GETTLER-RYAN INC.

TRANSMITTAL

June 13, 2002
G-R #180065

R0219

JUL 0 2 2002

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

CC: Mr. Douglas Lee
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

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

RE: Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	May 31, 2002	Groundwater Monitoring and Sampling Report Second Quarter – Event of April 18, 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 ***June 27, 2002***, this report will be distributed to the following:

cc: Mr. Barney M. Chan, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, California 94502
Beretta Investment Group, 39560 Stevenson Place, Suite 118, Fremont, CA 94539

Enclosure

trans/5043.dbd

GETTLER-RYAN INC.

May 31, 2002
G-R Job #180065

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

RE: Second Quarter Event of April 18, 2002
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, 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. Static water level data and groundwater elevations are summarized in Table 1. Product Thickness/Removal Data is summarized in Table 3. 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,

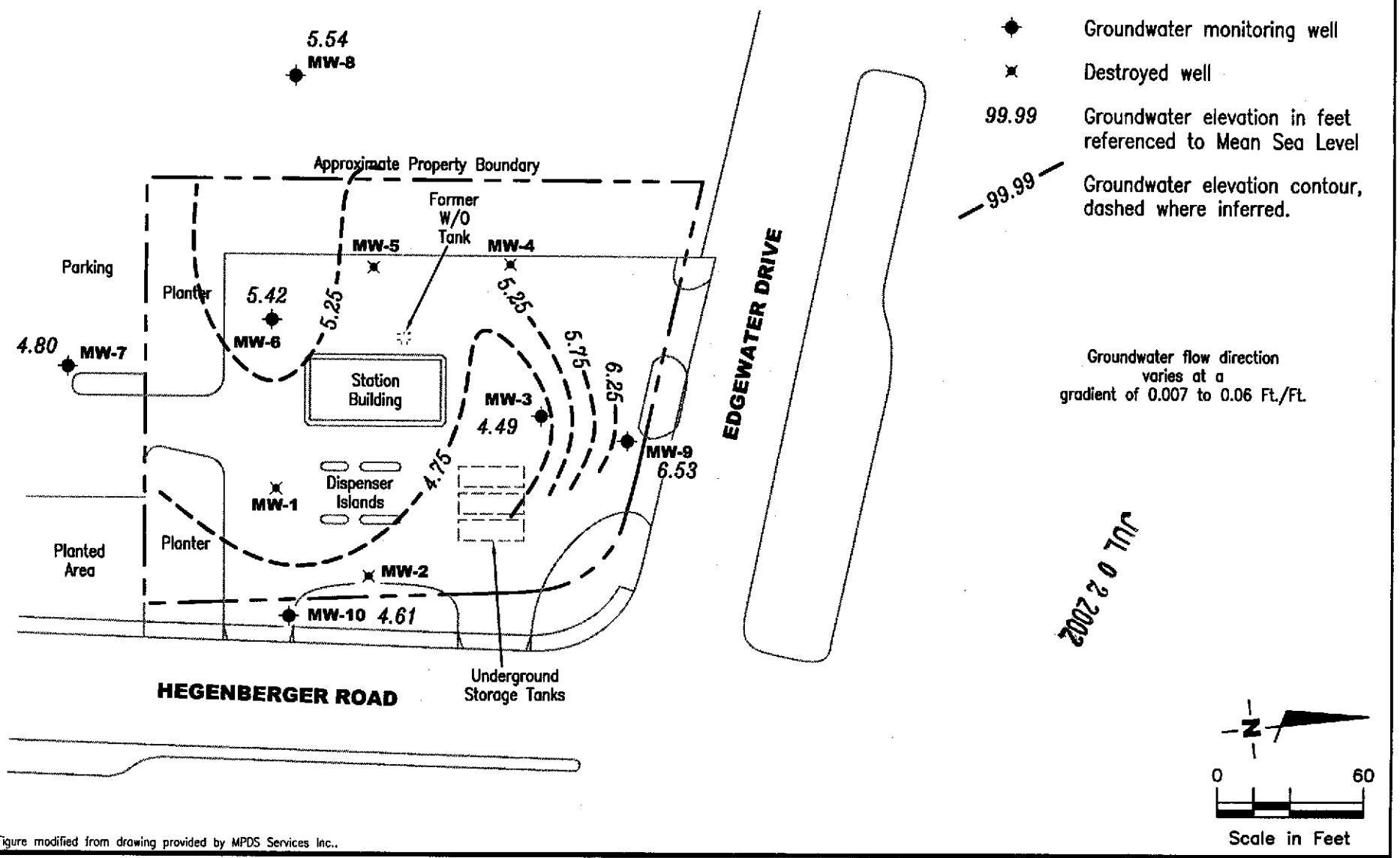
Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Product Thickness/Removal Data
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

5043.qml



Source: Figure modified from drawing provided by MPDS Services Inc..

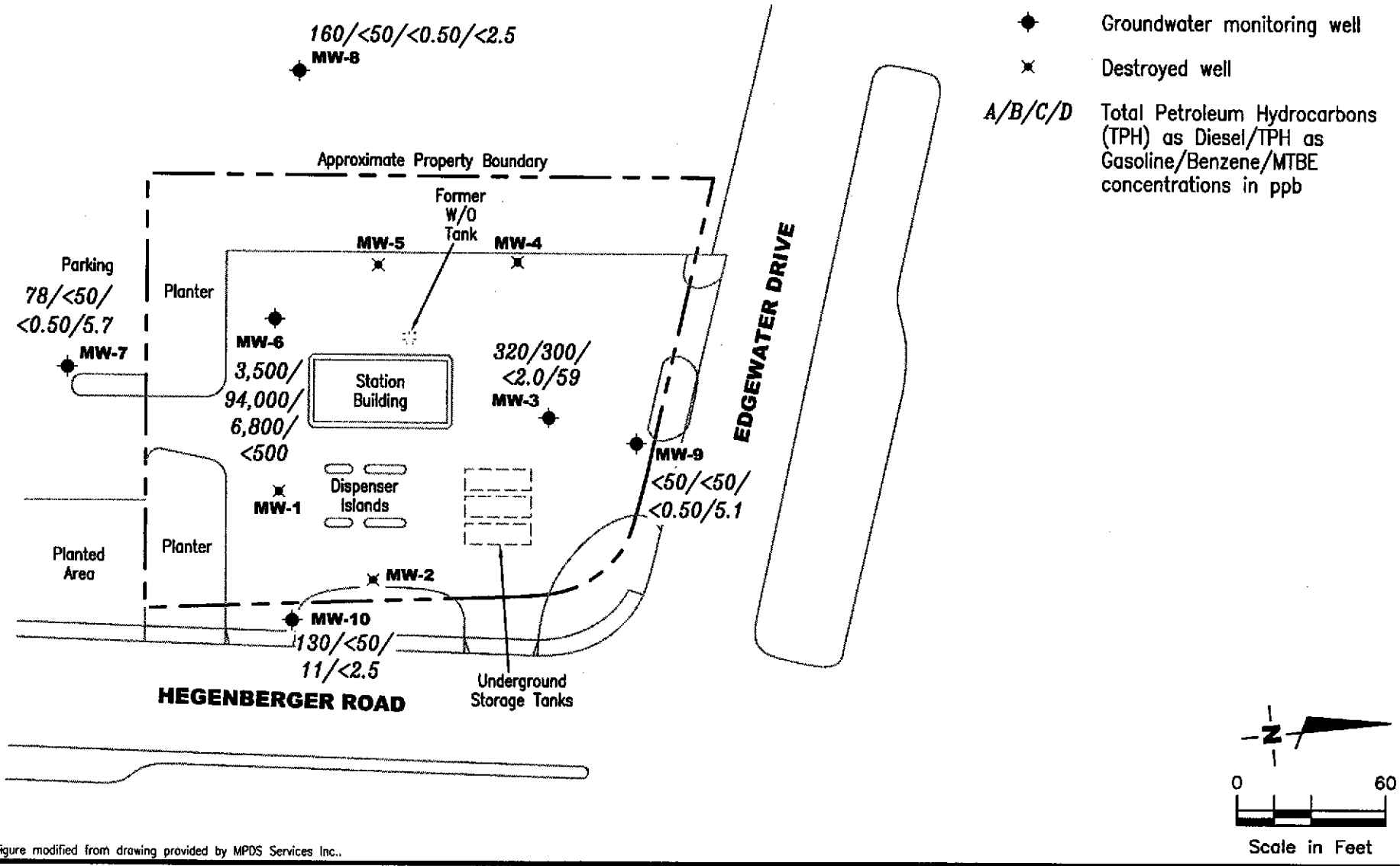
GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568
(925) 551-7555

