GETTLER-RYAN INC.

April 11, 2002
G-R Job #180041

Mr David B De Witt
Phillips 66 Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

Store# 255487
Report Type Code. GWM
Description GW+S March Annual Report
Date 4/11/2002

RE **Annual Event of March 2, 2002**
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5487
28250 Hesperian Boulevard
Hayward, California

Dear Mr De Witt

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc (G-R) at the referenced site All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached)

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons Separate-phase hydrocarbons were not present in the wells 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 G-R 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 Tables 1 and 2 A Concentration Map is included as Figure 2 The chain of custody document and laboratory analytical reports are also attached

Sincerely,

Anamaria Mercau
- FOR -
Deanna L Harding
Project Coordinator

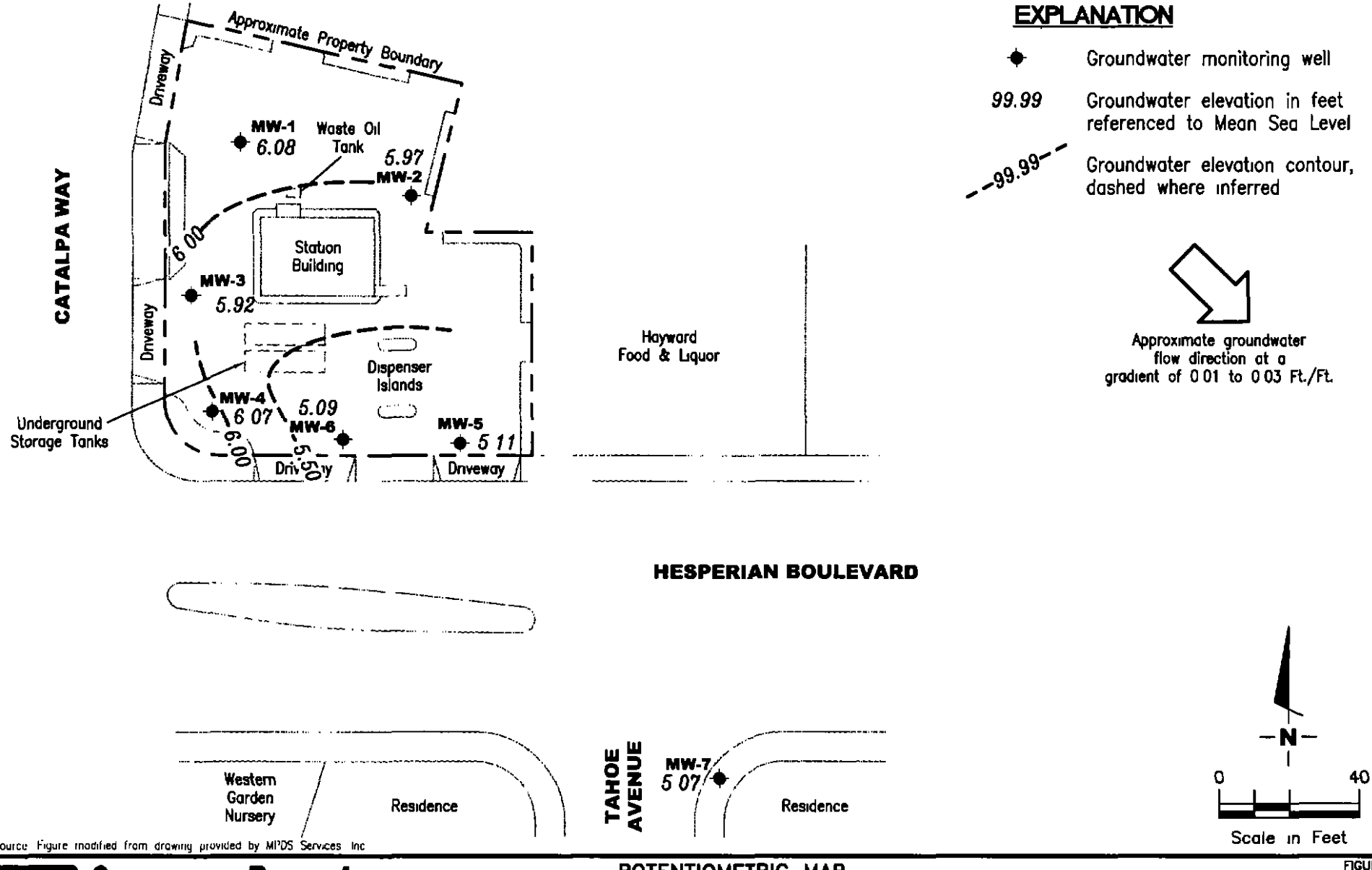
REGISTERED GEOLOGIST
DOUGLAS J LEE
No. 6882
STATE OF CALIFORNIA

Douglas J Lee
Senior Geologist, R G No 6882

Figure 1	Potentiometric Map
Figure 2	Concentration Map
Table 1	Groundwater Monitoring Data and Analytical Results
Table 2	Groundwater Analytical Results – Oxygenate Compounds
Attachments	Standard Operating Procedure - Groundwater Sampling
	Field Data Sheets
	Chain of Custody Document and Laboratory Analytical Reports

