist

Steven D. Clark

Attachments:

CC:

Project Hydrogeologist

Ms. Tina Berry, Unocal Corporation
Mr. Richard Hiett, Regional Water Quality Control Board - Ş.F. Bay Region

Notice of Discharge Violation dated May 13, 1996

Ms. Amy Leech, Alameda County Health Care Services



ORO LOMA SANITARY DISTRICT

20 N. CRIONT AVENCE SHIN EORENZO, CALPIDENIA HARRIO TELEPHONE TIO 2764-766 FONINISTRATION FAN DIO 2764022 PLANTIAN DIO 276402

MAY 1 7 1995

May 13, 1996

Ms. Suzanne McClurkin-Nelson Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110

Subject:

Unocal Station #5760, Notice of Discharge Violation

Dear Ms. McClurkin-Nelson:

The monitoring report of the remediation site referenced above indicates two violations of the Special Discharge Permit No. 024.

SAMPLE	PARAMETER	RESULTS	OLSD LIMIT
04/05/96	TPH Benzene	83 ug/L <0.50	Non Detect Supervise
	Toluene Ethylbenzene Xylene	0.80 < 0.50 2.0	ND Sprawing from ND ND ND ND

Within seven (7) days of receipt of this letter, please provide a written explanation describing the cause of the violations and the corrective actions taken to prevent future violations.

You may reach us at (510) 276-4700, extension 149, with any questions.

Sincerely,

Edward A. Heuer

Director, Water Quality Services

Susan Keach

Industrial Waste Inspector



MPDS-UN5760-10 April 18, 1996

Unocal Corporation 2000 Crow Canyon Place, Suite 400 P.O. Box 5155 San Ramon, California 94583

Attention: Ms. Tina R. Berry

RE: Quarterly Data Report

Unocal Station Service #5760

376 Lewelling Boulevard San Lorenzo, California

Dear Ms. Berry:

This data report presents the results of the most recent quarter of monitoring and sampling of the monitoring wells at the referenced site by MPDS Services, Inc.

RECENT FIELD ACTIVITIES

The monitoring wells that were monitored and sampled during this quarter are indicated in Table 1. Oxygen Release Compound (ORC) filter socks were present in monitoring wells U-6 and U-9. Prior to sampling, the wells were checked for depth to water and the presence of free product or sheen. The monitoring data and the ground water elevations are summarized in Table 1. The ground water flow direction during the most recent quarter is shown on the attached Figure 1.

Ground water samples were collected on March 20 and 22, 1996. Prior to sampling, the wells were each purged of 11 gallons of water. addition, dissolved oxygen concentrations were also measured and are presented in Table 5. During purging operations, the field parameters pH, temperature, and electrical conductivity were recorded and are presented in Table 2. Once the field parameters were observed to stabilize, and where possible, a minimum of approximately four casing volumes had been removed from each well, samples were then collected using a clean Teflon bailer. The samples were decanted into clean VOA vials and/or one-liter amber bottles, as appropriate, which were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory. Equipment blank, Field blank and Trip blank samples (denoted as ES1, ES2 and ES3, respectively) were also collected for quality assurance and control. MPDS Services, Inc. transported the purged ground water to the Unocal Refinery located in Rodeo, California, for treatment and discharge to San Pablo Bay under NPDES permit.

MPDS-UN5760-10 April 19, 1996 Page 2

ANALYTICAL RESULTS

The ground water samples were analyzed at Sequoia Analytical Laboratory and were accompanied by properly executed Chain of Custody documentation. The analytical results of the ground water samples collected to date are summarized in Tables 3 and 4. The concentrations of Total Petroleum Hydrocarbons (TPH) as gasoline and benzene detected in the ground water samples collected this quarter are shown on the attached Figure 2. Copies of the laboratory analytical results and the Chain of Custody documentation are attached to this report.

LIMITATIONS

Environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants.

DISTRIBUTION

A copy of this report should be sent to Ms. Amy Leech of the Alameda County Health Care Services Agency.

If you have any questions regarding this report, please do not hesitate to call Mr. Joel G. Greger at (510) 602-5120.

JOEL G. GREGER
No. EG 1633
CERTIFIED
ENGINEERING
GEOLOGIST

Sincerely,

MPDS Services, Inc.

Haig (Gary) Tejirian Senior Staff Geologist

Joel G. Greger, C.E.G. Senior Engineering Geologist

License No. EG 1633 Exp. Date 8/31/96

/bp

Attachments: Tables 1 through 5

Location Map Figures 1 & 2

Laboratory Analyses

Chain of Custody documentation

cc: Mr. Joe Muzzio, Pacific Environmental Group, Inc.

