

ENVIRONMENTAL PROTECTION 96 OCT -4 PM 4: 12

reed to get appeate @ nite



October 3, 1996

Alameda County Health Care Services 1131 Harbor Bay Parkway Alameda, CA 94502

RE:

Unocal Service Station #5043

449 Hegenberger Road

Oakland, California

94621

Per the request of the Unocal Corporation Project Manager, Mr. David B. DeWitt, enclosed please find our report (MPDS-UN5043-08) dated August 16, 1995 for the above referenced site.

Should you have any questions regarding the reporting of data, please feel free to call our office at (510) 602-5120. Any other questions may be directed to the Project Manager at (510) 277-2384.

Sincerely,

MPDS Services, Inc.

Jarrel F. Crider

/dr

Enclosure

cc: Mr. David B. DeWitt



MPDS-UN5043-08 August 16, 1996

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

Attention: Mr. David B. De Witt

RE: Quarterly Data Report

Unocal Service Station #5043 449 Hegenberger Road Oakland, California

Dear Mr. De Witt:

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 Table 1. The ground water elevations during the most recent quarter are shown on the attached Figure 1.

Ground water samples were collected on July 26, 1996. Prior to sampling, the wells were purged of between 6 and 8 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. Field blank, Trip blank and Equipment blank samples (denoted as ES-1, ES-2 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 and were 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, TPH as diesel, 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.

MPDS-UN5043-08 August 16, 1996 Page 2

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.

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

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 8/31/98

/jfc

Attachments: Tables 1 & 2

Location Map Figures 1 & 2

Laboratory Analyses

Chain of Custody documentation

cc: Mr. Robert H. Kezerian, Kaprealian Engineering, Inc.

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)
		(Monitored	and Purged on A	ugust 14, 1996)		÷
MW6	5.51†	3.61	*	0.33	N/A	0[13 oz.]
		(Monitored	and Purged on A	ugust 6, 1996)		
MW6	5.35†	3.75	*	0.30	N/A	0[10 oz.]
		(Monitored	and Purged on J	uly 31, 1996)		
MW6	5.68†	3.65	*	0.60	N/A	0[16 oz.]
		(Monitored a	and Sampled on J	July 26, 1996)	-	·
4W 3	WELL WAS INAC	CCESSIBLE (F	ILLED WITH DI	RT)		
AW6	5.03†	6.40	12.85	3.33	N/A	0[2.1 gal.]
MW9	8.01	0.28	11.97	0	No	8
MW10	4.54	4.08	12.79	0	No	6

(Monitored and Sampled on August 17, 1995)

MW3 MW6	WELL WAS INA WELL WAS INA	•	ILLED WITH DIA	RT)		
MW9	6.80	1.49	12.01	0	No	7.5
MW10	4.57	4.05	12.79	0	No	6
		(Monitored a	and Sampled on M	May 18, 1995)		
MW1	WELL DESTRO	YED IN MARC	Н 1995			
MW2	WELL DESTRO	YED IN MARC	H 1995			
MW3	2.86	4.56	14.03	0	No	7
MW6	WELL WAS INA	CCESSIBLE				
MW9	4.82	3.47	13.02	0	No	7
MW10	3.70	4.92	13.23	0	No	6

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)
	(Monitored an	d Sampled on Fel	bruary 21, 1 995)		
MW1*	5.87†	1.53	12.65	0.02	N/A	25[<1 oz.]
MW2	6.93	1.65	14.34	0	No	29
MW3	5.61	1.81	14.03	0	No	8.5
MW4	WELL DESTROY	ED IN JANUA	ARY 1995			
MW5	WELL DESTROY	ED IN JANUA	ARY 1995			
MW6	5.67	3.20	13.75	0	No	7.5
MW9	6.31	1.98	13.02	0	No	8
MW10	3 93	4 69	13.24	0	No	6

Table 1Summary of Monitoring Data

	Well Casing
	Elevation
Well#	(feet)**
MW1	7.38
MW2	8.58
MW3	7.42
MW6	8.87
MW9	8.29
MW10	8.62

- 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 Oakland Benchmark #3880 (elevation = 20.37 feet MSL).
- \dagger The ground water elevation was corrected for the presence of free product (correction factor = 0.77).
- ★ Total well depth was not measured.
- [x] Amount of product purged.
- Sheen determination was not performed.