255487 SS X BP
1 X TRANSMITTAL
3 4 5 6

5487 qml



Source: Figure modified from drawing provided by MPDS Services Inc

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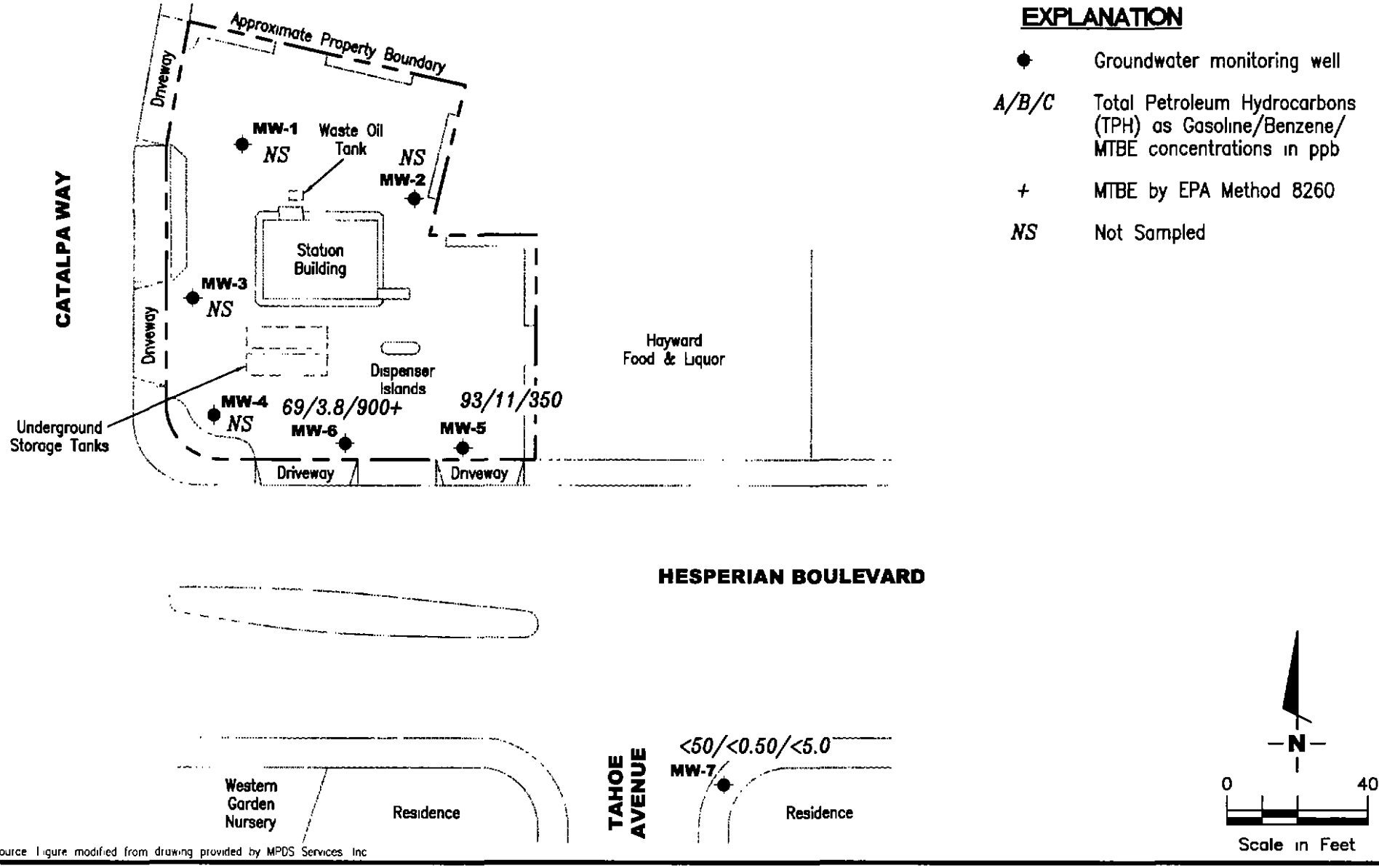
POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #5487
28250 Hesperian Boulevard
Hayward, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180041		March 2, 2002	

FILE NAME: P:\Enviro\TOSCO\5487\Q02-5487.DWG | Layout Tab: Pot1



Source figure modified from drawing provided by MPDS Services Inc

GETTLER - RYAN INC.
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CONCENTRATION MAP
Tosco (Unocal) Service Station #5487
28250 Hesperian Boulevard
Hayward, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180041		March 2, 2002	

FILE NAME P:\Enviro\TOSCO\5487\Q02-5487.DWG | Layout Tab: Con1

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5487

28250 Hesperian Boulevard

Hayward, California

WELL ID/ TOC*	DATE	DTW (ft)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1										
	04/26/89[1]	--	4 0-28 0	--	ND	2 1	ND	ND	ND	--
	08/16/89[2]	--		--	ND	ND	ND	ND	ND	--
	11/14/89[1]	--		--	ND	ND	ND	ND	ND	--
	02/16/90[1]	--		--	ND	ND	ND	ND	ND	--
	05/16/90[1]	--		--	ND	ND	ND	ND	ND	--
	08/29/90[1]	--		--	ND	ND	ND	ND	ND	--
	11/15/90[1]	--		--	ND	ND	ND	ND	0 74	--
	02/11/91[1]	--		--	ND	ND	ND	ND	ND	--
	05/10/91	--		--	ND	ND	ND	ND	ND	--
	08/02/91	--		--	ND	ND	ND	ND	ND	--
	11/07/91	--		--	ND	ND	ND	ND	ND	--
	08/04/92	--		--	ND	ND	ND	ND	ND	--
12 57	05/03/93	6 87		5 70	--	--	--	--	--	--
	08/05/93	7 49		5 08	ND	ND	ND	ND	ND	--
11 73	11/05/93	6 98		4 75	--	--	--	--	--	--
	02/07/94	6 26		5 47	--	--	--	--	--	--
	05/02/94	6 27		5 46	--	--	--	--	--	--
	08/02/94	6 89		4 84	ND	ND	ND	ND	ND	--
	11/02/94	7 07		4 66	--	--	--	--	--	--
	02/01/95	5 17		6 56	--	--	--	--	--	--
	05/02/95	5 65		6 08	--	--	--	--	--	--
	08/03/95	6 21		5 52	ND	ND	ND	ND	ND	--
	11/06/95	6 80		4 93	--	--	--	--	--	--
	02/02/96	3 88		7 85	SAMPLED ANNUALLY		--	--	--	--
	02/07/97	4 63		7 10	SAMPLING DISCONTINUED		--	--	--	--
	02/09/98	2 70		9 03	--	--	--	--	--	--
	02/02/99	5 42		6 31	--	--	--	--	--	--
	02/04/00	4 08		7 65	--	--	--	--	--	--
	02/02/01	5 26		6 47	--	--	--	--	--	--
	03/02/02	**5.65**		**6.08**	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5487
28250 Hesperian Boulevard
Hayward, California