TABLE 1
SUMMARY OF MONITORING DATA

			,			
	Ground Wate	randananan on on annan on on eile a reilige in 1866 an 1866 a reilige in 1866 an annan anna ann an 1866 an 186	otal Well	Product		_Water
*** 7.3	Elevation	Water	Depth	Thickness	GL	Purged
<u>W</u> ell :	<u> (feet)</u>	<u>(feet)</u> •	(feet)♦	<u>(feet)</u>	<u>Sheen</u>	<u>(gallons)</u>
		(Monitored and Sam	mpled on i	March 20, 199	6)	
		(Montroated and ba	mprou on .		0,	
U-1 ★	WELL WAS INACC	ESSIBLE FOR MONITORING	AND PURGIN	G - CONNECTED TO	VAPOR EXT	RACTION SYSTEM
U-2	26.24	15.02	29.90	0		0
U-3 ★	WELL WAS INACC	ESSIBLE FOR MONITORING	AND PURGIN	G- CONNECTED TO	VAPOR EXTR	ACTION SYSTEM
U-4	25.32	14.93	27.86	0		0
U-5	25.24	14.07	28.40	0		0
U-6	25.27	12.41	28.27	0	No	11
U-7	25.15	11.96	34.97	0		0
U-8	25.32	13.25	29.82	0	- -	0
U-9	25.04	12.27	28.20	0	No	11
	(1	Monitored and Samp	oled on De	ecember 14, 1	995)	
U-1	WELL WAS IN	ACCESSIBLE - CONNE	ECTED TO V	JAPOR EXTRACT	ION SYSTE	EM
U-2	23.08	18.18	29.92	0	No	17.5
U-3	WELL WAS IN	ACCESSIBLE - CONNE	ECTED TO V	JAPOR EXTRACT	ION SYSTE	EM
U-4	22.82	17.43	27.88	0	No	15.5
U- 5	22.75	16.56	28.56	0	No	8.5
U-6	22.79	14.89	28.30	0	No	9.5
U-7	22.72	14.39	34.85	0	$N \circ$	14
U-8	22.90	15.67	29.85	0	No	10
U-9	22.64	14.67	28.20	0	No	9.5
	/M	onitored and Samp	led on Se	ntember 12 1	995)	
	(11	onicored and pamp	red ou pe	pcember 12, 1	,,,,,	
U-1	23.43	16.77	30.10	0	No	20
U-2	23.46	17.80	29.96	0	No	18
U-3	23.15	16.11	24.95	0	No	13.5
U-4	23.15	17.10	27.95	0	No	16.5
U-5	23.01	16.30	28.61	0	No	8.5
U-6	22.83	14.85	28.35	0	No	9.5
U-7	22.71	14.40	34.95	0	No	14
U-8	23.07	15.50	29.90	0	No	10
U-9	22.58	14.73	28.26	0	No	9.5

TABLE 1 (Continued)

SUMMARY OF MONITORING DATA

Well #	Ground Wate Elevation (feet)	r Depth to Water (feet)∳	Total Well Depth (feet)◆	Thickness	<u>Sheen</u>	Water Purged (gallons)
		(Monitored and	Sampled on	June 13, 1	995)	
U-1	25.50	14.70	30.10	0	No	23
U-2	24.55	16.71	29.95	0	No	20
U-3	24.15	15.11	25.05	0	No	16
U-4	24.30	15.95	27.90	0	No	18
U- 5	24.15	15.16	28.60	0	No	10
บ-6	23.95	13.73	28.31	0	No	10
U-7	23.78	13.33	35.00	0	No	15
U-8	24.17	14.40	29.85	0	No	11
U-9	23.68	13.63	28.23	0	No	10

Well_#	Well Casing Elevation <u>(feet)*</u>
U-1	40.20
U-2	41.26
U-3	39.26
U-4	40.25
U-5	39.31
U-6	37.68
U-7	37.11
U-8	38.57
U-9	37.31

- ◆ The depth to water level and total depth measurements were taken from the top of the well casings.
- * The elevation of the top of the well casing are relative to Mean Sea Level.
- \star Well was sampled on March 22, 1996.

TABLE 2

RECORD OF THE TEMPERATURE, CONDUCTIVITY, AND pH VALUES
IN THE MONITORING WELLS DURING PURGING AND PRIOR TO SAMPLING

(Measured on March 20, 1996)

p∈	Gallons er Casing Volume	<u>Time</u>	Gallons <u>Purged</u>	Casing Volumes <u>Purged</u>	Temper- ature (°F)	Conductivity ([µmhos/cm] x1000)	рH
U-6	2.70	10:30	0	0	69.2	1.45	7.82
			3	1.11	72.1	1.50	7.51
			6	2.22	72.3	1.46	7.40
			9	3.33	73.5	1.46	7.32
		10:20	11	4.07	73.5	1.48	7.21
U-9	2.70	09:45	0	0	70.5	1.36	7.67
			3	1.11	72.6	1.30	7.40
			6	2.22	73.0	1.29	7.31
			9	3.33	73.0	1.28	7.28
		09:58	11	4.07	73.2	1.26	7.17

TABLE 3
SUMMARY OF LABORATORY ANALYSES
WATER

 -						_
Well #	<u>Date</u>	TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	Ethyl- <u>benzene</u>	<u>Xylenes</u>
			*.			
U-1	3/22/96	13,000	200	590	640	4,000
	12/14/95	NOT SAMPLED -	WELL CONNECTEI	TO VAPOR EXTRA	CTION SYSTEM	
	9/12/95	43,000	910	2,700	1,700	9,600
	6/13/95	53,000	1,400	5,000	2,500	14,000
	3/09/95	49,000	860	3,200	1,900	10,000
	12/05/94	1,300	55	20	16	330
	9/07/94	41,000	1,600	6,200	3,100	16,000
	6/09/94	59,000	5,200	1,300	5,200	15,000
	3/09/94	45,000	930	4,100	2,000	11,000
	12/02/93	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T
	9/09/93	67,000	2,900	18,000	6,200	32,000
	6/04/93	35,000	1,300	5,700	900	9,200
	2/12/93	70,000	2,200	8,400	3,100	18,000
	11/20/92	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T:
	8/06/92	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T
	4/07/92	NOT SAMPLED	- PRODUCT	SKIMMER INST	ALLED IN WEL	L
	3/05/92	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T.
	12/04/91	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T.
	9/19/91	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T.
	6/03/91	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T.
	3/04/91	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T
	12/05/90	NOT SAMPLED	DUE TO THE	PRESENCE OF	FREE PRODUC	T
	8/24/90	27,000	1,200	1,800	1,400	5,500
	6/05/90	46,000	2,300	5,500	2,500	11,000
	3/20/90	36,000	2,100	5,500	1,900	9,300
	2/09/88	93,000	3,600	11,000	**	20,000
U-2	3/20/96	SAMPLED ANN	UALLY			
	12/14/95	ND	ND	ND	ND	ND
	9/12/95	ND	\mathbf{N} D	ND	ND	ND
	6/13/95	ND	\mathbf{N} D	ND	ND	ND
	3/09/95	ND	ND	ND	ND	ИD
	12/05/94	ND	ND	ND	ND	ND
	9/07/94	ND	ND	0.63	ND	0.61
	6/09/94	ND	ND	ND	ND	ND
	4/13/94	ND	ND	ND	ND	ND

