GETTLER-RYAN INC.

TRANSMITTAL

TO: Mr. Scott Seery
Alameda County Health Care
Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502

DATE: March 6, 1998
G-R #: 180075

FROM: Deanna L. Harding
Project Manager
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Tosco (Unocal) SS #7376
4191 First Street
Pleasanton, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	February 20, 1998	Groundwater Monitoring and Sampling Report Fourth Quarter 1997 - December 15, 1997

COMMENTS:

At the request of Tosco Marketing Company, we are providing you a copy of the above referenced report. The site is monitored and sampled on a quarterly basis in March, June, September, December. If you have questions please contact the Tosco Project Manager, Ms. Tina R. Berry at (510) 277-2321.

Enclosure

cc: Mr. Dave Vossler, Gettler-Ryan Inc., Novato, CA 94945

agency/6436trb.qmt

Tosco Marketing Company
2000 Crow Canyon Place, Ste. 400
San Ramon, California 94583
Telephone: 510-277-2305
Facsimile: 510-277-2361

Environmental Compliance
Department

TOSCO

To All Concerned:

The Environmental Compliance Group (San Ramon, CA Office) of Tosco Marketing Company (TMC) would like to provide information concerning the shifting of environmental projects from Kaprealian Engineering, Incorporated and MPDS Services, Incorporated of Concord, CA.

- Projects (monitoring and sampling) and assets formerly with MPDS Services, Inc. have been purchased by Gettler-Ryan, Inc. (GRI) of Dublin, CA. GRI will continue to provide the same services to the Tosco Marketing Company . This transaction was effective January 1, 1998.
- Environmental projects formerly with Kaprealian Engineering, Inc. (KEI) have been transferred to GRI, effective January 1, 1998.
- It is TMC's understanding that the original environmental consulting portion of Gettler-Ryan, the subsidiary known as GeoStrategies, has been dissolved (effective January 1, 1998) and all work will be completed through Gettler-Ryan, Inc.
- Gettler-Ryan, Inc. has been a consultant for TMC in the past and we do not anticipate problems with continuity of the environmental projects.

Should there be questions, please feel free to call:

David Camille 510-277-2335
Tina Berry 510-277-2321
Ed Ralston 510-277-2335
Dave De Witt 510-277-2384

GETTLER-RYAN INC.

February 20, 1998
G-R Job #180075

Ms. Tina R. Berry
Tosco Marketing Company
2000 Crow Canyon Place, Suite 200
San Ramon, California 94583

RE: Fourth Quarter 1997 Groundwater Monitoring & Sampling Report
Unocal Service Station #7376
4191 First Street
Pleasanton, California

Dear Ms. Berry:

This report documents the quarterly groundwater monitoring and sampling event performed by MPDS Services, Inc. On December 15, 1997, MPDS field personnel monitored six wells (MW1, MW2B and MW3 through MW6) and sampled five wells (MW1, MW2B, MW3, MW4, and MW6) at the referenced site.

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. **Separate-phase hydrocarbons were present in one well (MW5).** Static water level data and groundwater elevations are summarized in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Table 2, and a Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