WELL ID/ TOC*	DATE	DTW (ft)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2										
	04/26/89[1]	--	4.0-24.0	--	ND	ND	ND	ND	ND	--
	08/16/89[2]	--		--	ND	ND	ND	ND	ND	--
	11/14/89[1]	--		--	ND	ND	ND	ND	ND	--
	02/16/90	--		--	ND	ND	ND	ND	ND	--
	05/16/90[1]	--		--	ND	ND	ND	ND	ND	--
	08/29/90	--		--	ND	ND	ND	ND	ND	--
	11/15/90	--		--	ND	ND	ND	ND	ND	--
	02/11/91	--		--	ND	ND	ND	ND	ND	--
	05/10/91	--		--	ND	ND	ND	ND	ND	--
	08/02/91	--		--	ND	ND	ND	ND	ND	--
	11/07/91	--		--	ND	ND	ND	ND	ND	--
	08/04/92	--		--	ND	ND	ND	ND	ND	--
12.89	05/03/93	7.30		5.59	--	--	--	--	--	--
	08/05/93	7.97		4.92	ND	ND	ND	ND	ND	--
12.58	11/05/93	7.97		4.61	--	--	--	--	--	--
	02/07/94	7.09		5.49	--	--	--	--	--	--
	05/02/94	7.23		5.35	--	--	--	--	--	--
	08/02/94	7.87		4.71	ND	ND	ND	ND	ND	--
	11/02/94	7.98		4.60	--	--	--	--	--	--
	02/01/95	6.13		6.45	--	--	--	--	--	--
	05/02/95	7.04		5.54	--	--	--	--	--	--
	08/03/95	7.19		5.39	ND	ND	ND	ND	ND	--
	11/06/95	7.80		4.78	--	--	--	--	--	--
	02/02/96	5.91		6.67	SAMPLED ANNUALLY		--	--	--	--
	02/07/97	5.65		6.93	SAMPLING DISCONTINUED		--	--	--	--
	02/09/98	3.63		8.95	--	--	--	--	--	--
	02/02/99	6.36		6.22	--	--	--	--	--	--
	02/04/00	6.04		6.54	--	--	--	--	--	--
	02/02/01	6.44		6.14	--	--	--	--	--	--
	03/02/02	**6.61**		**5.97**	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5487

28250 Hesperian Boulevard

Hayward, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3										
	04/26/89[1]	--	5.0-25.0	--	ND	ND	ND	ND	ND	--
	08/16/89	--		--	ND	ND	ND	ND	ND	--
	11/14/89	--		--	ND	ND	ND	ND	ND	--
	02/16/90	--		--	ND	ND	ND	ND	ND	--
	05/16/90	--		--	ND	ND	ND	ND	ND	--
	08/29/90	--		--	ND	ND	0.52	ND	ND	--
	11/15/90	--		--	ND	ND	ND	ND	ND	--
	02/11/91	--		--	ND	ND	ND	ND	ND	--
	05/10/91	--		--	ND	ND	ND	ND	ND	--
	08/02/91	--		--	ND	ND	ND	ND	ND	--
	11/07/91	--		--	ND	ND	ND	ND	ND	--
	08/04/92	--		--	ND	ND	ND	ND	ND	--
12.46	05/03/93	6.82		5.64	--	--	--	--	--	--
	08/05/93	7.50		4.96	--	--	--	--	--	--
11.99	11/05/93	7.35		4.64	--	--	--	--	--	--
	02/07/94	6.58		5.41	--	--	--	--	--	--
	05/02/94	6.62		5.37	--	--	--	--	--	--
	08/02/94	7.24		4.75	ND	ND	ND	ND	ND	--
	11/02/94	7.42		4.57	--	--	--	--	--	--
	02/01/95	5.55		6.44	--	--	--	--	--	--
	05/02/95	5.70		6.29	--	--	--	--	--	--
	08/03/95	6.59		5.40	ND	ND	ND	ND	ND	--
	11/06/95	7.20		4.79	--	--	--	--	--	--
	02/02/96	4.08		7.91	SAMPLED ANNUALLY		--	--	--	--
	02/07/97	5.04		6.95	SAMPLING DISCONTINUED		--	--	--	--
	02/09/98	3.11		8.88	--	--	--	--	--	--
	02/02/99	5.69		6.30	--	--	--	--	--	--
	02/04/00	4.26		7.73	--	--	--	--	--	--
	02/02/01	4.91		7.08	--	--	--	--	--	--
	03/02/02	**6.07**		**5.92**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5487
28250 Hesperian Boulevard
Hayward, California

WELL ID/ TOC*	DATE	DTW (ft)	S.I. (ft bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4										
	04/26/89[1]	--	5 0-25 0	--	ND	0 33	ND	ND	ND	--
	08/16/89	--		--	ND	ND	ND	ND	ND	--
	11/14/89	--		--	ND	ND	ND	ND	ND	--
	02/16/90	--		--	ND	ND	ND	ND	ND	--
	05/16/90	--		--	ND	ND	ND	ND	ND	--
	08/29/90	--		--	ND	ND	ND	ND	ND	--
	11/15/90	--		--	ND	ND	ND	ND	ND	--
	02/11/91	--		--	ND	ND	ND	ND	ND	--
	05/10/91	--		--	ND	ND	ND	ND	ND	--
	08/02/91	--		--	ND	ND	ND	ND	ND	--
	11/07/91	--		--	ND	ND	ND	ND	ND	--
	08/04/92	--		--	ND	ND	ND	ND	ND	--
12 09	05/03/93	6 60		5 49	--	--	--	--	--	--
	08/05/93	7 28		4 81	ND	ND	ND	ND	ND	--
11 58	11/05/93	7 07		4 51	--	--	--	--	--	--
	02/07/94	6 21		5 37	--	--	--	--	--	--
	05/02/94	6 32		5 26	--	--	--	--	--	--
	08/02/94	6 95		4 63	ND	ND	ND	ND	ND	--
	11/02/94	7 13		4 45	SAMPLED ANNUALLY		--	--	--	--
	02/01/95	5 23		6 35	--	--	--	--	--	--
	05/02/95	5 43		6 15	--	--	--	--	--	--
	08/03/95	6 33		5 25	ND	ND	ND	ND	ND	--
	11/06/95	6 90		4 68	--	--	--	--	--	--
	02/02/96	3 71		7 87	--	--	--	--	--	--
	02/07/97	4 46		7 12	SAMPLING DISCONTINUED		--	--	--	--
	02/09/98	2 55		9 03	--	--	--	--	--	--
	02/02/99	5 37		6 21	--	--	--	--	--	--
	02/04/00	4 09		7 49	--	--	--	--	--	--
	02/02/01	5 12		6 46	--	--	--	--	--	--
	03/02/02	**5.51**		**6.07**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5487

