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Alameda County Environmental Health

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TINA H. BEHRIY

Sci table 2

MPDS-UN5487-08 December 1, 1995

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 Service Station #5487 28250 Hesperian Boulevard

Hayward, California

FILE#_	5487 SS / BP	_
RPT	QMTRANSMITTAL	_
12	3 4 5 6	_ :

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. 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 The ground water flow direction during the most recent quarter is shown on the attached Figure 1.

Ground water samples were collected on November 6, 1995. sampling, the wells were each purged of between 8 and 12 gallons of water. 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. Trip blank and Field blank samples Trip blank and Field blank samples (denoted as ES-1 and ES-3 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.

ANALYTICAL RESULTS

The ground water samples were analyzed at Sequoia Analytical Laboratory accompanied by properly executed Chain of Custody documentation. The analytical results of the ground water samples collected to date are summarized in Table 2. The concentrations of Total Petroleum Hydrocarbons (TPH) as gasoline and benzene detected in

MPDS-UN5487-08 December 1, 1995 Page 2

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 the Alameda County Health Care Services Agency, and the City of Hayward Fire Department.

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

JOEL G. GREGER
No. EG 1633
CERTIFIED
ENGINEERING
GEOLOGIST

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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

/jfc

Attachments: Tables 1 & 2

Location Map Figures 1 & 2

Laboratory Analyses

Chain of Custody documentation

cc: Mr. Thomas Berkins, Kaprealian Engineering, Inc.

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TABLE 1
SUMMARY OF MONITORING DATA

Well #	Ground Water Elevation (feet)	Depth to Water (feet)◆	Total Well Depth (feet)◆	Product Thickness (feet)	Sheen	Water Purged (gallons)
			886866666	ember 6, 199		Agarrono/
	(11011)	ored and ban	pred on Nov	ember 0, 199	<i>J</i> ,	
MW1*	4.93	6.80	27.33	0		0
MW2 *	4.78	7.80	23.85	0		0
* EWM	4.79	7.20	24.46	0		0
MW4 *	4.68	6.90	24.64	0		0
MW5	4.09	6.70	24.17	0	No	12
MW6	4.31	6.87	18.07	0	No	8
	(Monit	tored and Sa	mpled on Au	gust 3, 1995)	
MW1	5.52	6.21	27.31	0	No	14.5
MW2	5.39	7.19	23.85	0	No	11.5
MW3	5.40	6.59	24.04	0	No	12
MW4	5.25	6.33	24.61	0	No	12.5
MW5	4.76	6.03	24.15	0	No	12.5
MW6	4.92	6.26	18.05	0	No	8.5
	(Mon	itored and S	Sampled on M	May 2, 1995)		
			_	_		
MW1*	6.08	5.65	27.31	0		0
MW2*	5.54	7.04	23.87	0		0
* EWM	6.29	5.70	24.03	0		0
MW4 *	6.15	5.43	24.60	0		0
MW5	5.84	4.95	24.14	0	No	13.5
MW6	6.18	5.00	18.04	0	No	9
	(Monito	ored and Sam	pled on Feb	ruary 1, 199	5)	
MWl*	6.56	5.17	27.33	0		0
MW2*	6.45	6.13	23.84	0		0
MW3*	6.44	5.55	23.96	0		0
MW4*	6.35	5.23	24.56	0		0
MW5	5.94	4.85	24.13	0	No	13.5
MW6	6.14	5.04	18.04	0	No	9
14110	O . 17	J. J.		-	=- =	_

TABLE 1 (Continued)

SUMMARY OF MONITORING DATA

Well #	Well Casing Elevation (feet)**
MW1	11.73
MW2	12.58
MW3	11.99
MW4	11.58
MW5	10.79
MW6	11.18

- ♦ The depth to water level and total well depth measurements were taken from the top of the well casings.
- * Monitored only.
- ** The elevations of the top of the well casings are relative to Mean Sea Level (MSL), per the City of Hayward Benchmark (elevation ≈ 10.97 feet MSL).
- -- Sheen determination was not performed.