N/A = Not applicable.

Table 2
Summary of Laboratory Analyses
Water

TT . TO		TPH as	TPH as			Ethyl-	
Well#	Date	Diesel	Gasoline	Benzene	Tolnene	Benzene	Xylenes
MW1	2/18/92	13,000	150,000	17,000	26,000	5,200	26,000
	5/20/92	NOT SAMPL	ED DUE TO TI		•	· · · · · · · · · · · · · · · · · · ·	·
	8/31/92	8,900†	64,000	13,000	12,000	2,500	22,000
	11/30/92	NOT SAMPL	ED DUE TO TI	•	E OF FREE PR		ŕ
	2/4/93	NOT SAMPL	ED DUE TO TI	HE PRESENC	E OF FREE PR	RODUCT	
	5/4/93	NOT SAMPL	ED DUE TO TI	HE PRESENC	E OF FREE PR	RODUCT	
	8/4/93	NOT SAMPL	ED DUE TO TI	HE PRESENC	E OF FREE PR	RODUCT	
	11/3/93	NOT SAMPL	ED DUE TO TI	HE PRESENC	E OF FREE PR	RODUCT	
	2/7/94		ED DUE TO TI				
	5/19/94	NOT SAMPL	ED DUE TO TI	HE PRESENC	E OF FREE PR	RODUCT	
	8/15/94	NOT SAMPL	ED DUE TO TI	HE PRESENC	E OF FREE PR	RODUCT	
	11/14/94	NOT SAMPL	ED DUE TO TI	HE PRESENC	E OF FREE PR	RODUCT	
	2/21/95	NOT SAMPL	ED DUE TO TI	HE PRESENC	E OF FREE PR	RODUCT	
	5/18/95	WELL DESTI	ROYED IN MA	RCH 1995			
MW2	2/18/92	4,300	29,000	1,000	5,300	260	7,900
	5/20/92	4,300†	24,000	2,200	7,600	630	11,000
	8/31/92	1,600†	9,000	1,800	640	140	2,000
	11/30/92	5,700†	29,000	2,000	3,400	1,200	6,900
	2/4/93	6,100†	18,000	1,600	3,000	ND	6,900
	5/4/93	7,100†	63,000	3,200	17,000	470	17,000
	8/4/93	1,800††	45,000	2,100	6,600	1,400	12,000
	11/3/93	2,600††	72,000	3,700	16,000	3,700	20,000
	2/7/94	NOT SAMPL	ED DUE TO TH	HE PRESENC	E OF FREE PR	RODUCT	
	5/19/94	3,000††	42,000	2,500	1,300	2,300	13,000
	8/15/94	2,800††	35,000	2,400	850	1,700	15,000
	11/14/94	10,000†	43,000	2,200	6,500	1,800	14,000
	2/21/95	2,000††	44,000	2,200	3,200	1,300	1,500
	5/18/95	WELL DESTI	ROYED IN MA	RCH 1995			
MW3	2/18/92	ND	230	4.8	22	1.8	33
	5/20/92	WELL WAS I	NACCESSIBLE				
	8/31/92	92††	210**	1	ND	ND	ND
	11/30/92	94	790**	ND	ND	ND	ND
	2/4/93	550††	3,300	320	ND	96	6.1
	5/4/93	250††	1,800*	95	ND	ND	ND
	8/4/93	100	210**	ND	ND	ND	ND
	11/3/93	160	640**	ND	ND	ND	ND
	2/7/94	620††	2,700	110	ND	17	ND
	5/19/94	480††	1,800	83	ND	6.2	9.1
	8/15/94	110††	130	1.1	0.54	ND	0.97
	11/14/94	150††	1,600**	ND	ND	ND	ND