28250 Hesperian Boulevard

Hayward, California

WELL ID/ TOC*	DATE	DTW (ft)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5										
	04/26/89[1]	--	4.0-24.0	--	ND	ND	ND	ND	ND	--
	08/16/89	--		--	4,400	1,400	84	200	950	--
	08/31/89	--		--	910	120	7.1	50	53	--
	11/14/89	--		--	73	4.7	0.97	2.9	16	--
	02/16/90	--		--	ND	ND	ND	ND	ND	--
	05/16/90	--		--	1,100	310	2.8	70	110	--
	08/29/90	--		--	ND	0.70	ND	0.57	1.1	--
	11/15/90	--		--	ND	ND	ND	ND	0.47	--
	02/11/91	--		--	58	23	ND	2.9	1.3	--
	05/10/91	--		--	ND	ND	ND	ND	ND	--
	08/02/91	--		--	100	43	0.33	12	5.2	--
	11/07/91	--		--	700	43	1.7	29	24	--
	02/05/92	--		--	120	20	ND	4.4	4.7	--
	05/05/92	--		--	170	45	0.48	9.0	6.8	--
	08/04/92	--		--	80	13	ND	4.5	6.9	--
	11/05/92	--		--	120	16	ND	3.5	3.0	--
	02/02/93	--		--	77[3]	5.0	ND	1.2	1.3	--
11.18	05/03/93	6.16		5.02	260	35	ND	2.3	3.1	--
	08/05/93	6.97		4.21	530	210	0.62	54	44	--
10.79	11/05/93	6.81		3.98	110	12	ND	2.3	2.3	--
	02/07/94	5.70		5.09	180	22	ND	6.4	5.9	--
	05/02/94	5.96		4.83	170[3]	38	0.73	8.5	8.4	--
	08/02/94	6.68		4.11	59	16	ND	2.4	3.1	--
	11/02/94	6.86		3.93	450	73	1.6	6.2	11	--
	02/01/95	4.85		5.94	170	11	ND	2.4	3.9	--
	05/02/95	4.95		5.84	ND	7.5	0.51	1.2	1.6	--
	08/03/95	6.03		4.76	ND	12	ND	0.70	ND	--
	11/06/95	6.70		4.09	160	80	ND	7.4	10	120
	02/02/96	3.50		7.29	64	20	ND	3.9	6.1	150
	02/07/97	4.26		6.53	85	16	0.56	1.7	3.8	250
	02/09/98	2.29		8.50	220	54	ND	3.2	5.9	230

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5487
28250 Hesperian Boulevard
Hayward, California

WELL ID/ TOC*	DATE	DTW (ft)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	02/02/99	5 07	4 0-24 0	5 72	61[6]	19	ND	1 3	2 1	110
(cont)	02/04/00	3 68		7 11	ND	8 4	ND	ND	ND	86
	02/02/01	4 38		6 41	ND	6 42	ND	ND	ND	223
	03/02/02	**5.68**		**5.11**	**93[6]**	**11**	**<0.50**	**<0.50**	**<0 50**	**350**
MW-6	08/04/92	--	5 0-18 0	--	540	12	7 9	35	110	--
	11/05/92	--		--	300	16	2 3	14	14	--
	02/02/93	--		--	400[3]	66	5 5	32	13	--
11 47	05/03/93	6 28		5 19	520	47	2 6	33	48	--
	08/05/93	7 05		4 42	230	25	1 6	12	29	--
11 18	11/05/93	7 02		4 16	100	1 8	ND	0 79	2 2	--
	02/07/94	6 00		5 18	1,100	130	14	13	130	--
	05/02/94	6 18		5 00	440[3]	20	4 2	11	26	--
	08/02/94	6 88		4 30	220	13	1 0	12	28	--
	11/02/94	7 05		4 13	840	30	2 5	26	57	--
	02/01/95	5 04		6 14	340	26	0 77	2 6	7 0	--
	05/02/95	5 00		6 18	ND	5 7	ND	0 81	1 1	--
	08/03/95	6 26		4 92	ND	0 76	ND	ND	ND	--
	11/06/95	6 87		4 31	210	17	0 66	14	37	130
	02/02/96	3 64		7 54	300	51	0 65	30	18	280
	02/07/97	4 41		6 77	66	5 8	1 2	2 1	6 6	450
	02/09/98	2 51		8 67	ND[5]	1 0	ND[5]	ND[5]	ND[5]	450
	02/02/99	5 14		6 04	ND	2 6	ND	1 0	2 9	490
	02/04/00	4 11		7 07	110[7]	3 9	ND[5]	ND[5]	ND[5]	830
	02/02/01	5 06		6 12	ND[5]	4 79	ND[5]	ND[5]	ND[5]	1,800/1 790[8]
	03/02/02	**6.09**		**5.09**	**69[6]**	**3 8**	**<0 50**	**<0.50**	**<0.50**	**780/900[8]**
MW-7										
	07/30/96	--	3 5-19 0	--	ND	ND	ND	ND	ND	ND
9 39	02/07/97	3 75		5 64	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5487
28250 Hesperian Boulevard
Hayward, California