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180065		April 18, 2002	

FILE NAME: P:\Enviro\TOSCO\5043\002-5043.DWG | Layout Tab: Pot2



Source: Figure modified from drawing provided by MPDS Services Inc..

GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180065		April 18, 2002	

FILE NAME: P:\Enviro\TOSCO\5043\Q02-5043.DWG | Layout Tab: Con2

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	01/14/98	2.16	2.5-14.0	5.88	0.00	340[7]	310	ND	ND	0.62	0.65	140
(cont)	04/01/98	2.20		5.84	0.00	320[7]	370	5.7	ND[9]	ND[9]	ND[9]	93
	07/15/98	3.38		4.66	0.00	510[10]	460[11]	ND[9]	ND[9]	ND[9]	ND[9]	230
	10/16/98	2.30		5.74	0.00	67[13]	330[14]	4.7	ND[9]	ND[9]	ND[9]	60
	01/25/99	2.42		5.62	0.00	120[7]	420[14]	1.5	ND[9]	ND[9]	ND[9]	180
	04/15/99	2.16		5.88	0.00	170[17]	290	0.54	ND	ND	ND	160
	07/14/99	2.35		5.69	0.00	420[19]	290	3.2	ND	ND	ND	160
	10/21/99	2.49		5.55	0.00	350[7]	360[23]	0.77	ND	ND	ND	82
	01/20/00	2.38		5.66	0.00	2,060[1]	ND	0.81	ND	ND	ND	54
	04/13/00	2.76		5.28	0.00	200[21]	250[23]	0.69	ND	ND	ND	91/150[26]
	07/14/00	3.26		4.78	0.00	423[7]	345[27]	ND	ND	ND	ND	94.7
	10/26/00	3.12		4.92	0.00	330[29]	480[23]	6.0	ND[9]	ND[9]	ND[9]	120
	01/03/01	3.65		4.39	0.00	287[7]	364[27]	1.59	ND	ND	ND	118
	04/04/01	3.98		4.06	0.00	360[7]	417[27]	1.24	ND	ND	0.802	237
	07/17/01	3.12		4.92	0.00	270[28]	480[27]	ND	ND	ND	ND	150
	10/01/01	3.25		4.79	0.00	270[7]	310[27]	1.0	<0.50	<0.50	<0.50	53
	01/31/02	2.27		5.77	0.00	250[34]	250[32]	3.5	<1.0	<1.0	<1.0	110
	04/18/02	**3.55**		**4.49**	**0.00**	**320[35]**	**300**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**59**
MW-4	08/31/92	--	--	--	--	90[2]	240[4]	ND	ND	ND	0.54	--
	11/30/92	--		--	--	61	420[4]	ND	ND	ND	ND	--
	02/04/93	--		--	--	ND	ND	ND	ND	ND	ND	--
9.00*	05/04/93	4.09		4.91	0.00	ND	110[3]	0.95	ND	ND	ND	--
	08/04/93	5.01		3.99	0.00	81	250[4]	ND	3.5	ND	4.1	--
8.41	11/03/93	4.23		4.18	0.00	68	130[4]	ND	ND	ND	ND	--
	02/07/94	3.35		5.06	0.00	ND	56[4]	ND	ND	ND	ND	--
	05/19/94	3.92		4.49	0.00	90[2]	140[4]	ND	ND	ND	ND	--
	06/25/94	4.35		4.06	0.00	--	--	--	--	--	--	--
	07/27/94	4.28		4.13	0.00	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	08/15/94	4.27	--	4.14	0.00	72[2]	59[4]	ND	0.6	ND	ND	--
(cont)	11/14/94	4.05		4.36	0.00	ND	130[4]	ND	ND	ND	ND	--
	DESTROYED											
MW-5	08/31/92	--	--	--	--	690[1]	78	0.89	ND	ND	13	--
	11/30/92[5]	--		--	--	470[2]	930	70	290	0.79	14	--
	02/04/93[5]	--		--	--	5,500[2]	5,700	38	ND	620	170	--
	05/04/93[5]	4.37		4.90	0.00	4,600[1]	7,400	41	ND	1,000	35	--
	08/04/93[5]	5.81		3.46	0.00	970[2]	1,500	130	1	460	11	--
8.95	11/03/93	5.68		3.27	0.00	2,100[2]	13,000	350	ND	3,500	530	--
	02/07/94	5.11		3.84	0.00	830[2]	2,000	87	ND	370	110	--
	05/19/94	5.09		3.86	0.00	600[2]	260	44	ND	32	4.1	--
	06/25/94	4.55		4.40	0.00	--	--	--	--	--	--	--
	07/27/94	5.72		3.23	0.00	--	--	--	--	--	--	--
	08/15/94	5.68		3.27	0.00	860[2]	1,600	110	ND	340	72	--
	11/14/94	5.63		3.32	0.00	290[1]	250	40	ND	ND	5	--
	DESTROYED											
MW-6	08/31/92	--	2.5-13.5	--	--	750[2]	ND	ND	ND	ND	ND	--
	11/30/92	--		--	--	1,400[1]	9,200	550	ND	740	1,600	--
	02/04/93	--		--	--	890[2]	3,600	340	ND	290	550	--
9.12♦	05/04/93	3.72		5.40	0.00	1,800[1]	4,900	360	18	450	430	--
	08/04/93	5.15		3.97	0.00	1,100[2]	3,400	390	ND	440	190	--
8.87	11/03/93	5.25		3.62	0.00	390[2]	1,400	320	ND	200	7.7	--
	02/07/94	4.55		4.32	0.00	970[2]	4,900	650	ND	250	35	--
	05/19/94	4.62		4.25	0.00	1,400[2]	3,600	300	1.7	210	41	--
	08/15/94	5.08		3.79	0.00	790[2]	1,300	130	6.7	54	57	--
	11/14/94	5.30		3.57	0.00	800[2]	730	50	ND	ND	39	--
	02/21/95	5.37		3.50	0.00	730[2]	2,000	250	4.6	25	30	--