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TABLE 2
SUMMARY OF LABORATORY ANALYSES
WATER

0.000,0000,0000,0000,0000,0000,0000	20.400.000.0000.000000000						
<u>Date</u>	Well #	TPH as <u>Diesel</u>		<u>Benzene</u>	<u>Toluene</u>	Ethyl- <u>benzene</u>	Xylenes
Dace	MCTT 4	DICOCI	<u> </u>	<u>Donacho</u>	10140110	<u> </u>	**************************************
11/06/95	MW1	SAMPLED	ANNUALLY				
8/03/95	MW1	-	ND	ND	ND	ND	ND
5/02/95	MW1	SAMPLED	ANNUALLY				
2/01/95	MW1	SAMPLED	ANNUALLY				
11/02/94	MW1	SAMPLED	ANNUALLY				
8/02/94	MWl		ND	ND	ND	ND	ND
8/05/93	MW1		ND	ND	ND	ND	ND
8/04/92	MW1		ND	ND	ND	ND	ND
11/07/91	MW1	- -	ND	ND	ND	ND	ND
8/02/91	MW1		ND	ND	ND	ND	ND
5/10/91	MW1		ND	ND	ND	ND	ND
2/11/91	MW1 *	N D	ND	\mathbf{N} D	ND	ND	ND
11/15/90	MW1*	ND	ND	ND	ND	ND	ND
8/29/90	MW1*	ND	ND	ND	\mathbf{N} D	ND	0.74
5/16/90	MW1*	ND	ND	ND	ND	ND	ND
2/16/90	MW1*	ND	ND	ND	ND	ND	ND
11/14/89	MW1*	ND	ND	ND	ND	ND	ND
8/16/89	MW1**	ND	ND	ND	ND	ND	ND
4/26/89	MW1*	ND	ND	2.1	ND	ND	ND
11/06/95	MW2	SAMPLED	ANNUALLY				
8/03/95	MW2		ND	ND	ND	ND	ND
5/02/95	MW2	SAMPLED	ANNUALLY				
2/01/95	MW2	SAMPLED	ANNUALLY				
11/02/94	MW2	SAMPLED	ANNUALLY	_			
8/02/94	MW2		ND	ND	ND	ND	ND
8/05/93	MW2		ND	ND	ND	ND	ND
8/04/92	MW2		ND	ND	ND	ND	ND
11/07/91	MW2		ND	ND	ND	ND	ND
8/02/91	MW2		ND	ND	ND	ND	ND
5/10/91	MW2		ND	ND	ND	ND	ND
2/11/91	MW2		ND	ND	ND	ND	ND
11/15/90	MW2		ND	ND	ND	ND	ND
8/29/90	MW2		ND	ND	ND	ND	ND
5/16/90	MW2*	ND	ND	ND	ND	ND	ND ND
2/16/90	MW2	T-	ND	ND	ND	ND ND	ND ND
11/14/89	MW2*	ND	ND	ND	ND	ND ND	ND
8/16/89	MW2 * *	ND	ND ND	nd nd	ND ND	ND ND	ND
4/26/89	MW2*	ND	ND .	MD	WD	עאו	1477

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES WATER

		TPH as	TPH as				
<u>Date</u>	Well #			<u>Benzene</u>	<u>Toluene</u>	Ethyl- ben <u>zene</u>	<u>Xylenes</u>
11/06/95	MW3	SAMPLED	ANNUALLY				
8/03/95	MW3		ND	ND	ND	ND	ND
5/02/95	EWM	SAMPLED	ANNUALLY				
2/01/95	EWM	SAMPLED	ANNUALLY				
11/02/94	MW3	SAMPLED	ANNUALLY				
8/02/94	EWM3		ND	${f N}{f D}$	ND	ND	ND
8/05/93	EWM		ND	ND	ND	ND	ND
8/04/92	MW3		ND	ND	ND	ND	ND
11/07/91	EWM		\mathbf{N} D	ND	ND	ND	ND
8/02/91	EWM		ND	\mathbf{N} D	ND	ND	ND
5/10/91	MW3		ND	ND	ND	ND	ND
2/11/91	EWM		ND	ND	ND	ND	ND
11/15/90	MM3		ND	ND	ND	ND	ND
8/29/90	WM3		ND	ND	0.52	ND	ND
5/16/90	KMM3		ND	ND	ND	ND	ND
2/16/90	EWM3		ND	ND	ND	ND	ND
11/14/89	MM3		ND	ND	ND	ND	ND
8/16/89	KMM3		ND	ND	ND	ND	ND
4/26/89	* EWM	ND	ND	ND	ND	ND	ND
11/06/95	MW4	SAMPLED	ANNUALLY	3775	3770	NID	MD
8/03/95	MW4		ND	ND	ND	ND	ND
5/02/95	MW4	SAMPLED	ANNUALLY				
2/01/95	MW4	SAMPLED	ANNUALLY				
11/02/94	MW4	SAMPLED	ANNUALLY	NIC	NID	ND	ND
8/02/94	MW4	- -	ND	ND ND	ND ND	ND	ND
8/05/93 8/04/92	MW4	~ -	ND ND	ND	ND	ND	ND
11/07/91	MW4 MW4		ND	ND	ND	ND	ND
8/02/91	MW4		ND	ND	ND	ND	ND
5/10/91	MW4		ND	ND	ND	ND	ND
2/11/91	MW4		ND	ND	ND	ND	ND
11/15/90	MW4		ND	ND	ND	ND	ND
8/29/90	MW4		ND	ND	ND	ND	ND
5/16/90	MW4		ND	ND	ND	ND	ND
2/16/90	MW4		ND	ND	ND	ND	ND
11/14/89	MW4		ND	N D	ND	ND	ND
8/16/89	MW4	- -	ND	ND	ND	ND	ND
4/26/89	MW4 *	ND	ND	0.33	ND	ND	ND
- · · -							