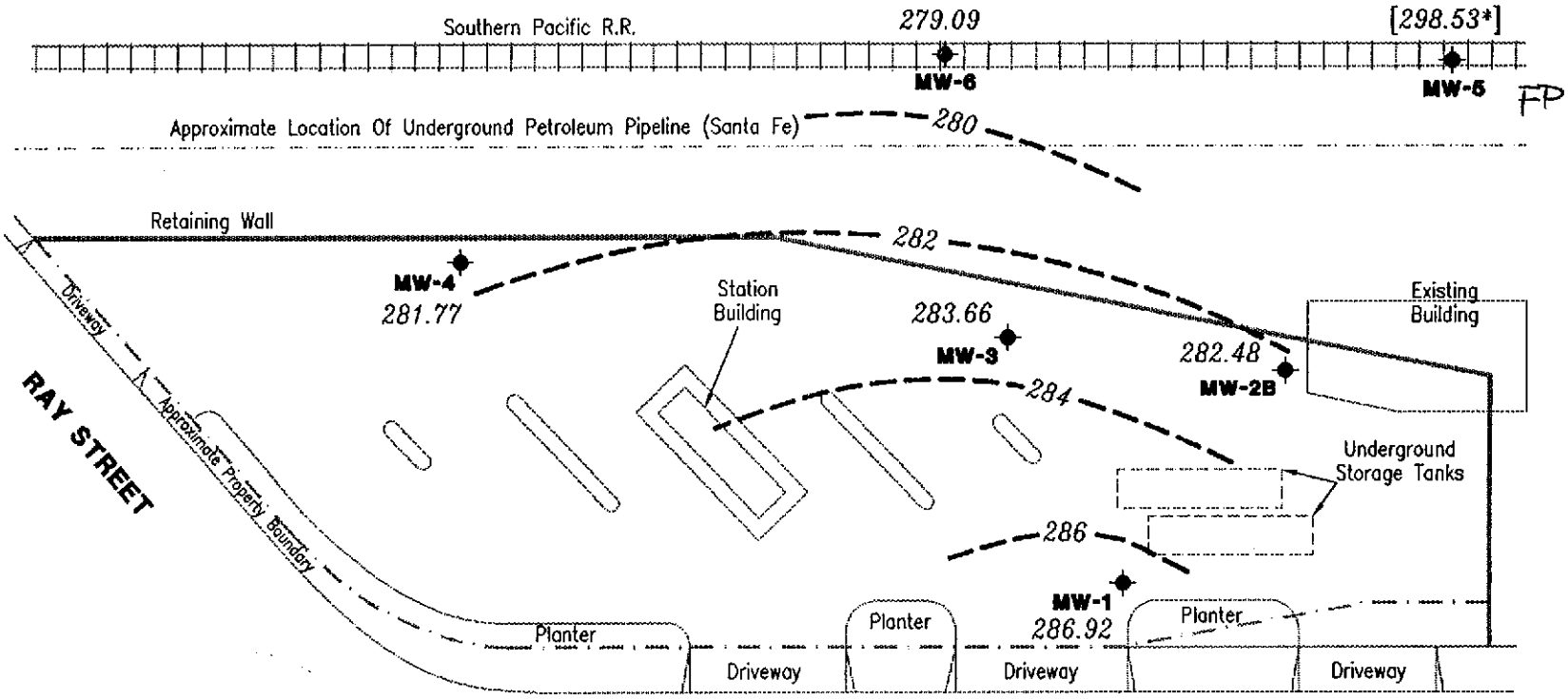
Sincerely,

Deanna L. Harding
Project Manager

Hagop Kevork, P.E.
Senior Staff Engineer, P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/00
CIVIL
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Summary of Monitoring Data
Table 2: Summary of Laboratory Analyses
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



EXPLANATION

- ✦ Groundwater monitoring well
- *99.99* Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred.
- [*99.99*] Not used in contouring
- * Groundwater elevation corrected for the presence of free-phase hydrocarbons

FIRST STREET

Approximate groundwater flow direction at a gradient of 0.1 Ft./Ft.