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449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	05/18/95	--	2.5-13.5	INACCESSIBLE		--	--	--	--	--	--	--
(cont)	08/17/95	--		INACCESSIBLE		--	--	--	--	--	--	--
	07/26/96	6.40		5.03**	3.33	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	10/28/96	4.10		4.93**	0.21	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/13/96	4.02		5.04**	0.25	--	--	--	--	--	--	--
	11/25/96	4.01		5.44**	0.75	--	--	--	--	--	--	--
	12/04/96	3.65		5.61**	0.50	--	--	--	--	--	--	--
	12/19/96	4.80		5.76**	2.20	--	--	--	--	--	--	--
	01/08/97	4.84		5.38**	1.75	--	--	--	--	--	--	--
	01/14/97	4.51		5.25**	1.15	--	--	--	--	--	--	--
	01/27/97	4.00		6.22**	1.75	--	--	--	--	--	--	--
	01/29/97	3.24		5.87**	0.31	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/11/97	4.65		5.14**	1.20	--	--	--	--	--	--	--
	02/24/97	4.81		4.91**	1.10	--	--	--	--	--	--	--
	03/10/97	4.60		5.00**	0.95	--	--	--	--	--	--	--
	03/17/97	4.50		5.06**	0.89	--	--	--	--	--	--	--
	03/31/97	4.65		4.99**	1.00	--	--	--	--	--	--	--
	04/15/97	4.90		4.76**	1.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	04/28/97	4.78		4.11**	0.03	--	--	--	--	--	--	--
	05/15/97	4.60		4.46**	0.25	--	--	--	--	--	--	--
	05/27/97	4.50		4.56**	0.25	--	--	--	--	--	--	--
	06/09/97	4.60		4.42**	0.20	--	--	--	--	--	--	--
	06/24/97	4.50		4.56**	0.25	--	--	--	--	--	--	--
	07/09/97	4.80		4.53**	0.60	--	--	--	--	--	--	--
	07/15/97	4.63		4.56**	0.42	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	07/21/97	4.75		4.31**	0.25	--	--	--	--	--	--	--
	08/06/97	4.50		4.45**	0.10	--	--	--	--	--	--	--
	08/20/97	4.55		4.40**	0.10	--	--	--	--	--	--	--
	09/02/97	4.75		4.16**	0.05	--	--	--	--	--	--	--
	10/09/97	4.84		4.06**	0.04	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	01/14/98	3.90		5.69**	0.94	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	02/12/98	3.35	2.5-13.5	6.01**	0.64	--	--	--	--	--	--	--
(cont)	03/03/98	4.51		4.38**	0.02	--	--	--	--	--	--	--
	04/01/98	3.67		6.43**	1.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/26/98	4.11		5.15**	0.50	--	--	--	--	--	--	--
	06/15/98	5.03		4.07**	0.30	--	--	--	--	--	--	--
	07/15/98	4.56		4.35**	0.05	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/21/98	4.77		4.12**	0.02	--	--	--	--	--	--	--
	09/30/98	5.08		3.81**	0.03	--	--	--	--	--	--	--
	10/16/98	4.31		6.41**	2.40	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/06/98	3.98		5.02**	0.17	--	--	--	--	--	--	--
	11/25/98	3.92		5.03**	0.10	--	--	--	--	--	--	--
	12/28/98	3.90		5.12**	0.20	--	--	--	--	--	--	--
	01/25/99	4.18		5.15**	0.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/22/99	4.07		4.97**	0.22	--	--	--	--	--	--	--
	03/22/99	4.32		4.67**	0.15	--	--	--	--	--	--	--
	04/15/99	4.23		5.37**	0.95	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/28/99	4.38		4.79**	0.39	--	--	--	--	--	--	--
	06/29/99	4.12		4.77**	0.02	--	--	--	--	--	--	--
	07/14/99	4.20		4.69**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/23/99	4.51		4.54**	0.24	--	--	--	--	--	--	--
	09/30/99	4.17		4.83**	0.17	--	--	--	--	--	--	--
	10/21/99	4.27		4.69**	0.12	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/29/99	4.18		4.69	<0.01	--	--	--	--	--	--	--
	12/20/99	4.26		4.62**	0.01	--	--	--	--	--	--	--
	01/20/00	4.31		4.56	<0.01	67,600[1]	130,000[23]	2,900	8,600	2,000	16,000	ND[9]
	02/26/00	3.98		4.89	0.00	--	--	--	--	--	--	--
	03/31/00	4.14		4.73	0.00	--	--	--	--	--	--	--
	04/13/00	4.04		4.83	0.00	8,700[7]	140,000[23]	5,000	14,000	3,600	27,000	7,700
	05/26/00	4.41		4.46	0.00	--	--	--	--	--	--	--
	06/17/00	4.35		4.52	0.00	--	--	--	--	--	--	--
	07/14/00	4.47		4.40	<0.01	133,000[7]	259,000[23]	7,670	13,700	6,860	40,700	[9]ND/ND[9.26]