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES WATER

-			WATER	THES		
11/06/95 MW5 8/03/95 MW5 5/02/95 MW5 2/01/95 MW5 11/02/94 MW5 11/02/94 MW5 5/02/94 MW5 2/07/94 MW5 11/05/93 MW5 11/05/93 MW5 5/03/93 MW5 5/03/93 MW5 11/05/92 MW5 11/05/92 MW5 8/04/92 MW5 5/05/92 MW5 11/07/91 MW5 8/02/91 MW5 8/02/91 MW5 5/10/91 MW5 11/15/90 MW5 11/15/90 MW5 11/15/90 MW5 11/15/90 MW5 11/15/90 MW5 11/16/90 MW5 11/14/89 MW5 8/31/89 MW5 8/31/89 MW5		Gasol 160 ND ND 170 450 59 170 180 110 530 260 77 120 80 170 120 700 100 ND 58 ND ND 58 ND ND 73 910	80 12 7.5 11 73 16 38 22 12 210 35 5.0 16 13 45 20 43 43 ND 23 ND 0.70 310 ND 4.7	De Tolue 7 ND 0.51 ND 0.51 ND 0.62 ND N	Ethy benze 7.4 0.70 1.2 2.4 6.2 2.4 8.5 6.4 2.3 1.2 3.5 4.5 9.0 4.4 29 12 ND 2.9 ND 0.57 70 ND 0.57 70 ND	<u>Xylenes</u>
2/16/90 MW5 11/14/89 MW5 8/31/89 MW5	 ND	1,100 ND 73	310 ND	ND 2.8 ND	0.57 70	0.47 1.1 110

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES WATER

<u>Date</u>	Well #	TPH as <u>Diesel</u>	TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	Ethyl- <u>benzene</u>	<u>Xylenes</u>
11/06/95	MW6▼▼		210	17	0.66	14	37
8/03/95	MW6		ND	0.76	ND	ND	ND
5/02/95	MW6	- -	ND	5.7	ND	0.81	1.1
2/01/95	MW6		340	26	0.77	2.6	7.0
11/02/94	MW6		840	30	2.5	26	5 7
8/02/94	MW6		220	13	1.0	12	28
5/02/94	MW6	- ~	440◆	20	4.2	11	26
2/07/94	MW6		1,100	130	14	13	130
11/05/93	MW6	-~	100	1.8	ND	0.79	2.2
8/05/93	MW6	-~	230	25	1.6	12	29
5/03/93	MW6	- -	520	47	2.6	33	48
2/02/93	MW6		400♦	66	5.5	32	13
11/05/92	MW6	- -	300	16	2.3	14	14
8/04/92	MW6		540	12	7.9	35	110
5/10/91	MWD▲		ND	ND	ND	ND	ND