N

0 40

Scale in Feet

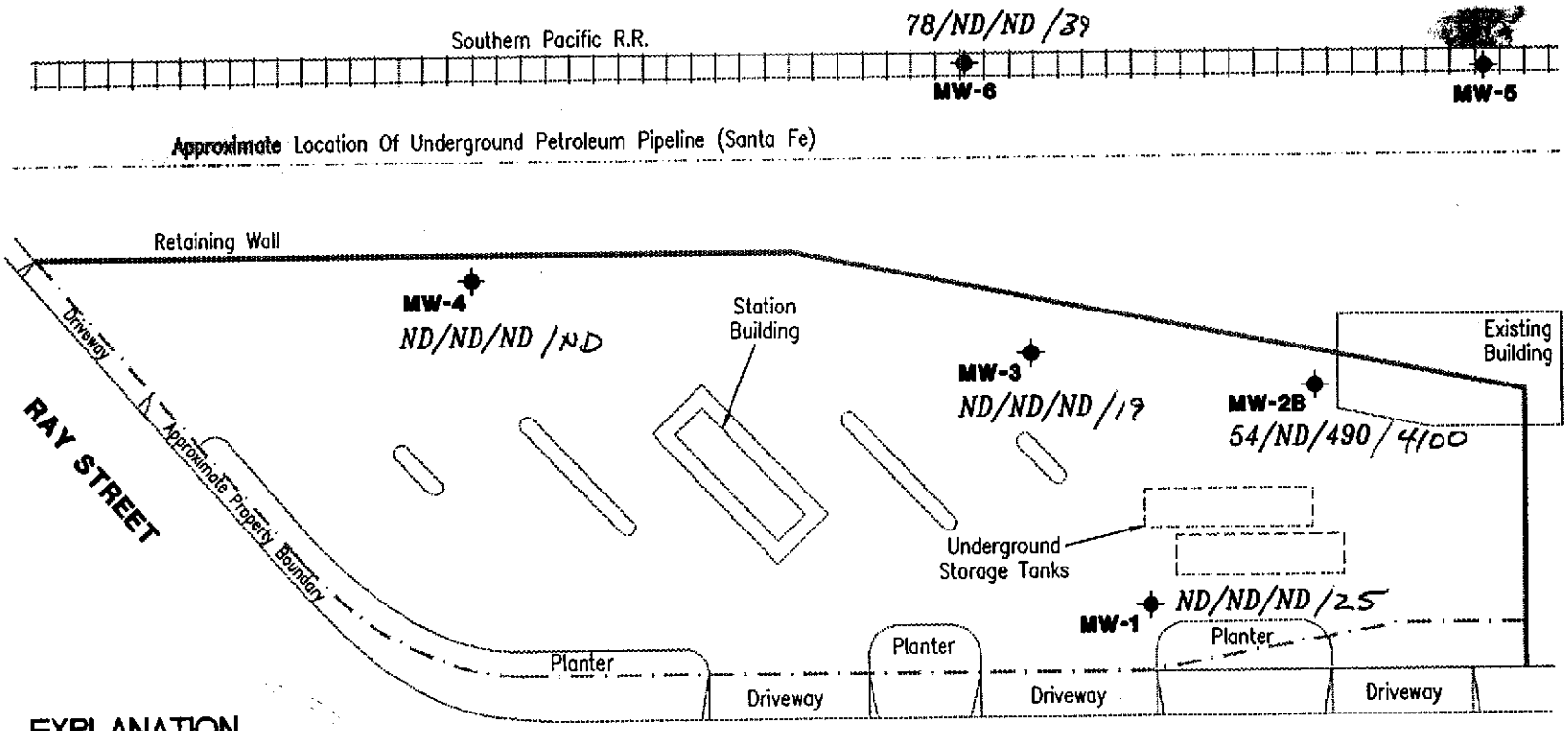
Source: Figure Modified From Drawing Provided By MPDS Services, Inc.

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station No. 7376
4191 First Street
Pleasanton, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180075		December 15, 1997	



EXPLANATION

- ✦ Groundwater monitoring well
- *A/B/C/D* TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/Benzene/TPH(D) (Total Petroleum Hydrocarbons as Diesel) concentrations in ppb / MtBE
- *ND* Not Detected
- *FP* Free Product

N

0 40

Scale in Feet

Source: Figure Modified From Drawing Provided By MPDS Services, Inc.

FIGURE 2

Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

CONCENTRATION MAP
Tosco (Unocal) Service Station No. 7376
4191 First Street
Pleasanton, California

JOB NUMBER 180075 | REVIEWED BY | DATE December 15, 1997 | REVISED DATE

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 Sampled on December 15, 1997)			
MW1	286.92	80.07	86.43	0	No	3.5
MW2B	282.48	82.57	85.25	0	No	1.5
MW3	283.66	83.35	94.11	0	No	5.5
MW4	281.77	87.26	93.01	0	No	3
MW5	298.53**	64.92	72.52	0.30	N/A	0
MW6	279.09	84.03	88.00	0	No	2.5
			(Monitored and Sampled on September 29, 1997)			
MW1	286.95	80.04	86.41	0	No	3.5
MW2B	282.33	82.72	85.20	0	No	1.5
MW3	283.68	83.33	94.11	0	No	3.5
MW4	283.20	85.83	93.01	0	No	4
MW5	294.02**	69.47	72.65	0.35	N/A	0
MW6	277.10	86.02	88.00	0	No	1
			(Monitored and Sampled on June 27, 1997)			
MW1	286.94	80.05	86.42	0	No	3.5
MW2B	282.65	82.40	85.26	0	No	1.5
MW3	283.74	83.27	94.12	0	No	6
MW4	289.97	79.06	93.06	0	No	7.5
MW5	295.03**	68.88	72.52	0.90	N/A	0 (18)
MW6	282.67	80.45	88.00	0	No	4
			(Monitored and Sampled on March 7, 1997)			
MW1	295.50	71.49	86.40	0	No	8
MW2B	295.38	69.67	85.25	0	Yes	8
MW3	295.43	71.58	94.09	0	No	12
MW4	300.99	68.04	94.95	0	No	13.5
MW5	306.93	56.30	72.59	0	Yes	9
MW6	295.51	67.61	88.09	0	No	11