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	08/24/00	3.71	2.5-13.5	5.16	0.00	--	--	--	--	--	--	--
(cont)	09/27/00	4.33		4.54	0.00	--	--	--	--	--	--	--
	10/26/00	4.32		4.55	0.00	61,000[28]	110,000[23]	7,000	6,200	3,700	12,000	670/43[30]
	01/03/01	4.52		4.35	0.00	929[7]	84,700[23]	3,950	4,130	3,650	11,800	[9]ND/ND[9,26]
	04/04/01	4.29		4.58	0.00	18,000[28]	69,800[23]	2,060	2,840	3,650	10,900	[9]ND/47.8[26]
	07/17/01	4.37		4.50	0.00	20,000[31]	100,000[23]	3,200	3,300	3,400	12,000	ND[9]
	10/01/01	4.45		4.42	0.00	24,000[7]	110,000[23]	3,200	2,400	4,500	13,000	<1,000
	01/31/02	4.03		4.84	0.00	11,000[34]	230,000[32]	2,400	1,800	5,400	16,000	<2,500
	04/18/02	**3.45**		**5.42**	**0.00**	**3,500[35]**	**94,000**	**6,800**	**13,000**	**3,000**	**19,000**	**<500**
MW-7	05/27/97	4.50	3.0-13.0	4.33	0.00	--	68	ND	ND	ND	ND	ND
8.83	06/01/97	4.54		4.29	0.00	69[2]	--	--	--	--	--	--
	07/15/97	4.70		4.13	0.00	ND	ND	ND	ND	ND	ND	ND
	10/09/97	4.30		4.53	0.00	190[1]	ND	ND	ND	ND	ND	ND
	01/14/98	2.88		5.95	0.00	65[7]	ND	ND	ND	ND	ND	36
	04/01/98	3.13		5.70	0.00	ND	ND	ND	ND	ND	ND	ND
	07/15/98	4.45		4.38	0.00	74[12]	ND	ND	ND	ND	ND	ND
	10/16/98	3.45		5.38	0.00	ND	ND	ND	ND	ND	ND	ND
	01/25/99	3.22		5.61	0.00	ND	ND	ND	ND	ND	ND	ND
	04/15/99	3.11		5.72	0.00	ND	ND	ND	ND	ND	ND	ND
	07/14/99	3.34		5.49	0.00	69[20]	ND	ND	ND	ND	ND	ND
	10/21/99	3.43		5.40	0.00	ND	ND	ND	ND	ND	ND	ND
	01/20/00	3.29		5.54	0.00	ND	ND	ND	ND	ND	ND	4.2
	04/13/00	3.39		5.44	0.00	ND[9]	ND	ND	ND	ND	ND	ND
	07/14/00	4.42		4.41	0.00	68.0[7]	ND	ND	ND	ND	ND	7.83
	07/17/01	5.06		3.77	0.00	ND	ND	ND	ND	ND	ND	ND
	10/01/01	4.98		3.85	0.00	<51	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	01/31/02	3.88		4.95	0.00	90[34]	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/18/02	**4.03**		**4.80**	**0.00**	**78[35]**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**5.7**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	05/27/97	3.42	3.0-15.0	5.10	0.00	--	310	0.88	0.67	15	70	ND
8.52	06/01/97	3.46		5.06	0.00	320[2]	--	--	--	--	--	--
	07/15/97	3.49		5.03	0.00	ND	ND	ND	ND	2.7	3.8	ND
	10/09/97	3.73		4.79	0.00	390[1]	590	1.4	ND	32	4.1	ND
	01/14/98	1.92		6.60	0.00	230[7]	ND	ND	ND	ND	ND	ND
	04/01/98	2.38		6.14	0.00	510[7]	ND	ND	ND	ND	ND	4.7
	07/15/98	3.53		4.99	0.00	140[12]	ND	ND	ND	0.56	1.1	ND
	10/16/98	3.04		5.48	0.00	170[15]	ND	ND	ND	ND	ND	ND
	01/25/99	2.92		5.60	0.00	ND[9]	ND	ND	ND	ND	ND	ND
	04/15/99	2.40		6.12	0.00	91[12]	ND	ND	ND	ND	ND	ND
	07/14/99	3.03		5.49	0.00	120[21]	ND	ND	ND	ND	ND	ND
	10/21/99	3.11		5.41	0.00	110[24]	ND	ND	ND	ND	ND	ND
	01/20/00	3.06		5.46	0.00	583[1]	ND	ND	ND	ND	ND	ND
	04/13/00	2.84		5.68	0.00	80[24]	ND	ND	ND	ND	ND	ND
	07/14/00	3.39		5.13	0.00	113[7]	ND	ND	ND	ND	ND	ND
	07/17/01	3.46		5.06	0.00	ND	ND	ND	ND	ND	ND	ND
	10/01/01	3.51		5.01	0.00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	01/31/02	2.75		5.77	0.00	260[34]	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/18/02	**2.98**		**5.54**	**0.00**	**160[35]**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-9	02/21/95	1.98	3.0-13.0	6.31	0.00	71[2]	70[4]	ND	ND	ND	ND	--
8.29	05/18/95	3.47		4.82	0.00	ND	52	ND	1.1	ND	1.9	--
	08/17/95	1.49		6.80	0.00	ND	ND	ND	ND	ND	ND	--
	07/26/96	0.28		8.01	0.00	98	ND	ND	ND	ND	ND	ND
	10/28/96	1.15		7.14	0.00	99[1]	ND	ND	ND	ND	ND	7.6
	01/29/97	1.05		7.24	0.00	54	ND	ND	ND	ND	ND	5.4
	04/15/97	1.88		6.41	0.00	94[1]	ND	ND	ND	ND	ND	5.4
	05/27/97	1.05		7.24	0.00	--	--	--	--	--	--	--
	07/15/97	1.90		6.39	0.00	ND	ND	ND	ND	ND	ND	ND
	10/09/97	1.76		6.53	0.00	160[1]	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	01/14/98	1.26	3.0-13.0	7.03	0.00	110[7]	ND	ND	ND	ND	ND	3.0
(cont)	04/01/98	0.85		7.44	0.00	110[7]	ND	ND	ND	ND	ND	ND
	07/15/98	1.52		6.77	0.00	200[12]	ND	ND	ND	ND	ND	ND
	10/16/98	0.81		7.48	0.00	ND	ND	ND	ND	ND	ND	ND
	01/25/99	0.92		7.37	0.00	ND	ND	ND	ND	ND	ND	ND
	04/15/99	0.90		7.39	0.00	ND	75[18]	21	ND	ND	1.1	680
	07/14/99	1.04		7.25	0.00	140[21]	ND	1.9	ND	ND	ND	260
	10/21/99	1.23		7.06	0.00	210[24]	ND	ND	ND	ND	ND	170
	01/20/00	1.18		7.11	0.00	519[1]	ND	1.1	ND	ND	ND	35
	04/13/00	1.08		7.21	0.00	81[25]	160[23]	0.64	ND	ND	ND	53
	07/14/00	1.43		6.86	0.00	107[7]	ND	ND	ND	ND	ND	20.2
	10/26/00	1.38		6.91	0.00	240[7]	240[23]	2.9	ND	ND	ND	56
	01/03/01	1.66		6.63	0.00	164[7]	166[27]	0.763	0.776	ND	1.28	50.2
	04/04/01	1.27		7.02	0.00	240[7]	296[27]	0.738	ND	ND	0.907	135
	07/17/01	1.38		6.91	0.00	ND	ND	ND	ND	ND	ND	13
	10/01/01	1.93		6.36	0.00	<52	51[18]	<0.50	<0.50	<0.50	<0.50	5.0
	01/31/02	2.08		6.21	0.00	200[34]	<50	<0.50	<0.50	<0.50	<0.50	5.8
	04/18/02	**1.76**		**6.53**	**0.00**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**5.1**
MW-10	02/21/95	4.69	3.0-13.0	3.93	0.00	270[2]	1,500	250	26	9.1	160	--
8.62	05/18/95	4.92		3.70	0.00	75[1]	810	520	ND	18	23	--
	08/17/95	4.05		4.57	0.00	ND	67	25	ND	2.4	ND	--
	07/26/96	4.08		4.54	0.00	ND	ND	3.7	ND	ND	ND	ND
	10/28/96	4.09		4.53	0.00	ND	ND	1.1	ND	ND	ND	ND
	01/29/97	2.94		5.68	0.00	ND	210	41	0.67	7.2	4.8	11
	04/15/97	4.07		4.55	0.00	ND	110	12	ND	0.77	ND	9.7
	05/27/97	4.40		4.22	0.00	--	--	--	--	--	--	--
	07/15/97	4.19		4.43	0.00	ND	ND	2.1	ND	0.67	0.73	ND
	10/09/97	4.75		3.87	0.00	ND	190	38	0.92	6.6	7.6	ND
	01/14/98	2.66		5.96	0.00	--[8]	59	9.5	0.85	1.2	1.7	4.5