WELL ID/ TOC*	DATE	DTW (ft)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	02/09/98	1 69	3 5-19 0	7 70	ND	ND	ND	ND	ND	ND
(cont)	02/02/99	4 14		5 25	ND	ND	ND	ND	ND	ND
	02/04/00	3 97		5 42	ND	ND	ND	ND	ND	ND
	02/02/01	4 05		5 34	ND	ND	ND	ND	ND	ND
	03/02/02	**4.32**		**5.07**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5 0**
MWD[4]	05/10/91	--	--	--	ND	ND	ND	ND	ND	--
Trip Blank										
TB-LB	02/09/98	--	--	--	ND	ND	ND	ND	ND	ND
	02/02/99	--		--	ND	ND	ND	ND	ND	ND
	02/04/00	--		--	ND	ND	ND	ND	ND	ND
	02/02/01	--		--	ND	ND	ND	ND	ND	ND
	03/02/02	**--**		**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5 0**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5487

28250 Hesperian Boulevard

Hayward, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to February 9, 1998, were compiled from reports prepared by MPDS Services, Inc

TOC = Top of Casing
DTW = Depth to Water
(ft) = Feet
S I = Screen Interval
(ft bgs) = Feet Below Ground Surface
GWE = Groundwater Elevation
(msl) = Mean sea level

TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed
TOG = Total Oil and Grease

* Prior to November 5, 1993, the elevations of the *Top of Well Covers* have been surveyed relative to Mean Sea Level (msl), per the City of Hayward Benchmark (Elevation = 10 97 feet, msl) TOC elevations are relative to Mean Sea Level (msl), per the City of Hayward Benchmark (Elevation = 10 97 feet msl)

1 TPH-D, TOG and all EPA Method 8010 constituents were ND

2 TOG for the samples collected from MW-1 and MW-2 were 23 ppm and 7 4 ppm, respectively TPH-D and all EPA Method 8010 constituents were ND for both samples

3 Laboratory report indicates that the hydrocarbons detected appear to be a gasoline and non-gasoline mixture

4 MWD was a quality assurance duplicate water sample collected from well MW-5

5 Detection limit raised Refer to analytical reports

6 Laboratory report indicates unidentified hydrocarbons C6-C12

7 Laboratory report indicates gasoline C6-C12

8 MTBE by EPA Method 8260

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #5487
28250 Hesperian Boulevard
Hayward, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-6	02/02/01	ND[1]	ND[1]	1,790	ND[1]	ND[1]	ND[1]	ND[1]	ND[1]
	03/02/02	**<2,500**	**<500**	**900**	**<10**	**<10**	**<10**	**<10**	**<10**

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1 2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(ppb) = Parts per billion
ND = Not Detected

[1] Detection limit raised Refer to analytical reports

ANALYTICAL METHOD

EPA Method 8260 for Oxygenate Compounds

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 an interface probe. 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, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken 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.

A laboratory supplied trip blank accompanies each sampling set For sampling sets greater than 20 samples, 5% trip blanks are included The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Phillips 66 Company, the purge water and decontamination water generated during sampling activities is transported to Phillips 66 - San Francisco Refinery, located in Rodeo, California.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: 5487 | Job#: 180041

Address: 28250 Hesperian Blvd. | Date: 3-2-02

City: Hayward, CA | Sampler: Joe

Well ID: MW-1 | Well Condition: O.K

Well Diameter: 2 in. | Hydrocarbon Thickness: 0 in. | Amount Bailed (product/water): 0 (gal.)

Total Depth: 27.10 ft.

Depth to Water: 5.65 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

_______ X VF 0.17 = _______ X 3 (case volume) = Estimated Purge Volume: _______ (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _______

Sampling Equipment: Disposable Bailer (circled), Bailer, Pressure Bailer, Grab Sample, Other: _______

Starting Time: _______ | Weather Conditions: Clear

Sampling Time: _______ | Water Color: clear | Odor: _______

Purging Flow Rate: _______ gpm. | Sediment Description: _______

Did well de-water? _______ | If yes; Time: _______ Volume: _______ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS: M. only

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5487 Job#: 180041

Address: 28250 Hesperian Blvd. Date: 3-2-02

City: Hayward, CA Sampler: Joe

Well ID MW-2 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 23.68 ft.

Depth to Water 6.61 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

_____ X VF 0.17 = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment:	Sampling Equipment:
Disposable Bailer	Disposable Bailer
Bailer	Bailer
Stack	Pressure Bailer
Suction	Grab Sample
Grundfos	
Other: _____	Other: _____

Starting Time: _____ Weather Conditions: Clear

Sampling Time: _____ Water Color: clear Odor: _____

Purging Flow Rate: _____ gpm Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS: MW only

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility #: 5487 — Job#: 180041

Address: 28250 Hesperian Blvd. — Date: 3-2-02

City: Hayward, CA — Sampler: Joe

Well ID: MW-3 — Well Condition: O.k.

Well Diameter: 2 in.

Hydrocarbon Thickness: Ø in. — Amount Bailed (product/water): Ø (gal.)

Total Depth: 24.32 ft.

Depth to Water: 6.07 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

_____ X VF 0.17 = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- Stack
- Suction
- Grundfos
- Other: _____

Sampling Equipment:
- Disposable Bailer (circled)
- Bailer
- Pressure Bailer
- Grab Sample
- Other: _____

Starting Time: _____ — Weather Conditions: Clear

Sampling Time: _____ — Water Color: clear — Odor: _____

Purging Flow Rate: _____ gpm. — Sediment Description: _____

Did well de-water? _____ — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm X 10)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS: M. only

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5487 Job#: 180041

Address: 28250 Hesperian Blvd. Date: 3-2-02

City: Hayward, CA. Sampler: Joe

Well ID mw-4 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 24.51 ft.

Depth to Water 5.51 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

_____ X VF 0.17 = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / Suction / Grundfos / Other: _____

Sampling Equipment: Disposable Bailer / Bailer / Pressure Bailer / Grab Sample / Other: _____

Starting Time: _____ Weather Conditions: Clear

Sampling Time: _____ Water Color: clear Odor: _____

Purging Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (mmhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS: M. only

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5487 Job#: 180041

Address: 28250 Hesperian Blvd. Date: 3-2-02

City: Hayward, CA. Sampler: Joe

Well ID MW-5 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 24.06 ft.