Table 1

Summary of Monitoring Data

Well #	Well Casing Elevation (feet)*
MW1	366.99
MW2B	365.05
MW3	367.01
MW4	369.03
MW5	363.23
MW6	363.12

(#) Product purged in ounces.

♦ The depth to water level and total well depth measurements were taken from the top of the well casings.

* The elevations of the top of the well casings were surveyed relative to City of Pleasanton Benchmark V1, a brass disk on the north curb of Ray Street, approximately 200 feet northwest of the centerline of First Street (elevation = 367.17 feet Mean Sea Level).

** Ground water elevation corrected for the presence of free product (correction factor = 0.75).

Table 2

Summary of Laboratory Analyses
Water

Well #	Date	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW1	12/8/87*	2,100**	50♦	58	8	ND	10	--
	12/7/94	--	ND	ND	ND	ND	ND	--
	3/1/95	120	ND	ND	1.1	ND	1.3	--
	6/1/95	54##	130	1.0	2.9	0.79	4.5	--
	9/6/95	690	ND	ND	ND	ND	ND	§
	12/12/95	190##	ND	ND	ND	ND	ND	--
	3/1/96	56	ND	ND	ND	ND	ND	370
	6/15/96	ND	ND	ND	ND	ND	ND	270
	9/18/96	130##	ND	ND	ND	ND	ND	590
	12/21/96	ND	ND	ND	ND	ND	ND	150
	3/7/97	ND	ND	ND	ND	ND	ND	220
	6/27/97	ND	ND	ND	ND	ND	ND	17
	9/29/97	ND	ND	ND	ND	ND	ND	24
	12/15/97	ND	ND	ND	ND	ND	ND	25
MW2	12/8/87	620**	1,800♦	910	800	260	1,200	--
	12/7/94	WELL WAS DAMAGED						
	2/7/95	WELL WAS DESTROYED						
MW2B	3/1/95	320	ND	ND	ND	ND	ND	--
	6/1/95	280	350	19	5.8	ND	7.7	--
	9/6/95	ND	ND	90	ND	ND	ND	§
	12/12/95	850#	1,200	630	ND	15	57	§§
	3/1/96	870#	1,000	620	ND	ND	5.3	4,300
	6/15/96	420	910	350	ND	ND	ND	3,700
	9/18/96	600	1,200	95	ND	ND	ND	5,200
	12/21/96	470	330*#	57	ND	ND	ND	2,900
	3/7/97	870#	190	28	0.64	ND	1.5	4,300
	6/27/97	680#	98	3.4	1.0	0.53	ND	3,100
	9/29/97	430	ND	ND	ND	ND	ND	3,000
	12/15/97	490	54**#	ND	ND	ND	ND	4,100
MW3	12/8/87	2300**	24,000♦	2,600	1,300	160	660	--
	12/7/94	--	ND	ND	ND	ND	ND	--
	3/1/95	140#	ND	ND	1.1	ND	1.1	--
	6/1/95	140##	62	7.8	0.90	ND	1.6	--
	9/6/95	880##	4,100	380	490	130	710	§
	12/12/95	3,100#	19,000	600	380	2,100	5,300	§§
	3/1/96	1,500##	3,400	950	3.2	1,900	290	59
	6/15/96	400#	780	190	8.8	3.8	4.0	630
	9/18/96	170	2,800	340	12	11	110	2,500
	12/21/96	64#	51	1.3	ND	ND	0.53	20
	3/7/97	570#	1,400	53	14	29	68	220
	6/27/97	ND	ND	ND	ND	ND	ND	27
	9/29/97	ND	ND	ND	ND	ND	ND	11
	12/15/97	ND	ND	ND	ND	ND	ND	19