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	04/01/98	3.45	3.0-13.0	5.17	0.00	62[7]	230	66	1.7	12	17	6.4
(cont)	07/15/98	4.21		4.41	0.00	78[12]	290	98	45	21	38	21
	10/16/98	4.11		4.51	0.00	ND	160[16]	44	0.96	2.5	10	17
	01/25/99	3.26		5.36	0.00	ND	140	27	ND	2.8	6.8	23
	04/15/99	3.63		4.99	0.00	ND	120	18	ND	1.8	5.1	14
	07/14/99	3.89		4.73	0.00	180[22]	280	55	3.2	11	31	6.1
	10/21/99	4.09		4.53	0.00	96[7]	140[23]	22	0.59	1.7	7.7	5.3
	01/20/00	3.92		4.70	0.00	252[1]	ND	0.73	0.86	ND	ND	5.2
	04/13/00	3.85		4.77	0.00	69[24]	67[23]	54	ND	2.6	ND	3.8
	07/14/00	4.18		4.44	0.00	149[7]	ND	0.547	ND	ND	ND	ND
	10/26/00	3.96		4.66	0.00	83[24]	ND	3.3	ND	0.83	1.5	ND
	01/03/01	4.14		4.48	0.00	126[7]	52.7[23]	5.15	ND	0.823	1.57	ND
	04/04/01	3.88		4.74	0.00	75[24]	129[23]	28.1	1.67	4.97	10.1	ND
	07/17/01	4.08		4.54	0.00	ND	ND	4.1	ND	1.0	1.8	ND
	10/01/01	4.22		4.40	0.00	100[7]	140[23]	30	0.51	4.0	12	<5.0
	01/31/02	3.68		4.94	0.00	170[34]	110[33]	16	<0.50	2.3	5.6	<2.5
	04/18/02	**4.01**		**4.61**	**0.00**	**130[35]**	**<50**	**11**	**<0.50**	**1.4**	**4.5**	**<2.5**
Trip Blank												
TB-LB	01/14/98	--	--	--	--	--	ND	ND	ND	ND	ND	ND
	04/01/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/15/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	10/16/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	01/25/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/15/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/14/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	10/21/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	01/20/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/13/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/14/00	--		--	--	--	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TB-LB	10/26/00	--	--	--	--	--	ND	ND	ND	ND	ND	ND
(cont)	01/03/01	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/04/01	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/17/01	--		--	--	--	ND	ND	ND	ND	ND	ND
	10/01/01	--		--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	01/31/02	--		--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/18/02	**--**		**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to January 14, 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

* TOC elevations are relative to msl, per the City of Oakland Benchmark #3880, (Elevation = 20.37 feet, msl).

** GWE corrected for the presence of free product; correction factor: [(TOC - DTW) + (Product Thickness x 0.77)].

♦ Elevations were based on the top of the well covers and were surveyed relative to msl, per the City of Oakland Benchmark #3880, (Elevation = 20.37 feet).

1 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.

2 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

3 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

4 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.

5 Total Oil and Grease (TOG) was ND.

6 The well was obstructed with debris at 0.55 feet. A water sample was collected but was not analyzed as it was considered not representative of groundwater in this well.

7 Laboratory report indicates unidentified hydrocarbons C9-C24.

8 Sample bottle broken at laboratory.

9 Detection limit raised. Refer to analytical reports.

10 Laboratory report indicates unidentified hydrocarbons >C14 and <C12.

11 Laboratory report indicates gasoline and unidentified hydrocarbons >C8.

12 Laboratory report indicates unidentified hydrocarbons >C14.

13 Laboratory report indicates non diesel mix >C14.

14 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C12.

15 Laboratory report indicates non diesel mix C9-C27.

16 Laboratory report indicates unidentified hydrocarbons <C7.

17 Laboratory report indicates unidentified hydrocarbons >C10.

18 Laboratory report indicates unidentified hydrocarbons C6-C12.

19 Laboratory report indicates unidentified hydrocarbons >C9.

20 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C20.

EXPLANATIONS: (cont)

21 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C16.
22 Laboratory report indicates unidentified hydrocarbons <C14 and >C16.
23 Laboratory report indicates gasoline C6-C12.
24 Laboratory report indicates unidentified hydrocarbons >C16.
25 Laboratory report indicates discrete peaks.
26 MTBE by EPA Method 8260.
27 Laboratory report indicates weathered gasoline C6-C12.
28 Laboratory report indicates unidentified hydrocarbons <C16.
29 Laboratory report indicates unidentified hydrocarbons C9-C40.
30 MTBE by EPA Method 8260 was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.
31 Laboratory report indicates diesel C9-C24.
32 Laboratory report indicates unidentified hydrocarbons C6-C10.
33 Laboratory report indicates gasoline C6-C10.
34 Laboratory report indicates unidentified hydrocarbons C10-C28.
35 Laboratory report indicates hydrocarbon pattern is present in ther requested fuel quantitation range but does not resemble the pattern of the requested fuel.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-3	04/13/00	ND	ND	150	ND	ND	ND	ND	ND
MW-6	07/14/00	--	--	ND[1]	--	--	--	--	--
	10/26/00	--	--	43[2]	--	--	--	--	--
	01/03/01	--	--	ND[1]	--	--	--	--	--
	04/04/01	ND[1]	ND[1]	47.8	ND[1]	ND[1]	ND[1]	ND[1]	ND[1]

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 = Ethylene dibromide/1,2-Dibromoethane
(ppb) = Parts per billion
ND = Not Detected
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

[1] Detection limit raised. Refer to analytical reports.