Depth to Water 5.68 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

18.38 X VF 0.17 = 3.12 X 3 (case volume) = Estimated Purge Volume: 9.5 (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / Suction / Grundfos / Other:

Sampling Equipment: Disposable Bailer / Bailer / Pressure Bailer / Grab Sample / Other:

Starting Time: 11:09 Weather Conditions: Clear

Sampling Time: 11:30 Am (1130) Water Color: clear Odor: yes

Purging Flow Rate: 1 gpm. Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:17	3	7.10	3.77	72.1			
11:19	6	7.11	3.82	71.4			
11:21	9.5	7.14	3.85	71.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3x04	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5487 Job#: 180041

Address: 28250 Hesperian Blvd. Date: 3-2-02

City: Hayward, CA Sampler: Joe

Well ID: MW-6 Well Condition: O.K.

Well Diameter: 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth: 17.76 ft.

Depth to Water: 6.09 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

11.67 X VF 0.17 = 1.98 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 11:45 Weather Conditions: Clear

Sampling Time: 12:04 p.m. (1204) Water Color: clear Odor: yes

Purging Flow Rate: 0.5 gpm. Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (mmhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:52	2	7.44	2.88	65.8			
11:55	4	7.04	3.15	65.4			
11:58	6	6.96	3.16	65.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	2 VOA	"	"	"	(8) DX4's 5y826c

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5487 Job#: 180041

Address: 28250 Hesperian Blvd. Date: 3-2-02

City: Hayward, CA. Sampler: Joe

Well ID MW-7 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 19.05 ft.

Depth to Water 4.32 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

14.73 X VF 0.17 = 2.50 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; Suction; Grundfos; Other: _____

Sampling Equipment: Disposable Bailer; Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 10:25 Weather Conditions: Clear

Sampling Time: 10:52 AM (1052) Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:25	2.5	7.88	11.95	72.0			
10:37	5	7.20	12.63	72.1			
10:39	7.5	7.65	12.64	72.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS: _____

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GLOBAL ID# T0600101462

Chain-of-Custody-Record

TOSCO

Tosco Marketing Company
2000 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number: Tosco #5487
Facility Address: 28250 Hesperian Blvd., Hayward, CA
Consultant Project Number: 180041.85
Consultant Name: Gettler-Ryan Inc. (G-R Inc.)
Address: 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone): (925)551-7555 (Fax Number): 925-551-7899

Contact (Name): MR. Dave DeWitt
(Phone): 925-277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): JOE AJEMIAN
Collection Date: 3-2-02
Signature: [signature]

L203009

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	TPH Gas + BTEX w/MTBE (8015) (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	(8) Oxys by 8260					DO NOT BILL TB-LB ANALYSIS
TB-LB	01	1 VOA	W	G	-	HCL	Y	✓													8 Oxy's – MTBE, TBA, DIPE, ETBE TAME, 1,2DCA EDB, Ethanol
MW-5	02	3 VOA	/	/	1130	/	/	✓													
MW-6	03	5 VOA	/	/	1204	/	/	✓								✓					
MW-7	04	3 VOA	/	/	1052	/	/	✓													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
[signature]	G-R Inc.	3-4-02 1500	[signature]		3/4/02 1510	24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
						5 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
						As Contracted

Sequoia Analytical

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18 March, 2002

Deanna Harding
Gettler-Ryan/Geostrategies(1)
6747 Sierra Court, Suite J
Dublin, CA 94568

RE Tosco(1)
Sequoia Report L203009

Enclosed are the results of analyses for samples received by the laboratory on 03/04/02 15 00 If you have any questions concerning this report, please feel free to contact me

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate #2360

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project Tosco(1)	
6747 Sierra Court, Suite J	Project Number Tosco #5487, Hayward	**Reported:**
Dublin CA, 94568	Project Manager Deanna Harding	03/18/02 15 25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	L203009-01	Water	03/02/02 00 00	03/04/02 15 00
MW-5	L203009-02	Water	03/02/02 00 00	03/04/02 15 00
MW-6	L203009-03	Water	03/02/02 12 04	03/04/02 15 00
MW-7	L203009-04	Water	03/02/02 10 52	03/04/02 15 00

Sequoia Analytical - San Carlos

The results in this report apply to the samples analyzed in accordance with the chain of custody document This analytical report must be reproduced in its entirety

Wayne Stevenson, Project Manager

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project Tosco(1)	
6747 Sierra Court, Suite J	Project Number Tosco #5487, Hayward	**Reported·**
Dublin CA, 94568	Project Manager Deanna Harding	03/18/02 15 25

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (L203009-01) Water Sampled. 03/02/02 00 00 Received: 03/04/02 15 00									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030037	03/15/02	03/15/02	EPA 8021B	
Benzene	ND	0 50	"	"	"	"	"	"	
Toluene	ND	0 50	"	"	"	"	"	"	
Ethylbenzene	ND	0 50	"	"	"	"	"	"	
Xylenes (total)	ND	0 50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5 0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*102 %*	*70-130*		"	"	"	"	
MW-5 (L203009-02) Water Sampled: 03/02/02 00 00 Received· 03/04/02 15 00									
Purgeable Hydrocarbons as Gasoline	**93**	50	ug/l	1	2030038	03/15/02	03/15/02	EPA 8021B	P-03
Benzene	**11**	0 50	"	"	"	"	"	"	
Toluene	ND	0 50	"	"	"	"	"	"	
Ethylbenzene	ND	0 50	"	"	"	"	"	"	
Xylenes (total)	ND	0 50	"	"	"	"	"	"	
Methyl tert-butyl ether	**350**	50	"	10	"	"	"	"	M-04
Surrogate a,a,a-Trifluorotoluene		*103 %*	*70-130*		"	"	"	"	
MW-6 (L203009-03) Water Sampled: 03/02/02 12 04 Received. 03/04/02 15·00									
Purgeable Hydrocarbons as Gasoline	**69**	50	ug/l	1	2030038	03/15/02	03/15/02	EPA 8021B	P-03
Benzene	**3 8**	0 50	"	"	"	"	"	"	
Toluene	ND	0 50	"	"	"	"	"	"	
Ethylbenzene	ND	0 50	"	"	"	"	"	"	
Xylenes (total)	ND	0 50	"	"	"	"	"	"	
Methyl tert-butyl ether	**780**	50	"	10	"	"	"	"	M-04
Surrogate a,a,a-Trifluorotoluene		*100 %*	*70-130*		"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project Tosco(1)	
6747 Sierra Court, Suite J	Project Number Tosco #5487, Hayward	**Reported.**
Dublin CA, 94568	Project Manager Deanna Harding	03/18/02 15 25