Table 2

Summary of Laboratory Analyses
Water

Well #	Date	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
MW4	9/18/96	200	160	14	ND	ND	1.6	ND
	12/21/96	ND	ND	ND	ND	ND	ND	ND
	3/7/97	ND	ND	1.9	0.99	ND	1.5	ND
	6/27/97	ND	ND	ND	ND	ND	ND	ND
	9/29/97	ND	ND	ND	ND	ND	ND	ND
	12/15/97	ND	ND	ND	ND	ND	ND	ND
MW5	9/18/96	4,700##	36,000	6,700	410	730	6,500	4,100
	12/21/96	4,700#	25,000	3,200	300	780	3,600	2,600
	3/7/97	2,100#	14,000	1,300	120	410	1,200	1,700
	6/27/97	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						
	9/29/97	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						
	12/15/97	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						
MW6	9/18/96	ND	160	5.4	ND	ND	ND	ND
	12/21/96	ND	300*#	96	1.3	ND	1.7	21
	3/7/97	190#	1,800*#	920	18	ND	31	290
	6/27/97	73##	ND	0.73	ND	ND	38	38
	9/29/97	ND	62**#	ND	ND	ND	ND	43
	12/15/97	ND	78**#	ND	ND	ND	ND	39

* 1,2 - Dichloroethene was detected at a concentration of 18 µg/L.

** Reported as Total Extractable Hydrocarbons (TEH).

♦ Reported as Total Petroleum Hydrocarbons (TPH).

\# 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 did not appear to be diesel.

*# 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.

§ Sequoia Analytical Laboratory has potentially identified the presence of MTBE at reportable levels in the ground water sample collected from this well.

§§ Sequoia Analytical Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 µg/L in the sample collected from this well.

MTBE = Methyl tert butyl ether.

Table 2

Summary of Laboratory Analyses
Water

ND = Non-detectable.

-- Indicates analysis was not performed.

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

Laboratory analyses data prior to March 1, 1995 were provided by Kaprealian Engineering, Inc.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe or equivalent. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

As requested by Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: # 7376 PLEASANTON
4191 FIRST STREET

DATE & TIME SAMPLED 12-15-97 12:00 A.M. (P.M.)

FIELD TECHNICIAN STEVE BALIAN

PURGE METHOD BAIL

DATE(S) PURGED 12-15-97

WELL NUMBER MW-1

WATER LEVEL-**INITIAL** 80.07

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 80.21

CONTAINERS 3

WELL DEPTH 86.43

PRESERVATIVES HCl

WELL CASING VOLUME 1.08 ℓ

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
11:25	0	67.1	430 uv	6.73
↓	1	68.8	424 uv	6.69
↓	2.5	70.0	418 uv	6.68
11:40	3.5	70.5	430 uv	6.70

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #7376 PLEASANTON
4191 FIRST STREET

DATE & TIME SAMPLED 12-15-97 13:20 A.M. (P.M.)

FIELD TECHNICIAN STEVE BAUAN

PURGE METHOD BAIL

DATE(S) PURGED 12-15-97

WELL NUMBER MW-2B

WATER LEVEL-**INITIAL** 82.57

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 82.64

CONTAINERS 3

WELL DEPTH 85.25

PRESERVATIVES HCl

WELL CASING VOLUME 0.46

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
12:55	0	65.7	515 uv	6.87
	0.5	67.1	514 uv	6.81
↓	1	67.0	526 uv	6.86
13:05	1.5	66.7	514 uv	6.87

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #7376 PLEASANTON 4/91 FIRST STREET

DATE & TIME SAMPLED 12-15-97 11:15 (A.M.) P.M.

FIELD TECHNICIAN STEVE BALIAN

PURGE METHOD BAIL

DATE(S) PURGED 12-15-97

WELL NUMBER MW-3

WATER LEVEL-**INITIAL** 83.35

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 83.60

CONTAINERS 3

WELL DEPTH 94.11

PRESERVATIVES HCl

WELL CASING VOLUME 1.83

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
10:40	0	65.0	450 uv	6.81
↓	2	65.8	466 uv	6.87
↓	4	66.5	471 uv	6.77
11:00	5.5	66.6	475 uv	6.75

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #7376 PLEASANTON
4191 FIRST STREET

DATE & TIME SAMPLED 12-15-97 10:30 (A.M) P.M.