TABLE 3 (Continued)

		TPH as			Ethyl-	
Well #	<u>Date</u>	<u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>benzene</u>	<u>Xylenes</u>
,						
U-2						
(Continued)	3/09/94	62	1.1	5.4	1.1	9.7
	12/02/93	ND	ND	ND	ND	\mathbf{N} D
	9/09/93	ND	ND	ND	ND	$n_{ m D}$
	6/04/93	ND	ND	ND	ND	ND
	2/12/93	ND	ND	ND	ND	ND
	11/20/92	ND	ND	ND	ND	\mathbf{N} D
	8/06/92	ND	ND	ND	ND	\mathbf{N} D
	4/07/92	ND	ND	ND	ND	ND
	3/05/92	ND	ND	0.36	ND	ND
	12/04/91	ND	ND	ND	ND	ND
	9/19/91	ND	ND	ND	ND	ND
	6/03/91	ND	ND	ND	ND	ND
	3/04/91	ND	ND	0.9	ND	2.6
	12/05/90	ND	$\mathbf{N}D$	ND	ND	ND
	8/23/90	ND	ND	ND	ND	ND
** ~	2/22/26	75 000	150	400	400	2 100
U-3	3/22/96	15,000	150	490	480	3,100
	12/14/95		JELL CONNECTED			10 000
	9/12/95	69,000	1,700	820	4,000	19,000
	6/13/95	64,000	1,700	1,500	3,800	18,000
	3/09/95	100,000	2,300	3,300	4,800	21,000 21,000
	12/05/94	140,000	3,100	5,100	4,900 4,200	21,000
	9/07/94	100,000	2,400	4,900		
	6/09/94	120,000*	3,300	6,100	5,200	26,000
	3/09/94	120,000	4,500	8,300	5,600	28,000
	12/02/93	110,000	3,200	7,700	5,600	26,000
	9/09/93	110,000	2,800	10,000	6,500	31,000
	6/04/93	92,000	2,900	8,700	4,300	20,000
	2/12/93	80,000	3,700	9,400	3,700	18,000
	11/20/92	50,000	3,200	4,700	1,900	10,000
	8/06/92	140,000	5,100	13,000	5,000	23,000
	4/07/92	97,000	6,100	16,000	5,400	28,000
	3/05/92	160,000	5,300	15,000	5,400	26,000
	12/04/91	75,000	2,500	6,100	1,900	11,000
	9/19/91	61,000	3,300	9,700	2,800	15,000

TABLE 3 (Continued)

8780218808787878888888888		TPH as			mate les est	
<u>Well #</u>	<u>Date</u>	Gasoline	<u>Benzene</u>	<u>Toluene</u>	Ethyl- benzene	<u>Xylenes</u>
Ribution traculation in Statistical Architecture						
U-3	6/03/91	130,000	5,800	19,000	4,600	24,000
(Continued)	3/04/91	84,000	1,400	10,000	2,900	17,000
	1/18/91	51,000	1,700	3,100	1,500	7,500
	12/05/90	69,000	1,900	3,500	1,600	9,800
	8/23/90	110,000	4,400	13,000	2,800	17,000
U-4	3/20/96	SAMPLED ANNU	JALLY			
	12/14/95	ND	ND	ND	ND	ND
	9/12/95	ND	ND	ND .	ND	ND
	6/13/95	ND	ND	ND	ND	ND
	3/09/95	ND	ND	ND	ND	ND
	12/05/94	ND	ND	ND	ND	ND
	9/07/94	ND	ND	1.1	ND	1.0
	6/09/94	ND	ND	ND	ND	ND
	4/13/94	ND	ND	ND	ND	ND
	3/09/94	ND	1.4	4.7	1.1	8.1
	12/02/93	ND	ND	ND	ND	2.6
	9/09/93	ND	ND	ND	ND	ND
	6/04/93	ND	ND	ND	ND	ND
	2/12/93	ND	ND	ND	ND	ND
	11/20/92	ND	ND	2.5	ND	ND
	8/06/92	ND	ND	ND	ND	ND
	4/07/92	ND	ND	ND	ND	ND
	3/05/92	ND	ND	ND	ND	ND
	12/04/91	ND	ND	ND	ND	ND
	9/19/91	ND	ND	ND	ND	ND
	6/03/91	ND	ND	ND	ND	ND
	3/04/91	ND	ND	ND	ND	ND
	1/18/91	ND	ND	ND	ND	ND
	12/05/90	ND	ND	ND	ND	ND
	8/23/90	ND	ND	1.0	ND	1.8
U-5	3/20/96	SAMPLED ANNU	JALLY			
	12/14/95	ND	ND	ND	ND	ND
	9/12/95	ND	ND	ND	ND	ND
	6/13/95	ND	ND	ND	ND	ND
	3/09/95	ND	ND	ND	ND	ND

