GETTLER-RYAN INC.

TRANSMITTAL

TO: Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, California 94501

DATE: October 28, 1998
G-R #: 180105

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

RE: Tosco (Unocal) SS #3292
15008 East 14th Street
San Leandro, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 9, 1998	Groundwater Monitoring and Sampling Report Third Quarter 1998 - Event of August 12, 1998

COMMENTS:

At the request of Tosco Marketing Company, we are providing you a copy of the above referenced report. The site is monitored and sampled on an quarterly basis. If you have questions please contact the Tosco Project Manager, Ms. Tina R. Berry at (925) 277-2321.

Enclosure

cc: . Mr. Doug Lee, Gettler-Ryan Inc., Dublin, CA

agency/3292trb.qmt

GETTLER-RYAN INC.

October 9, 1998
G-R Job #180105

Ms. Tina R. Berry
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

RE: Third Quarter 1998 Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #3292
15008 East 14th Street
San Leandro, California

Dear Ms. Berry:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On August 12, 1998, field personnel monitored and sampled thirteen wells (MW-1 through MW-11, MW-2(SP) and MW-3(SP)) at the above referenced site. A joint monitoring event was conducted with the Former Mobil Facility #04-FGN located at 14994 East 14th Street, San Leandro, California, and Chevron Facility #9-2013 located at 15002 Hesperian Boulevard, San Leandro, California.

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 for the referenced site are summarized in Table 1 and Dissolved Oxygen Concentrations are summarized in Table 2. Joint Groundwater Monitoring Data are summarized in Tables 3 and 4. 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 Table 1 and a Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

Deanna L. Harding
Project Coordinator

Barbara Sieminski
Project Geologist, R.G. No. 6676

REGISTERED GEOLOGIST
BARBARA SIEMINSKI
No. 6676
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Dissolved Oxygen Concentrations
Table 3: Joint Groundwater Monitoring Data - Former Mobil Facility
Table 4: Joint Groundwater Monitoring Data - Chevron Facility
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
3292.qml Chain of Custody Document and Laboratory Analytical Reports