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (L203009-04) Water Sampled 03/02/02 10:52 Received: 03/04/02 15:00									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030038	03/15/02	03/15/02	EPA 8021B	
Benzene	ND	0 50	"	"	"	"	"	"	
Toluene	ND	0 50	"	"	"	"	"	"	
Ethylbenzene	ND	0 50	"	"	"	"	"	"	
Xylenes (total)	ND	0 50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5 0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*87 7 %*		*70-130*	"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project Tosco(1)	
6747 Sierra Court, Suite J	Project Number Tosco #5487, Hayward	**Reported:**
Dublin CA, 94568	Project Manager Deanna Harding	03/18/02 15 25

Volatile Organic 8 Oxygenated Compounds by EPA Method 8260B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (L203009-03) Water Sampled 03/02/02 12:04 Received: 03/04/02 15:00									
Ethanol	ND	2500	ug/l	5	2030010	03/05/02	03/05/02	EPA 8260B	
1,2-Dibromoethane	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**900**	10	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	10	"	"	"	"	"	"	
Tert-butyl alcohol	ND	500	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*104 %*		*70-130*	"	"	"	"	
Surrogate Toluene-d8		*100 %*		*70-130*	"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project Tosco(1)	
6747 Sierra Court, Suite J	Project Number Tosco #5487, Hayward	**Reported**
Dublin CA, 94568	Project Manager Deanna Harding	03/18/02 15 25

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030037 - EPA 5030B (P/T)										
Blank (2030037-BLK1)				Prepared & Analyzed 03/15/02						
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0 50	"							
Toluene	ND	0 50	"							
Ethylbenzene	ND	0 50	"							
Xylenes (total)	ND	0 50	"							
Methyl tert-butyl ether	ND	5 0	"							
Surrogate a,a,a-Trifluorotoluene	*8 69*		"	*10 0*		*86 9*	*70-130*			
LCS (2030037-BS1)				Prepared & Analyzed 03/15/02						
Benzene	9 61	0 50	ug/l	10 0		96 1	70-130			
Toluene	8 95	0 50	"	10 0		89 5	70-130			
Ethylbenzene	9 03	0 50	"	10 0		90 3	70-130			
Xylenes (total)	26 9	0 50	"	30 0		89 7	70-130			
Surrogate a,a a-Trifluorotoluene	*10 1*		"	*10 0*		*101*	*70-130*			
LCS (2030037-BS2)				Prepared & Analyzed 03/15/02						
Purgeable Hydrocarbons as Gasoline	228	50	ug/l	250		91 2	70-130			
Surrogate a a a-Trifluorotoluene	*10 5*		"	*10 0*		*105*	*70-130*			
Matrix Spike (2030037-MS1)		Source: L203015-36		Prepared & Analyzed 03/16/02						
Benzene	9 76	0 50	ug/l	10 0	ND	97 6	60-140			
Toluene	8 73	0 50	"	10 0	ND	87 3	60-140			
Ethylbenzene	8 80	0 50	"	10 0	ND	88 0	60-140			
Xylenes (total)	26 1	0 50	"	30 0	ND	87 0	60-140			
Surrogate a a a-Trifluorotoluene	*8 54*		"	*10 0*		*85 4*	*70-130*			
Matrix Spike Dup (2030037-MSD1)		Source: L203015-36		Prepared & Analyzed 03/16/02						
Benzene	10 4	0 50	ug/l	10 0	ND	104	60-140	6 35	25	
Toluene	9 63	0 50	"	10 0	ND	96 3	60-140	9 80	25	
Ethylbenzene	9 70	0 50	"	10 0	ND	97 0	60-140	9 73	25	
Xylenes (total)	28 9	0 50	"	30 0	ND	96 3	60-140	10 2	25	
Surrogate a,a,a-Trifluorotoluene	*8 53*		"	*10 0*		*85 3*	*70-130*			

Sequoia Analytical

1551 Industrial Road
San Carlos CA 94070
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Gettler-Ryan/Geostrategies(1)	Project Tosco(1)	
6747 Sierra Court, Suite J	Project Number Tosco #5487, Hayward	**Reported.**
Dublin CA, 94568	Project Manager Deanna Harding	03/18/02 15 25

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030038 - EPA 5030B (P/T)										
Blank (2030038-BLK1)				Prepared & Analyzed 03/15/02						
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0 50	"							
Toluene	ND	0 50	"							
Ethylbenzene	ND	0 50	"							
Xylenes (total)	ND	0 50	"							
Methyl tert-butyl ether	ND	5 0	"							
Surrogate a,a a-Trifluorotoluene	*10 6*		"	*10 0*		*106*	*70-130*			
LCS (2030038-BS1)				Prepared & Analyzed 03/15/02						
Benzene	10 3	0 50	ug/l	10 0		103	70-130			
Toluene	10 5	0 50	"	10 0		105	70-130			
Ethylbenzene	10 6	0 50	"	10 0		106	70-130			
Xylenes (total)	31 9	0 50	"	30 0		106	70-130			
Surrogate a a a-Trifluorotoluene	*11 0*		"	*10 0*		*110*	*70-130*			
LCS (2030038-BS2)				Prepared & Analyzed 03/15/02						
Purgeable Hydrocarbons as Gasoline	315	50	ug/l	250		126	70-130			
Surrogate a,a,a-Trifluorotoluene	*11 7*		"	*10 0*		*117*	*70-130*			
Matrix Spike (2030038-MS1)		Source. L203008-03		Prepared & Analyzed 03/15/02						
Benzene	9 73	0 50	ug/l	10 0	ND	97 3	60-140			
Toluene	9 84	0 50	"	10 0	ND	98 4	60-140			
Ethylbenzene	10 1	0 50	"	10 0	ND	101	60-140			
Xylenes (total)	29 5	0 50	"	30 0	ND	98 3	60-140			
Surrogate a,a,a-Trifluorotoluene	*9 56*		"	*10 0*		*95 6*	*70-130*			
Matrix Spike Dup (2030038-MSD1)		Source L203008-03		Prepared & Analyzed 03/15/02						
Benzene	9 81	0 50	ug/l	10 0	ND	98 1	60-140	0 819	25	
Toluene	9 98	0 50	"	10 0	ND	99 8	60-140	1 41	25	
Ethylbenzene	10 4	0 50	"	10 0	ND	104	60-140	2 93	25	
Xylenes (total)	31 1	0 50	"	30 0	ND	104	60-140	5 28	25	
Surrogate a a a-Trifluorotoluene	*9 86*		"	*10 0*		*98 6*	*70-130*			