FIELD TECHNICIAN STEVE BALIAN

PURGE METHOD BAIL

DATE(S) PURGED 12-15-97

WELL NUMBER MW-4

WATER LEVEL-**INITIAL** 87.26

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 87.50

CONTAINERS 3

WELL DEPTH 93.01

PRESERVATIVES HCl

WELL CASING VOLUME 0.98

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
10:00	0	61.0	280 uv	7.09
↓	1	65.8	315 uv	7.41
↓	2	66.3	321 uv	7.46
10:10	3	66.5	319 uv	7.46

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

MPDS Services Inc.
2401 Stanwell Drive
Concord, California 94520

Tel: (510) 602-5120
Fax: (510) 689-1918

PURGING/SAMPLING DATA SHEET

SAMPLING LOCATION: #7376 PLEASANTON
4191 FIRST STREET

DATE & TIME SAMPLED 12-15-97 12:45 A.M. (P.M.)

FIELD TECHNICIAN STEVE BALIAN

PURGE METHOD BAIL

DATE(S) PURGED 12-15-97

WELL NUMBER MW-6

WATER LEVEL-**INITIAL** 84.03

SAMPLING METHOD BAIL

WATER LEVEL-**FINAL** 84.24

CONTAINERS 3

WELL DEPTH 88.00

PRESERVATIVES HCl

WELL CASING VOLUME 0.67

†CASING DIAMETER 2"

TIME	GALLONS PURGED	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (µmhos/cmx100) or µS/cm	pH
12:15	0	67.4	487 uv	6.81
↓	1	67.6	498 uv	6.81
↓	2	67.1	501 uv	6.82
12:25	2.5	67.1	498 uv	6.81

† Conversion Factors:

Well Diameter	Factor
2"	0.17
3"	0.37
4"	0.65
4.5"	0.82
6"	1.46
8"	2.60
12"	5.87

S = Siemens = mhos

Stabilization Criteria:
Temperature = ± 1 °F
Conductivity = ± 10% of total
pH = ± 0.2

/P&S

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

7121225-1

SAMPLER: STEVE BALIAN
WITNESSING AGENCY:

TOSCO S/S # 7376 CITY: PLEASANTON
ADDRESS: 4191 FIRST STREET

TURN AROUND TIME: REGULAR

SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-G/BTEX	TPH-D	MTBE	8010	TOG				REMARKS
MW-1	12-15-97	12:00	X	X		3	WELL	X	X	X		7121225				MTBE 5-PPB
MW-2B	"	13:20	X	X		3	"	X	X	X		7121226				
MW-3	"	11:15	X	X		3	"	X	X	X		7121227				
MW-4	"	10:30	X	X		3	"	X	X	X		7121228				
MW-6	"	12:45	X	X		3	"	X	X	X		7121229				

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
STEVE BALIAN (SIGNATURE)	14:50 12-15-97	(SIGNATURE)	
(SIGNATURE)		(SIGNATURE)	
(SIGNATURE)		(SIGNATURE)	
(SIGNATURE)		(SIGNATURE) C. Palmer	1440 12/15/97

THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES:

1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? Y
2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? Y
3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? N
4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Y

SIGNATURE: C. Palmer TITLE: Analyst DATE: 12/15/97

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

MPDS Services	Client Project ID:	Tosco#7376, 4191 First St., Pleasanton	Sampled: Dec 15, 1997
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received: Dec 15, 1997
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Dec 31, 1997
Attention: Jarrel Crider	First Sample #:	712-1225	

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
712-1225	MW-1	ND	ND	ND	ND	ND
712-1226	MW-2B	54*	ND	ND	ND	ND
712-1227	MW-3	ND	ND	ND	ND	ND
712-1228	MW-4	ND	ND	ND	ND	ND
712-1229	MW-6	78*	ND	ND	ND	ND

* Hydrocarbons detected did not appear to be gasoline.