Table 2
Summary of Laboratory Analyses
Water

Well#	Date	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylones
MW3	2/21/95	850††	3,800	350	ND	130	22
(Cont.)	5/18/95	150†	1,300*	42	ND	ND	ND
	8/17/95	WELL WAS I	NACCESSIBLE	(FILLED WI	TH DIRT)		•
	7/26/96		NACCESSIBLE				
MW4	8/31/92	90††	240**	ND	ND	ND	0.54
	11/30/92	61	420**	ND	ND	ND	ND
	2/4/93	ND	ND	ND	ND	ND	ND
	5/4/93	ND	110*	0.95	ND	ND	ND
	8/4/93	81	250**	ND	3.5	ND	4.1
	11/3/93	68	130**	ND	ND	ND	ND
	2/7/94	ND	56**	ND	ND	ND	ND
	5/19/94	90††	140**	ND	ND	ND	ND
	8/15/94	72††	59**	ND	0.6	ND	ND
	11/14/94	ND	130**	ND	ND	ND	ND
	2/21/95		ROYED IN JAN				
MW5	8/31/92	690†	7 8	0.89	ND	ND	13
	11/30/92‡	470††	930	70	290	0.79	14
	2/4/93‡	5,500††	5,700	38	ND	620	170
	5/4/93‡	4,600†	7,400	41	ND	1,000	35
	8/4/93‡	970††	1,500	130	1	460	11
	11/3/93	2,100††	13,000	350	ND	3,500	530
	2/7/94	830††	2,000	87	ND	370	110
	5/19/94	600††	260	44	ND	32	4.1
	8/15/94	860††	1,600	110	ND	340	72
	11/14/94	290†	250	40	ND	ND	5
	2/21/95		ROYED IN JAN				
MW6	8/31/92	750††	ND	ND	ND	ND	ND
	11/30/92	1,400†	9,200	550	ND	740	1,600
	2/4/93	890††	3,600	340	ND	290	550
	5/4/93	1,800†	4,900	360	18	450	430
	8/4/93	1,100††	3,400	390	ND	440	190
	11/3/93	390††	1,400	320	ND	200	7.7
	2/7/94	970††	4,900	650	ND	250	35
	5/19/94	1,400††	3,600	300	1.7	210	41
	8/15/94	790††	1,300	130	6.7	54	57
	11/14/94	800††	730	50	ND	ND	39
	2/21/95	730††	2,000	250	4.6	25	30
	5/18/95	WELL WAS I	NACCESSIBLE				
	8/17/95		NACCESSIBLE		ER)		
	7/26/96	NOT SAMPLI				ODUCT	•

Table 2
Summary of Laboratory Analyses
Water

Well#	Date	TPH as Diesel	TPH as Gasoline	Benzene	Tolnene	Ethyl- Benzene	Xvienes
	0.01.05	7144	70++	ND	ND	NIS	ND
MW9	2/21/95 5/18/95	71†† ND	70** 52	ND ND	ND 1.1	ND ND	ND 1.9
	8/17/95	ND	ND	ND	ND	ND	ND
	7/26/96★	98	ND	ND	ND	ND	ND
MW10	2/21/95	270††	1,500	250	26	9.1	160
	5/18/95	75†	810	520	ND	18	23
	8/17/95	ND	67	25	ND	2.4	ND
	7/26/96 ★	ND	ND	3.7	ND	ND	ND

- † Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be diesel.
- †† Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
- * Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- ** Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.
- **★** MTBE was non-detectable.
- ‡ Total Oil & Grease was non-detectable.

MTBE = Methyl tert butyl ether.

ND = Non-detectable.

Results are in micrograms per liter (µg/L), unless otherwise indicated.