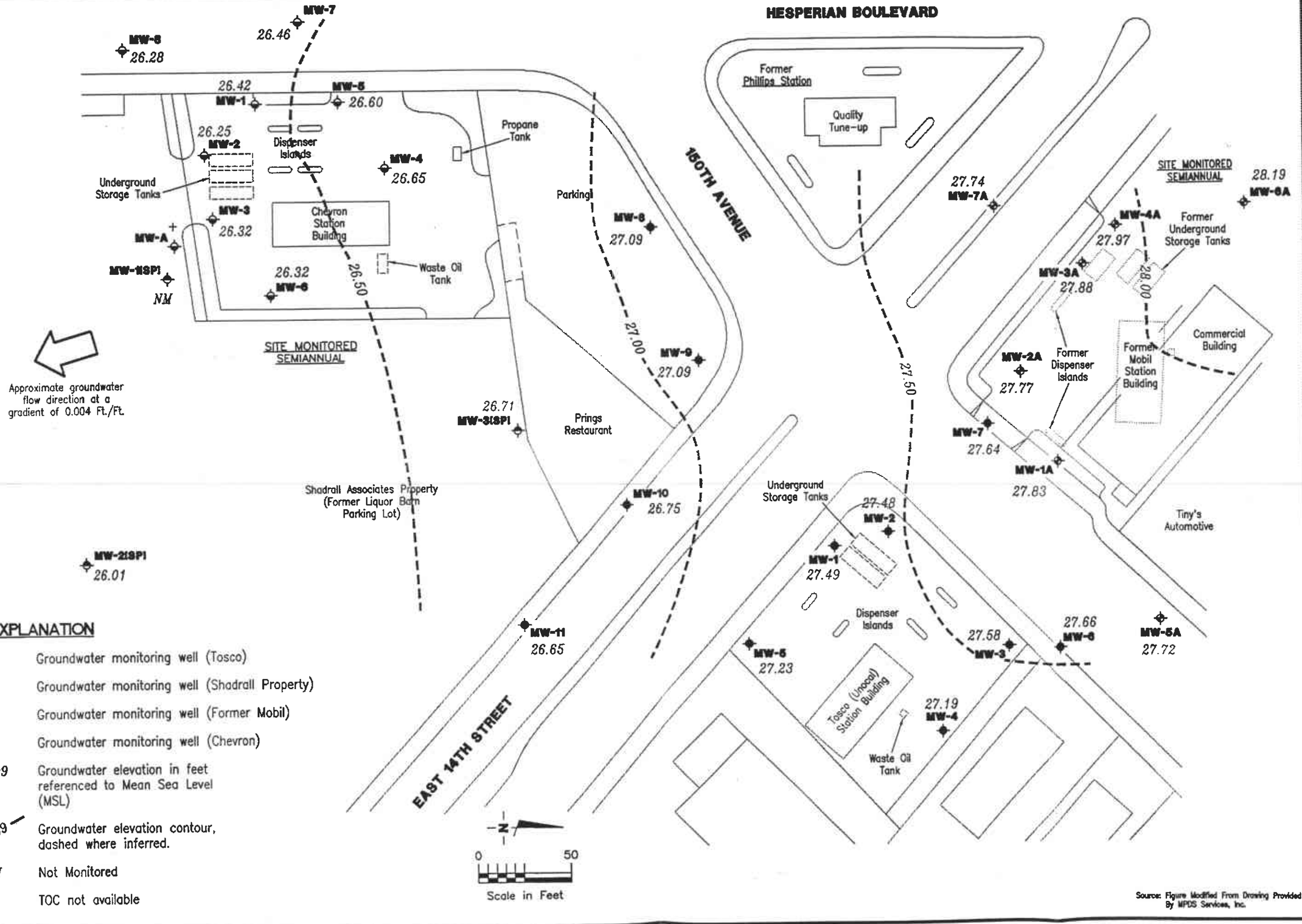

FIGURE 1

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station No. 3292
15008 East 14th Street
San Leandro, California

REVISED DATE

DATE August 12, 1998

REVIEWED BY

JOB NUMBER 180105

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568
(925) 551-7555

HESPERIAN BOULEVARD

150TH AVENUE

EAST 14TH STREET

MW-7
MW-8
MW-5
MW-1
MW-2
MW-4
MW-3
MW-A
MW-1(SP)
NS
MW-6
Dispenser Islands
Propane Tank
Underground Storage Tanks
Chevron Station Building
Waste Oil Tank
Parking
MW-8
240/0.75/ND
MW-9
780/[redacted]/12
MW-3(SP)
110/ND/ND
Prings Restaurant
Shadrall Associates Property (Former Liquor Barn Parking Lot)
MW-10
7,500/
6.9/130
MW-11
1,600/
ND/2,000
MW-2(SP)
ND/ND/ND

Former Phillips Station
Quality Tune-up
MW-7A
MW-4A
MW-6A
Former Underground Storage Tanks
MW-3A
MW-2A
Former Dispenser Islands
Former Mobil Station Building
Commercial Building
MW-7
1,400/
12/30
MW-1A
Tiny's Automotive

Underground Storage Tanks
MW-2
3,100/
44/270
MW-1
ND/ND/
5,800
Dispenser Islands
50/ND/ND
ND/ND/ND
MW-6
MW-6A
MW-5
24,000/
100/1,000
MW-3
Tosco (Unocal) Station Building
ND/ND/ND
MW-4
Waste Oil Tank

N

0 50

Scale in Feet

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

EXPLANATION

- Groundwater monitoring well (Tosco)
- Groundwater monitoring well (Shadrall Property)
- Groundwater monitoring well (Former Mobil)
- Groundwater monitoring well (Chevron)

A/B/C — TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/Benzene/MTBE concentrations in ppb

ND — Not Detected

NS — Not Sampled

FIGURE 2

CONCENTRATION MAP
Tosco (Unocal) Service Station No. 3292
15008 East 14th Street
San Leandro, California