TABLE 3 (Continued)

Well #	<u>Date</u>	TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	Ethyl- <u>benzene</u>	Xylenes
U-5						
(Continued)	12/05/94	ND	ND	ND	ND	ND
	9/07/94	ND	ND	0.73	ND	0.84
	6/09/94	ND	ND	ND	ND	ND
	4/13/94	ND	ND	ND	ND	ND
	3/09/94	71	1.7	6.3	1.5	10
	12/02/93	ND	ND	ND	ND	ND
	9/09/93	ND	ND	ND	ND	ND
	6/04/93	ND	ND	ND	ND	ND
	2/12/93	ND	ND	ND	ND	ND
	11/20/92	ND	ND	ND	ND	ND
	8/06/92	ND	ND	ND	ND	ND
	4/07/92	ND	ND	ИD	ND	ND
U-6	3/20/96	52	1.1	0.98	ND	0.75
	12/14/95	760	ND	ND	7.0	8.4
	9/12/95	ND	ND	ND	ND	ND
	6/13/95	1,300	ND	ND	20	46
	3/09/95	2,500	29	ND	70	120
	12/05/94	450**	ND	ND	ND	ND
	9/07/94	1,600*	ND	ND	ND	ND
	6/09/94	2,600*	16	ND	29	ND
	3/09/94	2,200	11	8.2	24	16
	12/02/93	2,100	12	1.6	21	1.1
	9/09/93	6,300♦♦	29	ND	120	34
	6/04/93	13,000	100	38	450	320
	2/12/93	2,600	27	ND	120	51
	11/20/92	WELL WAS INA	ACCESSIBLE			
	8/06/92	9,200	160	ND	360	150
	4/07/92	6,600	90	ND	820	1,200
U-7	3/20/96	SAMPLED ANNU	JALLY			
	12/14/95	ND	ND	ND	ND	ND
	9/12/95	ND	ND	ND	ND	ND
	6/13/95	ND	ND	ND	ND	ND
	3/09/95	ND	ND	ND	ND	ND
	12/05/94	ND	ND	ND	ND	ND

TABLE 3 (Continued)

o mingro, makket akaketakananan					SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	,
Well #	<u>Date</u>	TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	Ethyl- <u>benzene</u>	<u>Xylenes</u>
1 						
U-7						
(Continued)	9/07/94	ND	ND	ND	ND	ND
	6/09/94	ND	ND	ND	ND	ND
	4/13/94	ND	ND	ND	ND	ND
	3/09/94	ND	1.4	4.4	0.96	7.5
	12/02/93	ND	ND	ND	ND	ND
	9/09/93	ND	ND	ND	ND	ND
	6/04/93	ND	ND	ND	ND	ND
	2/12/93	ND	ND	ND	ND	ND
	11/20/92	ND	ND	ND	ND	ND
	8/06/92	ND	ND	ND	ND	ND
	4/07/92	ND	ND	ND	ND	ND
U-8	3/20/96	SAMPLED ANNU	ALLY			
	12/14/95	ND	ND	ND	ND	ND
	9/12/95	ND	ND	ND	ND	ND
	6/13/95	ND	ND	ND	ND	ND
	3/09/95	ND	ND	ND	ND	ND
	12/05/94	ND	ND	ND	ND	ND
	9/07/94	ND	ND	ND	ND	$\mathtt{N}\mathtt{D}$
	6/09/94	ND	ND	ND	ND	ND
	4/13/94	ND	ND	0.78	ND	0.98
	3/09/94	ND	1.2	3.7	0.79	6.1
	12/02/93	ND	ND	ND	ND	ND
	9/09/93	ND	ND	ND	ND	ND
	6/04/93	ND	ND	ND	ND	ND
	2/12/93	ND	ND	ND	ND	ND
	8/06/92	ND	ND	ND	ND	ND
	4/07/92	ND	ND	ND	ND	ND
U-9	3/20/96	ND	ND	ND	ND	ND
	12/14/95	ND	ND	ND	ND	ND
	9/12/95	ND	ND	ND	ND	ND
	6/13/95	ND	ND	ND	ND	ND
	3/09/95	2,500**	ND	ND	ND	ND
	12/05/94	3,700**	ND	ND	ND	ND
	9/07/94	2,700**	ND	ND	ND	ND

TABLE 3 (Continued)

SUMMARY OF LABORATORY ANALYSES WATER

Well #	<u>Date</u>	TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	Ethyl- <u>benzene</u>	<u>Xylenes</u>
U-9						
(Continued)	6/09/94	2,900**	ND	ND	ND	ND
	4/13/94	ND	ND	ND	ND	ND
	3/09/94	5,700*	ND	ND	ND	\mathbf{N} D
	12/02/93	ND	ND	ND	ND	ND
	9/09/93	1,200♦	ND	\mathbf{N} D	ND	ND
	6/04/93	2,100♦	ND	ND	ND	ND

- Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be gasoline and non-gasoline mixture.
- ** Sequoia Analytical Laboratory reported that the hydrocarbon detected did not appear to be gasoline.
- ▲▲ Ethylbenzene and xylenes were combined prior to March 1990.
- The concentration reported as gasoline is primarily due to the presence of a discrete hydrocarbon peak not indicative of standard gasoline.
- ◆◆ The concentration reported as gasoline is primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.