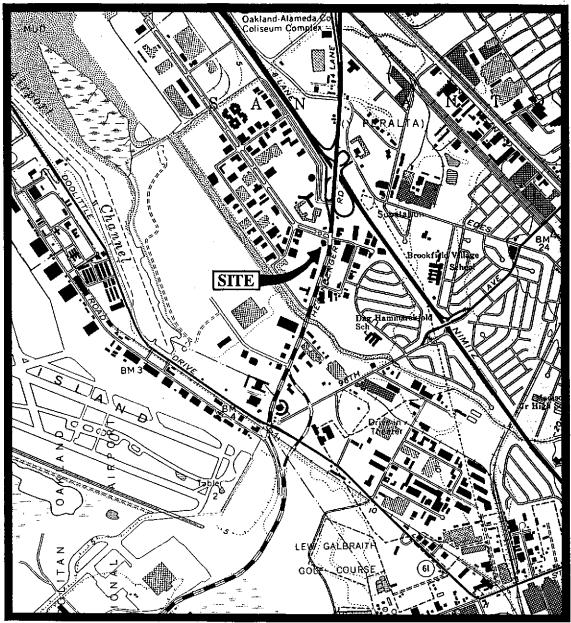
Note:

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 quantificiation range used by Sequoia Analytical Laboratory is C6 - C12.

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



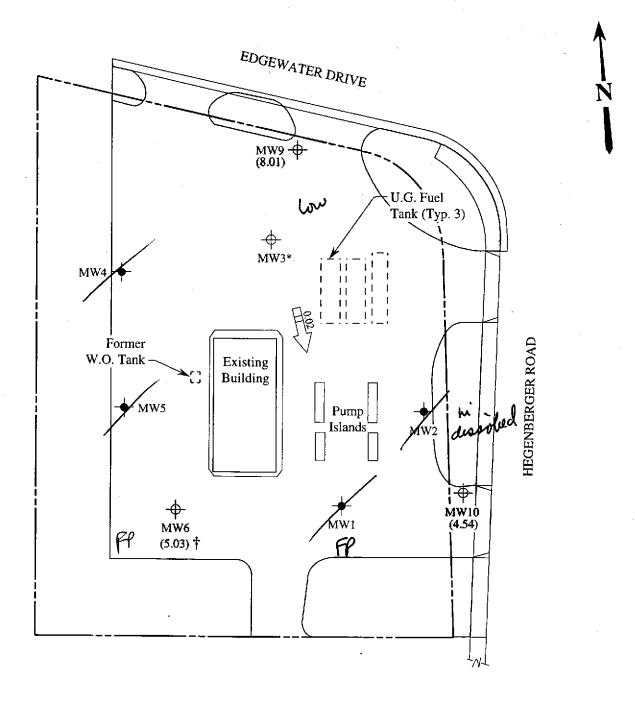


Base modified from 7.5 minute U.S.G.S. San Leandor Quadrangle (photorevised 1980)

0 2000 4000
Approx. scale feet



UNOCAL SERVICE STATION #5043 449 HEGENBERGER ROAD OAKLAND, CALIFORNIA LOCATION MAP



LEGEND

Monitoring well (existing)

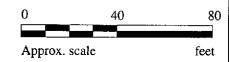
Monitoring well (destroyed)