[2] Laboratory report indicates sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

Table 3

Product Thickness/Removal Data

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID	DATE	DTW (ft.)	Product Thickness (ft.)	Amount Bailed (Product + Water) (gallons)
MW-6	07/26/96	6.40	3.33	2.10
	10/28/96	4.10	0.21	0.14
	11/13/96	4.02	0.25	0.09
	11/25/96	4.01	0.75	0.47
	12/04/96	3.65	0.50	0.43
	12/19/96	4.80	2.20	1.02
	01/08/97	4.84	1.75	0.59
	01/14/97	4.51	1.15	0.66
	01/27/97	4.00	1.75	0.78
	01/29/97	3.24	0.31	0.25
	02/11/97	4.65	1.20	0.62
	02/24/97	4.81	1.10	0.50
	03/10/97	4.60	0.95	0.47
	03/17/97	4.50	0.89	0.35
	03/31/97	4.65	1.00	0.50
	04/15/97	4.90	1.03	0.51
	04/28/97	4.78	0.03	0.20
	05/15/97	4.60	0.25	0.20
	05/27/97	4.50	0.25	0.00
	06/09/97	4.60	0.20	0.23
	06/24/97	4.50	0.25	0.25
	07/09/97	4.80	0.60	0.25
	07/15/97	4.63	0.42	0.20
	07/21/97	4.75	0.25	0.27
	08/06/97	4.50	0.10	0.16
	08/20/97	4.55	0.10	0.20
	09/02/97	4.75	0.05	0.12
	10/09/97	4.84	0.04	0.12
	01/14/98[1]	3.90	0.94	1.50
	02/12/98[1]	3.35	0.64	0.32
	03/03/98[1]	4.51	0.02	2.00
	04/01/98[1]	3.67	1.60	0.50
	05/26/98[1]	4.11	0.50	0.08
	06/15/98[1]	5.03	0.30	0.060
	07/15/98[1]	4.56	0.05	0.10
	08/21/98[1]	4.77	0.02	0.040
	09/30/98[1]	5.08	0.03	0.027
	10/16/98[1]	4.32	2.40	0.98
	11/06/98[1]	3.98	0.17	0.16
	11/25/98[1]	3.92	0.10	0.12
	12/28/98[1]	3.90	0.20	0.14
	01/25/99[1]	4.18	0.60	0.27
	02/22/99[1]	4.07	0.22	0.078 product/3.0 water
	03/22/99[1]	4.32	0.15	0.039 product/5.0 water

Table 3

Product Thickness/Removal Data

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID	DATE	DTW (ft.)	Product Thickness (ft.)	Amount Bailed (Product + Water) (gallons)
MW-6	04/15/99[1]	4.23	0.95	1.0 product
(cont)	05/28/99[1]	4.38	0.39	0.141 product/1.0 water
	06/29/99[1]	4.12	0.02	0.054 product/8.0 water
	07/14/99[1]	4.20	0.03	0.039 product/2.0 water
	08/23/99[1]	4.51	0.24	0.094 product/1.0 water
	09/30/99[1]	4.17	0.17	0.141 product/1.0 water
	10/21/99[1]	4.27	0.12	0.070 product/1.0 water
	11/29/99[2]	4.18	<0.01	0.0078 product/1.0 water
	12/20/99[2]	4.26	0.01	0.0156 product/1.0 water
	01/20/00[2]	4.31	<0.01	0.00
	02/26/00	3.98	0.00	0.00
	03/31/00	4.14	0.00	0.00
	04/13/00	4.04	0.00	0.00
	05/26/00	4.41	0.00	0.00
	06/17/00	4.35	0.00	0.00
	07/14/00	4.47	<0.01	<1 ounce
	08/24/00	3.71	0.00	0.00
	09/27/00	4.33	0.00	0.00
	10/26/00	4.32	0.00	0.00
	01/03/01	4.52	0.00	0.00
	04/04/01	4.29	0.00	0.00
	07/17/01	4.37	0.00	0.00
	10/01/01	4.45	0.00	0.00
	01/31/02	4.03	0.00	0.00
	04/18/02	**3.45**	**0.00**	**0.00**

EXPLANATIONS:

Product Thickness/Removal Data prior to January 14, 1998, were compiled from reports prepared by MPDS Services, Inc.

DTW = Depth to Water

(ft.) = Feet

[1] Skimmer present in well.

[2] No skimmer found in well.

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# Tosco # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 4/18/02

City: Oakland, CA Sampler: HAIG K.

Well ID MW-3 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth 13.95 ft.

Depth to Water 3.55 ft.

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

10.40 X VF 0.17 = 1.7 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

Purge Equipment: [Disposable Bailer] Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: [Disposable Bailer] Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1505 Weather Conditions: SUNNY

Sampling Time: 1530 Water Color: CLEAR Odor:

Purging Flow Rate: gpm. Sediment Description:

Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1511	2	7.12	1289	19.6			
1516	3.5	7.09	1326	19.9			
1522	5	6.97	1344	19.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 AMBER	Y	NO	"	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET.

Client/ Facility# Tosco # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 4/18/02

City: Oakland, CA Sampler: HAIG K.

Well ID MW-6 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth 12.70 ft.

Depth to Water 3.45 ft.

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

9.25 X VF 0.17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

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

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

Starting Time: 1542 Weather Conditions: SUNNY

Sampling Time: 1610 Water Color: CLEAR Odor: _____

Purging Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F/°C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1547	1.5	6.83	2258	19.2			
1553	3	6.76	2304	19.1			
1559	4.5	6.78	2281	19.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 AMBER	Y	NO	"	TPH-D

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 4/18/02

City: Oakland, CA Sampler: HAIG K.

Well ID MW-7 Well Condition: OK

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

Total Depth 13.18 ft.

Depth to Water 4.03 ft.

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

9.15 x VF 0.17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: [Disposable Bailer] Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: [Disposable Bailer] Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 1220 Weather Conditions: SUNNY

Sampling Time: 1245 Water Color: CLEAR Odor: _____

Purging Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F (C)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1226	1.5	7.19	834	20.5			
1232	3	7.10	861	21.3			
1238	4.5	7.12	853	21.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 AMBER	Y	NO	"	TPH-D

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility# Tosco # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 4/18/02

City: Oakland, CA Sampler: HAIG K.

Well ID MW-8 Well Condition: OK

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

Total Depth 14.82 ft.

Depth to Water 2.98 ft.

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

11.84 x VF 0.17 = 2 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: 1258 Weather Conditions: SUNNY

Sampling Time: 1330 Water Color: CLEAR Odor:

Purging Flow Rate: gpm. Sediment Description:

Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F (C)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1305	2	6.49	4459	19.2			
1312	4	6.41	4522	19.5			
1319	6	6.42	4508	19.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 AMBER	Y	NO	"	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET.