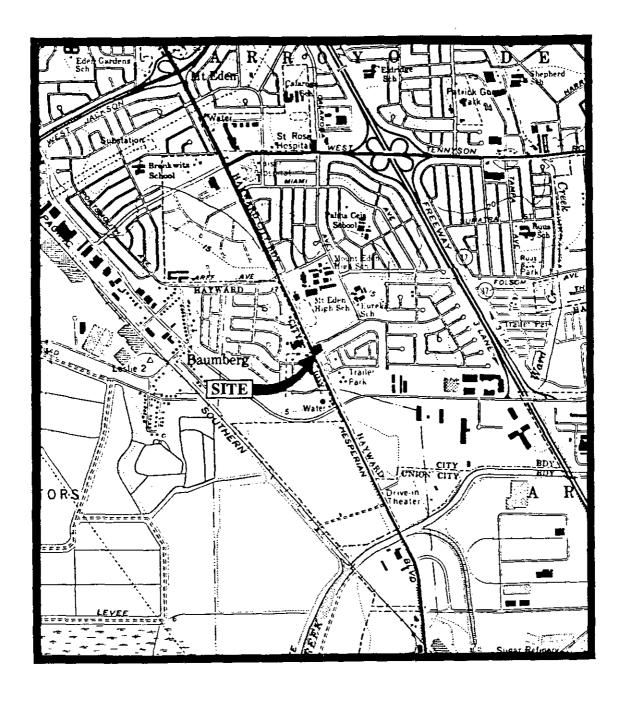
- ♦ Sequoia Analytical Laboratory reported that the hydrocarbons detected appear to be a gasoline and non-gasoline mixture.
- ▲ MWD was a quality assurance duplicate water sample collected from well MW5.
- ▼ Methyl tert butyl ether (MTBE) was detected at a concentration of 120 $\mu g/L$.
- **vv** Methyl tert butyl ether (MTBE) was detected at a concentration of 130 μ g/L.
- * Total Oil & Grease and all EPA method 8010 constituents were non-detectable.
- ** TOG for the samples collected from MW1 and MW2 were 23 milligrams per liter (mg/L) and 7.4 mg/L, respectively. All EPA method 8010 constituents were non-detectable for both samples.

ND = Non-detectable.

-- Indicates that analysis was not performed.

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

Note: Laboratory analyses data prior to February 7, 1994, were provided by Kaprealian Engineering, Inc.



Base modified from 7.5 minute U.S.G.S. Hayward & Newark Quadrangles (both photorevised 1980)