() Ground water elevation in feet above Mean Sea Level

> Direction of ground water flow with approximate hydraulic gradient

* Well was inaccessible; filled with dirt

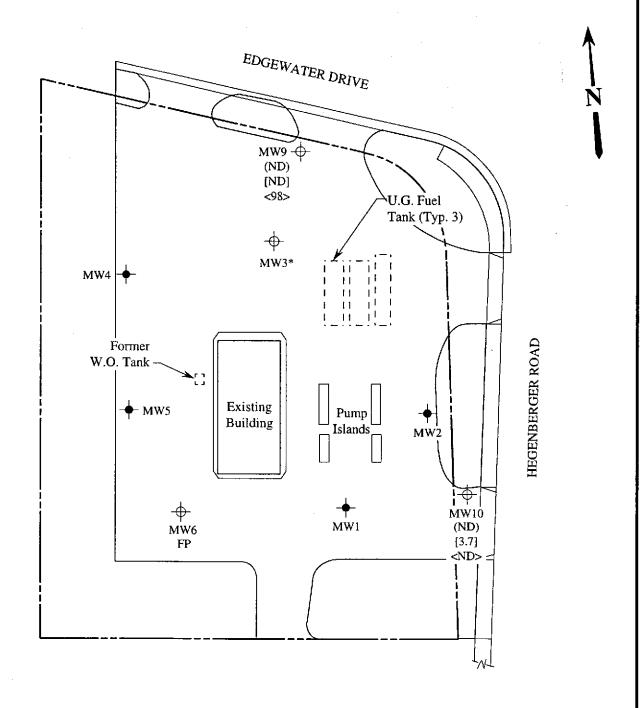
† Ground water elevation was corrected due to the presence of free product.



GROUND WATER ELEVATION MAP FOR THE JULY 26, 1996 MONITORING EVENT

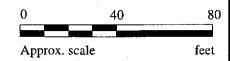


UNOCAL SERVICE STATION #5043 449 HEGENBERGER ROAD OAKLAND, CALIFORNIA FIGURE



LEGEND

- Monitoring well (existing)
- ♦ Monitoring well (destroyed)
- () Concentrations of TPH as gasoline in $\mu\text{g/L}$
- [] Concentrations of benzene in µg/L
- < > Concentrations of TPH as diesel in μg/L
- ND Non-detectable, FP Free product
 - * Well was inaccessible; filled with dirt



PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON JULY 26, 1996



UNOCAL SERVICE STATION #5043 449 HEGENBERGER ROAD OAKLAND, 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

Matrix Descript: Analysis Method:

Client Project ID: Unocal #5043, 449 Herenherger Pd Oaldand Water

Sampled: Received: Jul 26, 1996 Jul 26, 1996

First Sample #:

EPA 5030/8015 Mod./8020 607-1901

Reported:

Aug 12, 1996

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
607-1901	MW-9	ND	ND	ND	ND	ND	ND
607-1902	MW-10	ND	3.7	ND	ND	ND	ND
607-1903	ES1	ND	ND	ND	ND	ND	
607-1904	E\$2	ND	ND	ND	ND	ND	

	_					
I Detection Limits:	EΛ	0.50	0 E0	0.50	0 E0	40
Detection Limits.	ου	0.50	ບ.ວບ	บ.อบ	บ.อบ	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

Client Project ID: Matrix Descript:

Unocal #5043, 449 Hegenberger Rd, Oakland Water

Sampled: Jul 26, 1996 Jul 26, 1996

Analysis Method: Attention: Jarrel Crider First Sample #:

EPA 5030/8015 Mod./8020 607-1901

Received: Reported:

Aug 12, 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
607-1901	MW-9	~~	1.0	08/07/96	HP-11	88
607-1902	MW-10		1.0	08/07/96	HP-11	88
607-1903	ES1		1.0	08/07/96	HP-11	87
607-1904	E\$2	u _	1.0	08/07/96	HP-11	90

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

Client Project ID:

Unocal #5043, 449 Hegenberger Rd, Oakland

Sampled:

Jul 26, 1996 Jul 26, 1996

Attention: Jarrel Crider

Sample Matrix: Analysis Method:

EPA 3510/8015 Mod.

Received: Reported:

Aug 12, 1996

First Sample #:

607-1901

Water

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit μg/L	Sample I.D. 607-1901 MW-9	Sample I.D. 607-1902 MW-10		
Extractable Hydrocarbons	50	98	N.D.		
Chromatogram Pa	ttern:	Diesel	- -		

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Extracted:	7/29/96	7/29/96
Date Analyzed:	7/30/96	7/30/96
Instrument Identification:	НР3В	НРЗВ

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

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 #5043, 449 Hegenberger Rd, Oakland