Client/ Facility# Tosco # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 4/18/02

City: Oakland, CA Sampler: HAIG K.

Well ID MW-9 Well Condition: OK

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

Total Depth 12.48 ft.

Depth to Water 1.76 ft.

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

10.72 x VF 0.17 = 1.8 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

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

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

Starting Time: 1345 Weather Conditions: SUNNY

Sampling Time: 1410 Water Color: CLOUDY Odor:

Purging Flow Rate: gpm. Sediment Description:

Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F (C)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1351	2	6.91	3485	19.0			
1356	3.5	6.85	3524	19.2			
1402	5	6.82	3533	19.3			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 AMBER	Y	NO	"	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 4/18/02

City: Oakland, CA Sampler: HAIG K.

Well ID MW-10 Well Condition: OK

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

Total Depth 12.77 ft.

Depth to Water 4.01 ft.

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

8.76 X VF 0.17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: [Disposable Bailer] Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: [Disposable Bailer] Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 1422 Weather Conditions: SUNNY

Sampling Time: 1455 Water Color: CLEAR Odor: _____

Purging Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F (C)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1427	1.5	7.68	2395	18.2			
1433	3	7.63	2368	18.6			
1439	4.5	7.61	2390	18.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 AMBER	Y	NO	"	TPH-D

COMMENTS: _____

GLOBAL ID# T0600101476

Chain-of-Custody-Record

TOSCO

Tosco Marketing Company

Facility Number	TOSCO SS# 5043
Facility Address	449 Hegenberger Rd., Oakland, CA
Consultant Project Number	180065.85
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)	HAIG KEVORK
Collection Date	4/18/2002
Signature	[signature]

W204328

Analyses To Be Performed

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)						Remarks
B-LB	-01A	1	W	G		HCL	YES	X													DO NOT BILL TB-LB ANALYSIS
MW-3	-02A-D	4	W	G	1530	HCL, 3 VOA's	↓	X	X												
MW-6	-03	4	W	G	1610	↓	↓	X	X												
MW-7	-04	4	W	G	1245	↓	↓	X	X												
MW-8	-05	4	W	G	1330	↓	↓	X	X												
MW-9	-06	4	W	G	1410	↓	↓	X	X												
MW-10	-07 ↓	4	W	G	1455	↓	↓	X	X												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
[signature]	G-R Inc.					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
			Julianne Fegley		4/18/02 17:00	(As Contracted)

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

3 May, 2002

Deanna L. Harding
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Tosco
Sequoia Report: W204328

Enclosed are the results of analyses for samples received by the laboratory on 18-Apr-02 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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Walnut Creek, CA 94598
(925) 988-9600
FAX (916) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	03-May-02 14:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W204328-01	Water	18-Apr-02 00:00	18-Apr-02 17:00
MW-3	W204328-02	Water	18-Apr-02 15:30	18-Apr-02 17:00
MW-6	W204328-03	Water	18-Apr-02 16:10	18-Apr-02 17:00
MW-7	W204328-04	Water	18-Apr-02 12:45	18-Apr-02 17:00
MW-8	W204328-05	Water	18-Apr-02 13:30	18-Apr-02 17:00
MW-9	W204328-06	Water	18-Apr-02 14:10	18-Apr-02 17:00
MW-10	W204328-07	Water	18-Apr-02 14:55	18-Apr-02 17:00

Sequoia Analytical - Walnut Creek

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.

Charlie Westwater, Project Manager

Sequoia Analytical

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Walnut Creek, CA 94598
(925) 988-9600
FAX (916) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	03-May-02 14:27

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (W204328-01) Water Sampled: 18-Apr-02 00:00 Received: 18-Apr-02 17:00									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	2D29003	29-Apr-02	29-Apr-02	EPA 8015M/8021	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	Q-28
Surrogate: a,a,a-Trifluorotoluene		*112 %*		*70-130*		"	"	"	
MW-3 (W204328-02) Water Sampled: 18-Apr-02 15:30 Received: 18-Apr-02 17:00									
Purgeable Hydrocarbons (C6-C12)	**300**	200	ug/l	4	2D29003	30-Apr-02	30-Apr-02	EPA 8015M/8021	
Benzene	ND	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	**59**	10	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*		*70-130*		"	"	"	
MW-6 (W204328-03) Water Sampled: 18-Apr-02 16:10 Received: 18-Apr-02 17:00									
Purgeable Hydrocarbons (C6-C12)	**94000**	10000	ug/l	200	2D29003	30-Apr-02	30-Apr-02	EPA 8015M/8021	
Benzene	**6800**	100	"	"	"	"	"	"	
Toluene	**13000**	100	"	"	"	"	"	"	
Ethylbenzene	**3000**	100	"	"	"	"	"	"	
Xylenes (total)	**19000**	100	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*		*70-130*		"	"	"	

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Walnut Creek, CA 94598
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www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	03-May-02 14:27

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (W204328-04) Water Sampled: 18-Apr-02 12:45 Received: 18-Apr-02 17:00									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	2D29003	30-Apr-02	30-Apr-02	EPA 8015M/8021	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	**5.7**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*70-130*		"	"	"	"	
MW-8 (W204328-05) Water Sampled: 18-Apr-02 13:30 Received: 18-Apr-02 17:00									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	2D29003	30-Apr-02	30-Apr-02	EPA 8015M/8021	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98 %*	*70-130*		"	"	"	"	
MW-9 (W204328-06) Water Sampled: 18-Apr-02 14:10 Received: 18-Apr-02 17:00									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	2D29003	01-May-02	01-May-02	EPA 8015M/8021	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	**5.1**	2.5	"	"	"	"	"	"	Q-28a
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*70-130*		"	"	"	"	

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Walnut Creek, CA 94598
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FAX (916) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	03-May-02 14:27

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (W204328-07) Water Sampled: 18-Apr-02 14:55 Received: 18-Apr-02 17:00									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	2D29003	30-Apr-02	30-Apr-02	EPA 8015M/8021	
Benzene	**11**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.4**	0.50	"	"	"	"	"	"	
Xylenes (total)	**4.5**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*70-130*		"	"	"	"	

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Walnut Creek, CA 94598
(925) 988-9600
FAX (916) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	03-May-02 14:27