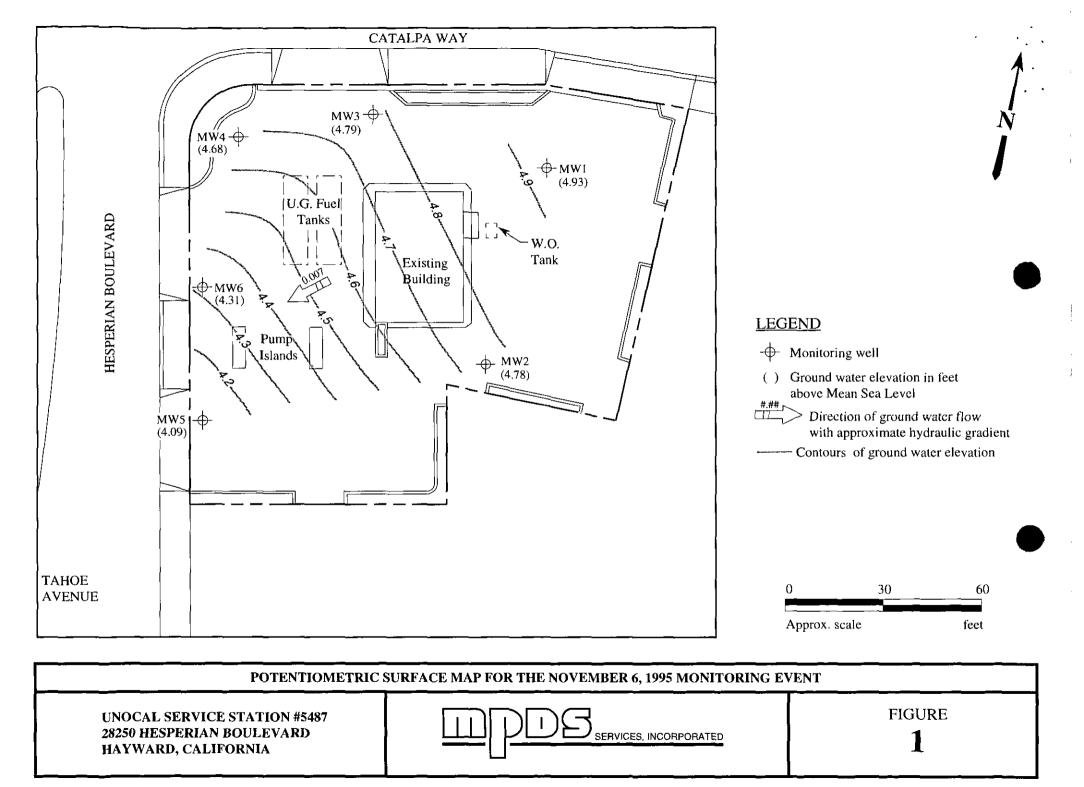
O 2000 4000

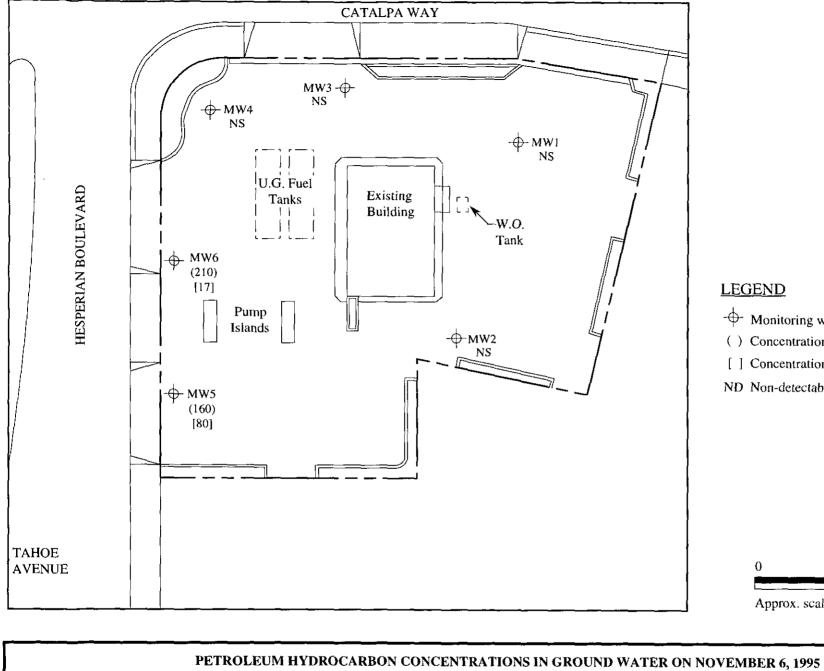
Approx. scale feet



UNOCAL SERVICE STATION #5487 28250 HESPERIAN BOULEVARD HAYWARD, CALIFORNIA

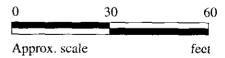
LOCATION MAP







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



UNOCAL SERVICE STATION #5487 28250 HESPERIAN BOULEVARD HAYWARD, CALIFORNIA



FIGURE



80 Chesapeake Drive 404 N. Wiget Lane 819 Striker Avenue, Suite 8 Sacramento, CA 95834

Redwood City, CA 94065 Walnut Creek, CA 94598

(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 #5487, 28250 Hesperian, Hayward

Water

Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 511-0544

Sampled: Received:

Reported:

Nav 6, 1995

Nov 6, 1995 Nov 22, 1995

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
511-0544	MW 5	160	80	ND	7.4	10
511-0545	MW 6	210	17	0.66	14	37
511-0546	ES 1	ND	ND	ND	ND	ND
511-0547	ES 3	ND	ND	1.9	ND	0.58

	Detection Limits:	50	0.50	0.50	0.50	0.50	
--	-------------------	----	------	------	------	------	-------------

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**







(415) 364-9600 Redwood City, CA 9406 Walnut Creek, CA 94598 (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 #5487, 28250 Hesperian, Hayward

Water EPA 5030/8015 Mod./8020

First Sample #: 511-0544

Sampled: Nov 6, 1995 Received: Nov 6, 1995

Reported: Nov 22, 1995

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
511-0544	MW 5	Gasoline	1.0	11/17/95	HP-9	96
511-0545	MW 6	Gasoline	1.0	11/17/95	HP-9	83
511-0546	ES 1		1.0	11/17/95	HP-9	95
511-0547	ES 3		1.0	11/17/95	HP-9	92

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp Project Manager



80 Chesapeake Drive 404 N. Wiget Lane 819 Striker Avenue, Suite 8 Sacramento, CA 95834

Redwood City, CA 9406 (415) 364-9600 Walnut Creek, CA 94598 (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: Sample Descript:

Unocal #5487, 28250 Hesperian, Hayward Water

Analysis for: MTBE (Modified EPA 8020) First Sample #: 511-0544

Sampled: Nov 6, 1995 Nov 6, 1995 Received:

Analyzed: Reported:

Nov 17, 1995 Nov 22, 1995

LABORATORY ANALYSIS FOR:

MTBE (Modified EPA 8020)

Sample Number	Sample Description	Detection Limit μg/L	Sample Result $\mu \mathrm{g}/\mathrm{L}$
511-0544	MW 5	0.60	120
511-0545	MW 6	0.60	130

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

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp Project Manager





580 Chesapeake Drive 404 N. Wiget Lane 819 Striker Avenue, Suite 8

Redwood City, CA 9406 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:

roject ID: Unocal #5487, 28250 Hesperian, Hayward

Matrix: Liquid

QC Sample Group: 5110544-45

Reported:

Nov 22, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Talvasa			
AMALTIE	Delitelië	Toluene	Ethyl	Xylenes	
			Benzene		
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	
Analyst:	M. Creusere	M. Creusere	M. Creusere	M. Creusere	
					
MS/MSD					
Batch#:	5110546	5110546	5110546	5110546	
Date Prepared:	11/17/95	11/17/95	11/17/95	11/17/95	
Date Analyzed:	11/17/95	11/17/95	11/17/95	11/17/95	
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9	
Conc. Spiked:	$20\mu\mathrm{g/L}$	20 μg/L	20 μg/L	60 μg/L	
Matrix Spike					
% Recovery:	90	95	95	107	
70 (1000)01	50	33	95	107	
Matrix Spike					
Duplicate %					
Recovery:	90	95	95	107	
Relative %					
Difference:	0.0	0.0	0.0	0.0	
Dinerence.	0.0	0.0	0.0	0.0	
LCS Batch#:	4LCS111795	4LCS111795	4LCS111795	4LCS111795	
Data Duamanada					
Date Prepared:	11/17/95	11/17/95	11/17/95	11/17/95	
Date Analyzed:	11/17/95	11/17/95	11/17/95	11/17/95	
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9	
LCS %					
Recovery:	88	91	91	102	
% 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.



CHAIN OF CUSTODY

9511145

Concord, California 94520 Tel: (510) 602-5100, Fax: (510) 689-1918 ANALYSES REQUESTED UNOCAL 548) SAMPLER TURN AROUND TIME: RAY MARANGOSIAN TPH-GAS BTEX TPH-DIESEL WITNESSING AGENCY 8010 SAMPLING LOCATION COMP NO. OF CONT. TIME WATER GRAB DATE SAMPLE ID NO. 5110544ABX 5110545ha X MWC THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES: RECEIVED BY: DATE/TIME RELINQUISHED BY: 1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? 2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? (SIGNATURE) (SIGNATURE) 1330 DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? SIGNATURE) (SIGNATURE) 1530 A 4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? (SIGNATURE) TITLE: SIGNATURE (SIGNATURE) (SIGNATURE)

Note: All water containers to be sampled for TPHG/BTEX, 8010 & 8240 are preserved with HCL. All water containers to be sampled for Lead or Metals are preserved with HN03. All other containers are processived.

CHAIN OF CUSTODY

SERVICES, INCORPORATED

2401 Stanwell Drive, Suite 400

Concord, California 94520

Tel: (510) 602-5100, Fax: (510) 689-1918

SAMPLER				SIS # 5487 CITY: Hayward						TURN AROUND TIME:							
RAY MARANGOSIAN WITNESSING AGENCY			ADDRESS: 28250 Herpia					TPH-GAS BTEX	TPH- DIESEL	TOG	10					REGUM	
SAMPLE ID NO.	DATE	TIME	WATER	GRAB	СОМР	NO. OF CONT.	SAMPLING LOCATION	TF B1	II I	TC	8010					REMARKS	
ES	11.6,55		ĸ	Y		1		X		511	0546						
ES3	ų		<u></u>	4		1		×		5	110	347					
												·			 		
		,															
							! 										
RELINQUISHED BY: DATEIT							TE/TIME										
Key Marayongu 12:			15	5///				16/45	2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED?								
ISIGNATURE 11-7-9		5	5 ISIGNATURE				1330										
(SIGNATURE)			(SIGNATURE)				2018	DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE?									
(SIGNATURE)			(SIGNATURE)					4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED?									
(SIGNATURE)			(SIGNATURE)					SIGNATURE: DATE:									

Note: All water containers to be sampled for TPHG/BTEX, 8010 & 8240 are preserved with HCL. All water containers to be sampled for Lead or Metals are preserved with HN03. All other containers are unpreserved.