ND = Non-detectable.

Results are in micrograms per liter $(\mu g/L)$, unless otherwise indicated.

Note: - The detection limit for results reported as ND by Sequoia Analytical Laboratory is equal to the stated detection limit times the dilution factor indicated on the laboratory analytical sheets.

- Prior to August 1, 1995, the total purgeable petroleum hydrocarbon (TPH as gasoline) quantification range used by Sequoia Analytical Laboratory was C4 C12. Since August 1, 1995, the quantification range used by Sequoia Analytical Laboratory is C6 C12.
- Laboratory analyses data prior to December 2, 1993, were provided by GeoStrategies, Inc.

TABLE 4 (Continued)

SUMMARY OF LABORATORY ANALYSES WATER

<u>Well #</u>	<u>Date</u>	MTBE μg/L
U-8	12/14/95	ND
	9/12/95	ND
	6/13/95	ND
	3/09/95	ND
U-9	3/20/96	480
	12/14/95	4,400
	9/12/95	1,600
	6/13/95	1,200
	3/09/95	5,800

MTBE = methyl tert butyl ether

ND = Non-detectable.

 μ g/L = micrograms per liter.

TABLE 5

SUMMARY OF MONITORING DATA

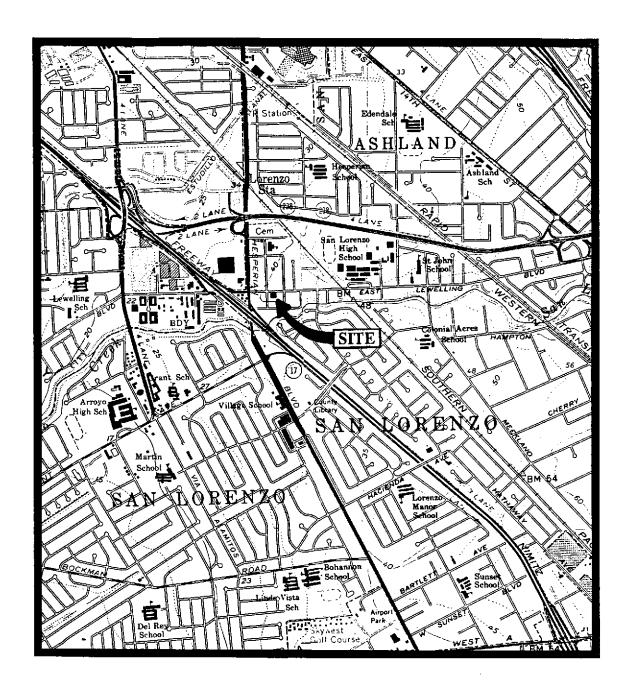
Dissolved Oxygen Concentration (DO) Measurement

<u>Date</u>	Well #	DO <u>(mg/L)</u>	
		Before Purging	After Purging
3/20/96	U-6	3.85	3.89
	U-9	4.02	4.00

Did they implement ORC augmentation of this site?

mg/L = milligrams per liter





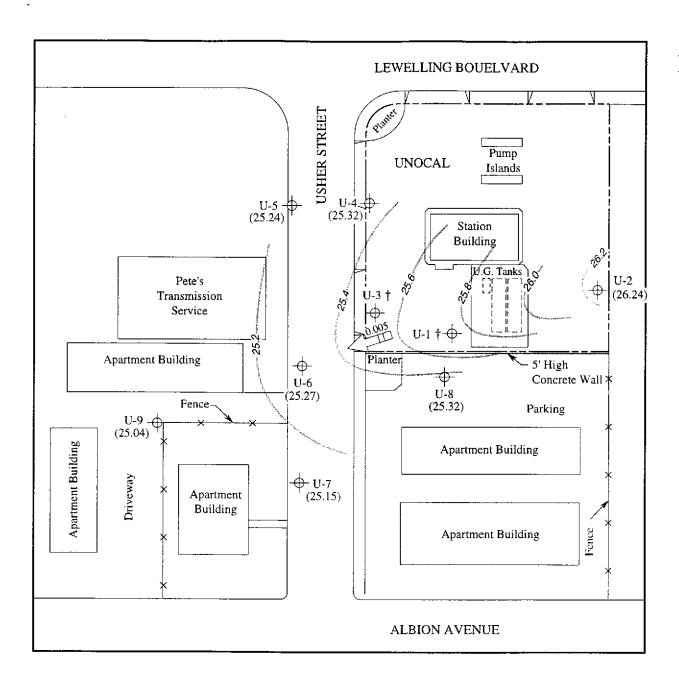
Base modified from 7.5 minute U.S.G.S. Hayward and San Leandro Quadrangles (both photorevised 1980)





UNOCAL SERVICE STATION #5760 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA

LOCATION MAP



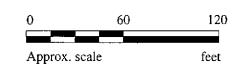
LEGEND

Monitoring well

() Ground water elevation in feet above Mean Sea Level

Direction of ground water flow with approximate hydraulic gradient

† Well was inaccessible, attached to remediation system.