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Gettler-Ryan/Geostrategies(1)	Project Tosco(1)	
6747 Sierra Court, Suite J	Project Number Tosco #5487, Hayward	**Reported.**
Dublin CA, 94568	Project Manager Deanna Harding	03/18/02 15 25

Volatile Organic 8 Oxygenated Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030010 - EPA 5030B [P/T]										
Blank (2030010-BLK1)				Prepared & Analyzed 03/05/02						
Ethanol	ND	500	ug/l							
1,2-Dibromoethane	ND	2 0	"							
1,2-Dichloroethane	ND	2 0	"							
Di-isopropyl ether	ND	2 0	"							
Ethyl tert-butyl ether	ND	2 0	"							
Methyl tert-butyl ether	ND	2 0	"							
Tert-amyl methyl ether	ND	2 0	"							
Tert-butyl alcohol	ND	100	"							
Surrogate 1,2-Dichloroethane-d4	*47 2*		"	*50 0*		*94 4*	*70-130*			
Surrogate Toluene-d8	*50 7*		"	*50 0*		*101*	*70-130*			
Blank (2030010-BLK2)				Prepared & Analyzed 03/07/02						
Ethanol	ND	500	ug/l							
1,2-Dibromoethane	ND	2 0	"							
1,2-Dichloroethane	ND	2 0	"							
Di-isopropyl ether	ND	2 0	"							
Ethyl tert-butyl ether	ND	2 0	"							
Methyl tert-butyl ether	ND	2 0	"							
Tert-amyl methyl ether	ND	2 0	"							
Tert-butyl alcohol	ND	100	"							
Surrogate 1 2-Dichloroethane-d4	*49 1*		"	*50 0*		*98 2*	*70-130*			
Surrogate Toluene-d8	*50 2*		"	*50 0*		*100*	*70-130*			
LCS (2030010-BS1)				Prepared & Analyzed 03/05/02						
Methyl tert-butyl ether	48 4	2 0	ug/l	50 0		96 8	70-130			
Surrogate 1,2-Dichloroethane-d4	*47 8*		"	*50 0*		*95 6*	*70-130*			
Surrogate Toluene-d8	*49 6*		"	*50 0*		*99 2*	*70-130*			

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Gettler-Ryan/Geostrategies(1)	Project Tosco(1)	
6747 Sierra Court, Suite J	Project Number Tosco #5487, Hayward	**Reported.**
Dublin CA, 94568	Project Manager Deanna Harding	03/18/02 15 25

Volatile Organic 8 Oxygenated Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030010 - EPA 5030B [P/T]										
LCS (2030010-BS2)				Prepared & Analyzed 03/07/02						
Methyl tert-butyl ether	48 0	2 0	ug/l	50 0		96 0	70-130			
Surrogate 1 2-Dichloroethane-d4	*50 5*		"	*50 0*		*101*	*70-130*			
Surrogate Toluene-d8	*51 0*		"	*50 0*		*102*	*70-130*			
Matrix Spike (2030010-MS1)		**Source L203008-02**		Prepared & Analyzed 03/05/02						
Methyl tert-butyl ether	128	2 0	ug/l	50 0	78	100	60-140			
Surrogate 1,2-Dichloroethane-d4	*53 5*		"	*50 0*		*107*	*70-130*			
Surrogate Toluene-d8	*51 3*		"	*50 0*		*103*	*70-130*			
Matrix Spike Dup (2030010-MSD1)		**Source: L203008-02**		Prepared & Analyzed 03/05/02						
Methyl tert-butyl ether	118	2 0	ug/l	50 0	78	80 0	60-140	8 13	25	
Surrogate 1,2-Dichloroethane-d4	*50 7*		"	*50 0*		*101*	*70-130*			
Surrogate Toluene-d8	*49 7*		"	*50 0*		*99 4*	*70-130*			

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Gettler-Ryan/Geostrategies(1)	Project	Tosco(1)	
6747 Sierra Court, Suite J	Project Number	Tosco #5487, Hayward	**Reported.**
Dublin CA, 94568	Project Manager	Deanna Harding	03/18/02 15 25

Notes and Definitions

M-04	MTBE was reported from second analysis
P-03	Chromatogram Pattern Unidentified Hydrocarbons C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

GETTLER-RYAN INC.

TRANSMITTAL

April 19, 2002
G-R #180041

TO: Mr. David B. De Witt
Phillips 66 Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

CC: Mr. Douglas Lee
Gettler-Ryan Inc.
Dublin, California

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

RE: **Tosco (Unocal) Service Station #5487**
28250 Hesperian Boulevard
Hayward, California

WE HAVE ENCLOSED THE FOLLOWING

COPIES	DATED	DESCRIPTION
1	April 11, 2002	Groundwater Monitoring and Sampling Report Annual - Event of March 2, 2002

COMMENTS

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by ***May 3, 2002***, this report will be distributed to the following:

cc: Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94502
Mr. Hugh Murphy, City of Hayward Fire Department, 777 B Street, Hayward, CA 94541

Enclosure

Store# 255487
Report Type Code: CO2
Description: GWTS March Annual Transmittal
Date: 4/19/2002

255487 SS X BP ___
___ TRANSMITTAL X
___ 3___ 4___ 5___ 6___

trans/5487-dbd