Diesel Hydrocarbons (C10-C23) by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W204328-02) Water	**Sampled: 18-Apr-02 15:30**	**Received: 18-Apr-02 17:00**							
Diesel Range Hydrocarbons (C10-C28)	**320**	50	ug/l	1	2E01007	01-May-02	02-May-02	EPA 8015M	HC-12
Surrogate: n-Octacosane		*%*	*50-150*		"	"	"	"	*S-02*
MW-6 (W204328-03) Water	**Sampled: 18-Apr-02 16:10**	**Received: 18-Apr-02 17:00**							
Diesel Range Hydrocarbons (C10-C28)	**3500**	50	ug/l	1	2E01007	01-May-02	02-May-02	EPA 8015M	HC-12
Surrogate: n-Octacosane		*80 %*	*50-150*		"	"	"	"	
MW-7 (W204328-04) Water	**Sampled: 18-Apr-02 12:45**	**Received: 18-Apr-02 17:00**							
Diesel Range Hydrocarbons (C10-C28)	**78**	50	ug/l	1	2E01007	01-May-02	02-May-02	EPA 8015M	HC-12
Surrogate: n-Octacosane		*94 %*	*50-150*		"	"	"	"	
MW-8 (W204328-05) Water	**Sampled: 18-Apr-02 13:30**	**Received: 18-Apr-02 17:00**							
Diesel Range Hydrocarbons (C10-C28)	**160**	50	ug/l	1	2E01007	01-May-02	02-May-02	EPA 8015M	HC-12
Surrogate: n-Octacosane		*95 %*	*50-150*		"	"	"	"	
MW-9 (W204328-06) Water	**Sampled: 18-Apr-02 14:10**	**Received: 18-Apr-02 17:00**							
Diesel Range Hydrocarbons (C10-C28)	ND	50	ug/l	1	2E01007	01-May-02	02-May-02	EPA 8015M	
Surrogate: n-Octacosane		*93 %*	*50-150*		"	"	"	"	
MW-10 (W204328-07) Water	**Sampled: 18-Apr-02 14:55**	**Received: 18-Apr-02 17:00**							
Diesel Range Hydrocarbons (C10-C28)	**130**	50	ug/l	1	2E01007	01-May-02	02-May-02	EPA 8015M	HC-12
Surrogate: n-Octacosane		*91 %*	*50-150*		"	"	"	"	

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Walnut Creek, CA 94598
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www.sequoialabs.com

Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Tosco Project Number: Tosco # 5043 Project Manager: Deanna L. Harding	**Reported:** 03-May-02 14:27

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2D29003 - EPA 5030B P/T										
Blank (2D29003-BLK1)				Prepared & Analyzed: 29-Apr-02						
Purgeable Hydrocarbons (C6-C12)	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 (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*34.2*		"	*30.0*		*114*	*70-130*			
Blank (2D29003-BLK2)				Prepared & Analyzed: 30-Apr-02						
Purgeable Hydrocarbons (C6-C12)	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 (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*33.7*		"	*30.0*		*112*	*70-130*			
Blank (2D29003-BLK3)				Prepared & Analyzed: 01-May-02						
Purgeable Hydrocarbons (C6-C12)	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 (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*33.6*		"	*30.0*		*112*	*70-130*			
LCS (2D29003-BS1)				Prepared & Analyzed: 29-Apr-02						
Benzene	18.8	0.50	ug/l	20.0		94	70-130			
Toluene	17.6	0.50	"	20.0		88	70-130			
Ethylbenzene	17.6	0.50	"	20.0		88	70-130			
Xylenes (total)	55.4	0.50	"	60.0		92	70-130			
Surrogate: a,a,a-Trifluorotoluene	*31.7*		"	*30.0*		*106*	*70-130*			

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (916) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	03-May-02 14:27

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2D29003 - EPA 5030B P/T										
LCS (2D29003-BS2)				Prepared & Analyzed: 30-Apr-02						
Benzene	21.0	0.50	ug/l	20.0		105	70-130			
Toluene	18.8	0.50	"	20.0		94	70-130			
Ethylbenzene	19.2	0.50	"	20.0		96	70-130			
Xylenes (total)	58.3	0.50	"	60.0		97	70-130			
Surrogate: a,a,a-Trifluorotoluene	*33.0*		"	*30.0*		*110*	*70-130*			
LCS (2D29003-BS3)				Prepared & Analyzed: 01-May-02						
Benzene	20.9	0.50	ug/l	20.0		104	70-130			
Toluene	18.7	0.50	"	20.0		94	70-130			
Ethylbenzene	20.1	0.50	"	20.0		100	70-130			
Xylenes (total)	56.4	0.50	"	60.0		94	70-130			
Surrogate: a,a,a-Trifluorotoluene	*32.6*		"	*30.0*		*109*	*70-130*			
Matrix Spike (2D29003-MS1)		Source: W204393-04		Prepared & Analyzed: 30-Apr-02						
Benzene	21.9	0.50	ug/l	20.0	ND	110	70-130			
Toluene	19.7	0.50	"	20.0	ND	98	70-130			
Ethylbenzene	20.3	0.50	"	20.0	ND	102	70-130			
Xylenes (total)	61.2	0.50	"	60.0	ND	102	70-130			
Surrogate: a,a,a-Trifluorotoluene	*34.2*		"	*30.0*		*114*	*70-130*			
Matrix Spike Dup (2D29003-MSD1)		Source: W204393-04		Prepared & Analyzed: 30-Apr-02						
Benzene	22.6	0.50	ug/l	20.0	ND	113	70-130	3	20	
Toluene	20.0	0.50	"	20.0	ND	100	70-130	2	20	
Ethylbenzene	21.2	0.50	"	20.0	ND	106	70-130	4	20	
Xylenes (total)	59.5	0.50	"	60.0	ND	99	70-130	3	20	
Surrogate: a,a,a-Trifluorotoluene	*36.0*		"	*30.0*		*120*	*70-130*			

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Walnut Creek, CA 94598
(925) 988-9600
FAX (916) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Tosco Project Number: Tosco # 5043 Project Manager: Deanna L. Harding	**Reported:** 03-May-02 14:27

Diesel Hydrocarbons (C10-C23) by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2E01007 - EPA 3510B										
Blank (2E01007-BLK1)				Prepared: 01-May-02 Analyzed: 02-May-02						
Diesel Range Hydrocarbons (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*74.0*		"	*100*		*74*	*50-150*			
LCS (2E01007-BS1)				Prepared: 01-May-02 Analyzed: 02-May-02						
Diesel Range Hydrocarbons (C10-C28)	368	50	ug/l	500		74	60-140			
Surrogate: n-Octacosane	*74.3*		"	*100*		*74*	*50-150*			
LCS Dup (2E01007-BSD1)				Prepared: 01-May-02 Analyzed: 02-May-02						
Diesel Range Hydrocarbons (C10-C28)	329	50	ug/l	500		66	60-140	11	50	
Surrogate: n-Octacosane	*79.3*		"	*100*		*79*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	03-May-02 14:27

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
Q-28	The opening calibration verification standard was outside acceptance criteria by -14%. Although the Laboratory Control Sample verified the accuracy of the batch, this should be considered in evaluating the data for its intended purpose.
Q-28a	The opening calibration verification standard was outside acceptance criteria by -2%. Although the Laboratory Control Sample verified the accuracy of the batch, this should be considered in evaluating the data for its intended purpose.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
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