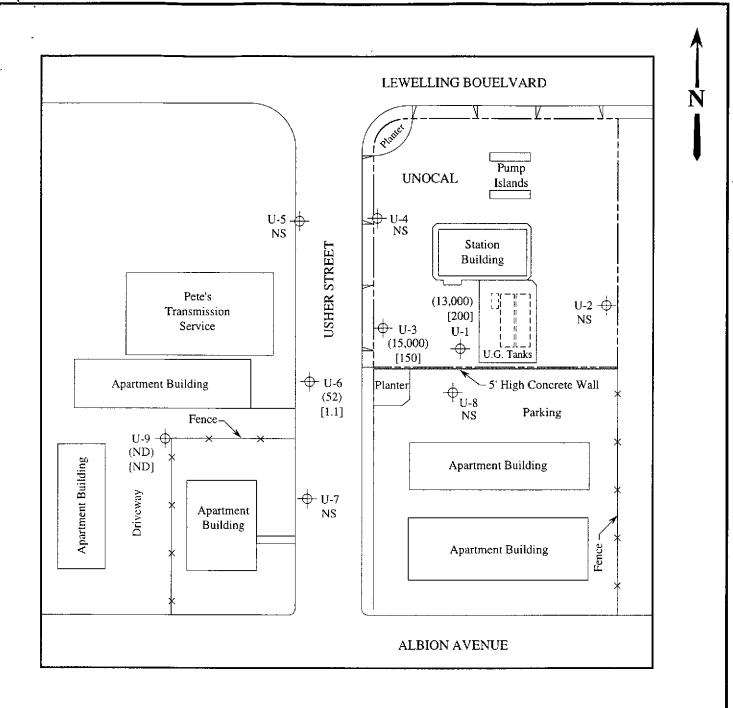


POTENTIOMETRIC SURFACE MAP FOR THE MARCH 20, 1996 MONITORING EVENT



Contours of ground water elevation

UNOCAL SERVICE STATION #5760 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA FIGURE



LEGEND

- Monitoring well
- () Concentration of TPH as gasoline in μg/L
- [] Concentration of benzene in $\mu g/L$
- ND Non-detectable, NS Not sampled



PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON MARCH 20 AND 22, 1996



UNOCAL SERVICE STATION #5760 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA FIGURE

2



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600

FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

MPDS Services 2401 Stanwell Dr., Ste. 300 Concord, CA 94520 Attention: Jarrel Crider

Client Project ID: Matrix Descript:

Unocal #5760, 376 Llewelling, San Lorenzo Water

Sampled: Received: Mar 20, 1996 Mar 20, 1996

Analysis Method: First Sample #:

EPA 5030/8015 Mod./8020

Reported:

Apr 9, 1996

603-1768

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Purgeable Hydrocarbons μg/L	Benzene μg/L	Toluene μg/L	Ethyl Benzene µg/L	Total Xylenes μg/L	MTBE μg/L
603-1768	U-6	52	1.1	0.98	ND	0.75	1,200
603-1769	U-9	ND	ND	ND	ND	ND	480
603-1770	ES1	ND	ND	ND	ND	ND	-
603-1771	ES2	ND	ND	ND	ND	ND	-
603-1772	ES3	ND	ND	ND	ND	ND	-

Detection Limits:	50	0.50	0.50	0.50	0.50	40

Total Purgeable Petroleum Hydrocarbons are quantitated against a fresh gasoline standard. Analytes reported as ND were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp **Project Manager**

Page 1 of 2



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

MPDS Services 2401 Stanwell Dr., Ste. 300 Concord, CA 94520 Attention: Jarrel Crider

Client Project ID: Matrix Descript: Analysis Method: Unocal #5760, 376 Llewelling, San Lorenzo Water

Mar 20, 1996 Mar 20, 1996

First Sample #:

EPA 5030/8015 Mod./8020 603-1768

Received: Reported:

Sampled:

Apr 9, 1996

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Chromatogram Pattern	DL Mult. Factor	Date Analyzed	Instrument ID	Surrogate Recovery, % QC Limits: 70-130
603-1768	U-6	Gasoline	1.0	4/3/96	HP-11	105
603-1769	U-9		1.0	4/3/96	HP-11	99
603-1770	ES1		1.0	4/3/96	HP-2	109
603-1771	ES2		1.0	4/3/96	HP-2	85
603-1772	ES3		1.0	4/3/96	HP-2	100

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp Project Manager



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834 (415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

MPDS Services

2401 Stanwell Dr., Ste. 300 Concord, CA 94520

Attention: Jarrel Crider

Client Project ID:

: Unocal #5760, 376 Llewelling, San Lorenzo

Matrix:

QC Sample Group: 6031768-772

Reported:

Apr 9, 1996

QUALITY CONTROL DATA REPORT

Liquid

Conc. Spiked: 20 μg/L 20 μg/L 60 μg/L Matrix Spike % Recovery: 125 120 125 122 Matrix Spike Duplicate % Recovery: 110 105 105 107 Relative % Difference: 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96	ANALYTE	Benzene	Toluene	Ethyl	Xylenes	
Analyst: L Huang L Huang L Huang L Huang L Huang L Huang L Huang L Hu-2 L L S Huang L Hu-2 L L S Huang L Huang				Benzene		
MS/MSD Batch#: 6031835 6031835 6031835 6031835	Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	
Batch#: 6031835 6031835 6031835 6031835 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 nstrument I.D.#: HP-2 HP-2 HP-2 HP-2 Conc. Spiked: 20 μg/L 20 μg/L 20 μg/L 60 μg/L Matrix Spike % Recovery: 125 120 125 122 Matrix Spike Duplicate % Recovery: 110 105 105 107 Relative % Difference: 13 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2 LCS %	Analyst:	L. Huang	L. Huang	L. Huang	L. Huang	
Batch#: 6031835 6031835 6031835 6031835 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 nstrument I.D.#: HP-2 HP-2 HP-2 HP-2 Conc. Spiked: 20 μg/L 20 μg/L 20 μg/L 60 μg/L Matrix Spike % Recovery: 125 120 125 122 Matrix Spike Duplicate % Recovery: 110 105 105 107 Relative % Difference: 13 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2 LCS %	MS/MSD					
Date Analyzed: 4/3/96		6031835	6031835	6031835	6031835	
Date Analyzed: 4/3/96	Date Prepared:	4/3/96	4/3/96	4/3/96	4/3/96	
HP-2						
Conc. Spiked: 20 μg/L 20 μg/L 60 μg/L Matrix Spike % Recovery: 125 120 125 122 Matrix Spike Duplicate % Recovery: 110 105 105 107 Relative % Difference: 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2				•		
% Recovery: 125 120 125 122 Matrix Spike Duplicate % Recovery: 110 105 105 107 Relative % Difference: 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2			20 μg/L	20 μg/L	60 μg/L	
% Recovery: 125 120 125 122 Matrix Spike Duplicate % Recovery: 110 105 105 107 Relative % Difference: 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2	Matrix Spike					
Duplicate % Recovery: 110 105 105 107 Relative % Difference: 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2		125	120	125	122	
Duplicate % Recovery: 110 105 105 107 Relative % Difference: 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2	Matrix Spike					
Recovery: 110 105 105 107 Relative % Difference: 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2						
Difference: 13 13 13 17 13 LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 HP-2 LCS %		110	105	105	107	
LCS Batch#: 2LCS040396 2LCS040396 2LCS040396 Date Prepared: 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 LCS %	Relative %					
Date Prepared: 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 LCS %	Difference:	13	13	17	13	
Date Prepared: 4/3/96 4/3/96 4/3/96 Date Analyzed: 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 LCS %						
Date Analyzed: 4/3/96 4/3/96 4/3/96 Instrument I.D.#: HP-2 HP-2 HP-2 LCS % HP-2 HP-2 HP-2	LCS Batch#:	2LCS040396	2LCS040396	2LGS040396	2LCS040396	
Instrument I.D.#: HP-2 HP-2 HP-2 LCS %	Date Prepared:	4/3/96	4/3/96	4/3/96	4/3/96	
Instrument I.D.#: HP-2 HP-2 HP-2 LCS %	Date Analyzed:	4/3/96	4/3/96	4/3/96	4/3/96	
Recovery: 110 105 110 110	LCS %					
	Recovery:	110	105	110	110	

Please

70-130

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp Project Manager

Control Limits:

Please Note:

70-130

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.

70-130



70-130



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

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MPDS Services 2401 Stanwell Dr., Ste. 300 Concord, CA 94520

Attention: Jarrel Crider

Client Project ID: Matrix Descript:

First Sample #:

Unocal #5760, 376 Lleweling, San Lorenzo

Water

Analysis Method: EPA 5030/8015 Mod./8020 603-1945

Sampled:

Mar 22, 1996 Mar 22, 1996

Received: Reported: Apr 11, 1996

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Purgeable Hydrocarbons $\mu \mathrm{g}/\mathrm{L}$	Benzene μg/L	Toluene μg/L	Ethyl Benzene μg/L	Total Xylenes μg/L	MTB E μg/L
603-1945	U-1	13,000	200	590	640	4,000	790
603-1946	U-3	15,000	150	490	480	3,100	400

Detection Limits:	50	0.50	0.50	0.50	0.50	40
20100110112111111		0.00	0.50	0.50	0.50	70

Total Purgeable Petroleum Hydrocarbons are quantitated against a fresh gasoline standard. Analytes reported as ND were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp Project Manager

Page 1 of 2



Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

MPDS Services 2401 Stanwell Dr., Ste. 300 Concord, CA 94520

Client Project ID: Matrix Descript:

Unocal #5760, 376 Lleweling, San Lorenzo Sampled: Water

Mar 22, 1996 Mar 22, 1996

Attention: Jarrel Crider

Analysis Method:

EPA 5030/8015 Mod./8020

Received: Reported:

Apr 11, 1996

First Sample #: 603-1945

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Chromatogram Pattern	DL Mult. Factor	Date Analyzed	Instrument ID	Surrogate Recovery, % QC Limits: 70-130
603-1945	U-1	Gasoline	20	4/5/96	HP-11	90
603-1946	U-3	Gasoline	20	4/5/96	HP-11	99

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp Project Manager





Redwood City, CA 94063 Walnut Creek, CA 94598 Sacramento, CA 95834

(415) 364-9600 (510) 988-9600 (916) 921-9600 FAX (415) 364-9233 FAX (510) 988-9673 FAX (916) 921-0100

MPDS Services

2401 Stanwell Dr., Ste. 300 Concord, CA 94520 Attention: Jarrel Crider

Client Project ID: Unocal #5760, 376 Lleweling, San Lorenzo

Matrix: Liquid

QC Sample Group: 6031945-946

Reported:

Apr 11, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl	Xylenes	
			Benzene		
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	
Analyst:	L. Huang	L. Huang	L. Huang	L. Huang	
MS/MSD					
Batch#:	6032168	6032168	6032168	6032168	
Date Prepared:	4/5/96	4/5/96	4/5/96	4/5/96	
Date Analyzed:	4/5/96	4/5/96	4/5/96	4/5/96	
strument l.D.#:	HP-11	HP-11	HP-11	HP-11	
Conc. Spiked:	20 μg/L	20 µg/L	20 μg/L	60 μg/L	
Matrix Spike					
% Recovery:	115	97	105	103	
Matrix Spike Duplicate %					
Recovery:	125	102	115	113	
Relative %					
Difference:	8.3	, 5.0	9.1	9.2	