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

7121225.MPD <1>

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MPDS Services	Client Project ID:	Tosco#7376, 4191 First St., Pleasanton	Sampled:	Dec 15, 1997
2401 Stanwell Dr., Ste. 300	Matrix Descript:	Water	Received:	Dec 15, 1997
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Dec 31, 1997
Attention: Jarrel Crider	First Sample #:	712-1225		

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
712-1225	MW-1	--	1.0	12/18/97	HP-5	113
712-1226	MW-2B	Unidentified Hydrocarbons <C7*	1.0	12/18/97	HP-5	86
712-1227	MW-3	--	1.0	12/18/97	HP-5	118
712-1228	MW-4	--	1.0	12/18/97	HP-5	120
712-1229	MW-6	Unidentified Hydrocarbons <C7*	1.0	12/18/97	HP-5	97

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

Please Note:
* "Unidentified Hydrocarbons <C7" refers to unidentified peaks in the EPA 8010 range."

7121225.MPD <2>

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MPDS Services	Client Project ID:	Tosco#7376, 4191 First St., Pleasanton	Sampled:	Dec 15, 1997
2401 Stanwell Dr., Ste. 300	Sample Descript:	Water	Received:	Dec 15, 1997
Concord, CA 94520	Analysis for:	MTBE (Modified EPA 8020)		
Attention: Jarrel Crider	First Sample #:	712-1225	Analyzed:	Dec 18, 1997
			Reported:	Dec 31, 1997

LABORATORY ANALYSIS FOR: MTBE (Modified EPA 8020)

Sample Number	Sample Description	Detection Limit µg/L	Sample Result µg/L
712-1225	MW-1	5.0	25
712-1226	MW-2B	250	4,100
712-1227	MW-3	5.0	19
712-1228	MW-4	5.0	N.D.
712-1229	MW-6	5.0	39

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

7121225.MPD <3>

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MPDS Services	Client Project ID:	Tosco#7376, 4191 First St., Pleasanton	Sampled: Dec 15, 1997
2401 Stanwell Dr., Ste. 300	Sample Matrix:	Water	Received: Dec 15, 1997
Concord, CA 94520	Analysis Method:	EPA 3510/8015 Mod.	Reported: Dec 31, 1997
Attention: Jarrel Crider	First Sample #:	712-1125	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 712-1125 MW-1	Sample I.D. 712-1126 MW-2B	Sample I.D. 712-1127 MW-3	Sample I.D. 712-1128 MW-4	Sample I.D. 712-1129 MW-6
Extractable Hydrocarbons	50	N.D.	490	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	Diesel	--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.1	1.1
Date Extracted:	12/19/97	12/19/97	12/19/97	12/19/97	12/19/97
Date Analyzed:	12/23/97	12/23/97	12/23/97	12/22/97	12/22/97
Instrument Identification:	HP-3A	HP-3A	HP-3B	HP-3B	HP-3B

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

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

Client Project ID: Tosco#7376, 4191 First St., Pleasanton
Matrix: Liquid
QC Sample Group: 7121225-229

Reported: Dec 31, 1997

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD Batch#:	7121228	7121228	7121228	7121228
Date Prepared:	12/18/97	12/18/97	12/18/97	12/18/97
Date Analyzed:	12/18/97	12/18/97	12/18/97	12/18/97
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	90	85	90	92
Matrix Spike Duplicate % Recovery:	90	90	90	93
Relative % Difference:	0.0	5.7	0.0	1.8
LCS Batch#:	5LCS121897	5LCS121897	5LCS121897	5LCS121897
Date Prepared:	12/18/97	12/18/97	12/18/97	12/18/97
Date Analyzed:	12/18/97	12/18/97	12/18/97	12/18/97
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
LCS % Recovery:	90	90	90	93
% Recovery Control Limits:	70-130	70-130	70-130	70-130

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.

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

Client Project ID: Tosco#7376, 4191 First St., Pleasanton
Matrix: Liquid
QC Sample Group: 7121225-229

Reported: Dec 31, 1997

QUALITY CONTROL DATA REPORT

ANALYTE	Diesel
Method:	EPA 8015M
Analyst:	K. Grub
MS/MSD Batch#:	BLK121997A
Date Prepared:	12/19/97
Date Analyzed:	12/22/97
Instrument I.D.#:	HP-3A
Conc. Spiked:	500 µg/L
Matrix Spike % Recovery:	73
Matrix Spike Duplicate % Recovery:	59
Relative % Difference:	22
LCS Batch#:	LCS121997
Date Prepared:	12/19/97
Date Analyzed:	12/22/97
Instrument I.D.#:	HP-3A
LCS % Recovery:	69
% Recovery Control Limits:	60-140

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Signature on File

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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.