Matrix: Liquid

QC Sample Group: 6071901-904

Reported: Aug 12, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl	Xylenes	Diesel	
AUACITE	Delizente	Tolublic	Benzene	Ayleries	Diesei	
			Delizelle			
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015	
Analyst:	S. Chullakorn	S. Chullakorn	S. Chullakorn	S. Chullakorn	J. Dinsay	
MS/MSD						
Batch#:	6071993	6071993	6071993	6071993	BLK072996	
Date Prepared:	8/7/96	8/7/96	8/7/96	8/7/96	7/29/96	
Date Analyzed:	8/7/96	8/7/96	8/7/96	8/7/96	7/30/96	
instrument l.D.#:	HP-11	HP-11	HP-11	HP-11	GCHP-3A	
Conc. Spiked:	20 μg/L	20 μg/L	20 μg/L	60 μg/L	300 ppb	
Matrix Spike						
% Recovery:	100	100	90	87	100	
Matrix Spike						
Duplicate %						
Recovery:	115	115	105	102	93	
nessvery.	115	710	105	102	30	
Relative %						
Difference:	14	14	15	16	6.9	
***************************************	***************************************		0.000.000.000.000.000.000.000.000.000			
LCS Batch#:	11LC\$080796	11LCS080796	111 CS080706	11LCS080796	LCS072996	
200 201011//	11200000750	7120000700	1720000730	11200000100	2000, 2000	
Date Prepared:	8/7/96	8/7/96	8/7/96	8/7/96	7/29/96	
Date Analyzed:	8/7/96	8/7/96	8/7/96	8/7/96	7/30/96	
Instrument I.D.#:	HP-11	HP-11	HP-11	HP-11	GCHP-3A	
LCS %						
Recovery:	110	95	105	102	93	
Hecovery.	110	90	103	102	33	
% Recovery						
Control Limits:	70-130	70-130	70-130	70-130	50-150	

Please Note:

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp Project Manager 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.



SERVICES, INCORPORATED

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: (510) 602-5100, Fax: (510) 689-1918

CHAIN OF CUSTODY

ANALYSES REQUESTED SAMPLER UNOCAL TURN AROUND TIME: S/S # 5043 CITY: OAK(AND STEVE BALIAN TPH-GAS TPH-DIESEL 4 REGULAR ADDRESS: 449 HEGENBERGER ROAD MIB WITNESSING AGENCY BTEX TOG 8010 SAMPLING REMARKS DATE TIME COMP LOCATION WATER GRAB NO. OF CONT. SAMPLE ID NO. 7-26-96 16:20 X 5 60**71901** MW_ WELL 11 6071902 17:00 RELINQUISHED BY: DATE/TIME RECEIVED BY: DATE/TIME THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES: 18:40 1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? 7-26-96 STEVE 2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? **ISIGNATURE)** (SIGNATURE) 3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? ISIGNATURE (SIGNATURE) 4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? (SIGNATURE) (SIGNATURE) (SIGNATURE) DATE:

te: All water containers to be sampled for TPHG/8TEX, 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.

CHAIN OF CUSTODY

SERVICES, INCORPORATED

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: (510) 602-5100, Fax: (510) 689-1918

ANALYSES REQUESTED SAMPLER UNOCAL TURN AROUND TIME S/S # 5043 CITY: OAKLAND TPH-GAS BTEX STEVE BALIAN REGULAR TPH-DIESEL ADDRESS: 449 HEGENBERGER Rd. WITNESSING AGENCY TOG SAMPLING REMARKS LOCATION TIME NO. OF CONT. DATE WATER GRAB SAMPLE ID NO. 7-26-96 ESI 6071903 X 6071904 ES2 THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES: DATE/TIME RECEIVED BY: DATE/TIME RELINQUISHED BY: 18:40 1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? 7-26-96 STEVE BALIAN 2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? (SIGNATURE) (SIGNATURE) 3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? (SIGNATURE) (SIGNATURE) 4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? (SIGNATURE) (SIGNATURE) 18.40 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 unpreserved.