LCS Batch#:	1LCS040596	1LCS040596	1LCS040596	1LCS040596	
Date Prepared:	4/5/96	4/5/96	4/5/96	4/5/96	
Date Analyzed:	4/5/96	4/5/96	4/5/96	4/5/96	
Instrument I.D.#:	HP-11	HP-11	HP-11	HP-11	
LCS %					
Recovery:	105	95	105	103	
% Recovery			 .		
Control Limits:	71-133	72-128	72-130	71-120	

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp 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.



2401 Stanwell Drive, Suite 400, Concord, CA 94520 Tel: (610) 602-5120 Fax: (510) 689-1918

CHAIN OF CUSTODY

SAMPLER			UNOC	AL S	760	CITY: Sala	Lorenzo	TURI						TURN AROUND TIME:	
(JOE) HO		AN	ADDRI	ESS: _	370	city: San Lewell		TPH-GAS BTEX	TPH-DIESEL	TOG	8010	78E	3		Regular
SAMPLE ID NO.	DATE	TIME	MATER	(BAIL)	СОМР	NO. OF CONT.	SAMPLING LOCATION	TP! BT	14.	F	×	7	_		
V-6	3-20.46	10:35 A.un	7			2 (40A)	wells	1				1			603 176 8A,6
U-9	"	10:15 A.m	/	/		//	//					-			6031769 ⁴
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REL	INQUISHED BY:		D	ATE/TI	ME,	RECEI	VED BY:	1. HAVE	ALL SAME	PLES RECEI	VED FOR A	NALYSIS B	EEN STORE	D ON ICE?	
ISIGNATUB U	Q .		1	20.07		(SIGNATURE)	3/20/96	-				D UNTIL A			
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ISIGNATUREI	1		1	730	•	(SIGNATURE)	35	4. WERE	SAMPLES	IN APPHO	PRIATE CO			RLY PACKAG	
ISIGNATURE)	DC.		ک. ا	-20	<u> </u>	(SIGNATURE)		SIGNA	TUILE:	Щ		1	ITLE: 34	hvucysi,	ST DATE: 3/20/96
			1			·									

M P D S Services, Inc.

2401 Stanwell Drive, Suite 400, Concord, CA 94520 Tel: (610) 602-5120 Fax: (510) 689-1918 9603388

CHAIN OF CUSTODY

SAMPLER			UNOC	AL C 2	60	CITY	r: Sau	lorenzo			TURN AROUND TIME:						
(JOE) HO	VSIA AJEMIA	N	ADDRE	:SS: _	SS: 376 Lewelling		/	TPH-GAS BTEX	TPH-DIESEL	TOG	8010					Regular	
SAMPLE ID NO.	DATE	TIME	WATER	GRAB	СОМР	NO. 0	F CONT.	LOCATION	F 80	<u>†</u>	-						
ESI	3.20.96					, ,	04		J	 							6031770
Esz												ļ	,				6031771
E53									1		<u> </u>			<u>. </u>			6031772
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1.00		<u> </u>								THE FOLLD							SAMPLES FOR ANALYSES:
RE	LINQUISHED BY:		D	ATE/TI	ME 2 5.1		RECEI	VED BY:									
(SIGNATURE)	· . k		3-	20-		ISIGNAT	UILEYE	3/20/16	-	SAMPLES							
(SIGNATURE)	Jenian.			رًا	00	(SIGNA)	TURE	<u>, </u>		ANY SAMP						•	*
ISIGNATUREI				130))	ISIGNA	TURE /	22	4. WERE SAMPLES IN APPHOPRIATE CONTAINERS AND PROPERLY PACKAGED?								
(SIGNATURE)			13-	<u> 20</u>		ISIGNA	TURE		SIGNA	TURE:	14		٦	ITLE: 🍂	warys	757	DATÉ: 3/20/96
			- 1								/ 						

M P D S Services, Inc.

2401 Stanwell Drive, Suite 400, Concord, CA 94520 Tel: (510) 602-5120 Fax: (510) 689-1918

CHAIN OF CUSTODY

9603426

SAMPLER UNOCAL S. 40 CE 12 CE								ANALYSES REQUESTED							TURN AROUND TIME:	
(JOE) HOVSIA AJEMIAN			ADDRESS: 376 Lewelling					TPH-GAS BTEX	TPH-DIESEL	TOG	8010	78E			Regular	
SAMPLE ID NO.	DATE	TIME	WATEN GRAS C	СОМР	NO, OF CONT.	SAMPLING LOCATION	TP.	H H	۲	8	5			REMARKS		
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RELINQUISHED BY: DATE/TIME				RECEIVED BY:		THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES: 1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? Yes										
isignaturei Doe Senjan			1/			(SIGNATURE)		2. WILL	2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? (C) 3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE?							
(SIGNATURE)				3-22					NO 4. WERE SAMPLES IN APPHOPRIATE CONTAINERS AND PROPERLY PACKAGED?							
(SIGNATURE)				22	BZC	(SIGNA) UTE)		Y	Yes TITLE DATE:							
(SIGNATURE)				030 1221	24 C	SIGNATURE	1	Dieug Journe Vice mendent 3/22/96								