REVISED DATE

DATE August 12, 1998

REVIEWED BY

JOB NUMBER 180105

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568
(925) 551-7555

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<----------ppb---------->					
MW-1	05/04/91	--	--	31,000	74	20	920	1,500	--
	09/19/91	--	--	26,000	130	16	1,300	1,800	--
	12/18/91	--	--	17,000	160	20	1,400	1,600	--
	03/17/92	--	--	23,000	320	19	1,000	940	--
	05/19/92	--	--	29,000	650	370	1,100	1,200	--
	08/20/92	--	--	18,000	230	22	640	950	--
36.72	09/16/92	13.67	23.05	--	--	--	--	--	--
	10/12/92	14.07	22.65	--	--	--	--	--	--
	11/10/92	13.96	22.76	18,000	220	ND	690	830	--
	12/10/92	13.15	23.57	--	--	--	--	--	--
	01/15/93	10.02	26.70	--	--	--	--	--	--
	02/20/93	9.01	27.71	19,000	190	ND	880	620	--
	03/18/93	9.48	27.24	--	--	--	--	--	--
	04/20/93	9.15	27.57	--	--	--	--	--	--
	05/21/93	9.80	26.92	27,000	150	200	1,200	950	--
	06/22/93	10.33	26.39	--	--	--	--	--	--
	07/23/93	10.79	25.93	--	--	--	--	--	--
	08/23/93	11.27	25.45	24,000	160	110	840	810	--
36.37	09/24/93	11.35	25.02	--	--	--	--	--	--
	11/23/93	11.84	24.53	18,000	210	63	900	620	--
	02/24/94	9.45	26.92	18,000	74	30	940	480	--
	05/25/94 [3]	10.45	25.92	6,400	72	ND	170	67	--
	08/23/94	11.98	24.39	24,000	130	57	970	320	--
	11/23/94	11.17	25.20	23,000	180	44	970	270	--
	02/03/95	8.01	28.36	20,000	77	17	950	390	--
	05/10/95	8.51	27.86	16,000	230	27	880	630	--
	08/02/95	10.00	26.37	18,000	190	ND	860	590	--
	11/02/95	11.11	25.26	--	--	--	--	--	--
	11/20/95 [4]	11.19	25.18	20,000	180	ND	960	450	970
	02/08/96	7.74	28.63	15,000	43	16	940	410	5,200
	05/08/96	8.50	27.87	16,000	37	16	930	410	1,600
	08/09/96	9.72	26.65	2,300	25	ND	77	39	1,200
	11/07/96	10.74	25.63	38,000	140	ND	1,900	5,600	ND
	02/10-11/97	7.92	28.45	7,300	91	ND	170	68	1,700
	05/07/97	9.24	27.13	11,000	120	ND	470	110	1,200

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<----------ppb---------->					
MW-1	08/05/97	10.20	26.17	530[1]	5.9	ND	5.6	ND	430
(cont)	11/04/97	10.71	25.66	4,100	50	7.0	64	14	97
	02/12/98	6.27	30.10	8,500	160	ND[7]	550	ND[7]	1,900
36.34	05/15/98	7.62	28.72	5,600	57	ND[7]	290	ND[7]	1,500
	08/12/98	**8.85**	**27.49**	**ND[7]**	**ND[7]**	**ND[7]**	**ND[7]**	**ND[7]**	**5,800**
MW-2	05/04/91	--	--	19,000	6.6	1.4	460	630	--
	09/19/91	--	--	19,000	100	6.8	790	310	--
	12/18/91	--	--	10,000	110	5.1	420	96	--
	03/17/92	--	--	16,000	110	ND	730	220	--
	05/19/92	--	--	17,000	140	87	680	170	--
	08/20/92	--	--	13,000	52	ND	660	70	--
36.89	09/16/92	13.80	23.09	--	--	--	--	--	--
	10/12/92	14.19	22.70	--	--	--	--	--	--
	11/10/92	14.06	22.83	11,000	36	7.2	570	45	--
	12/10/92	13.21	23.68	--	--	--	--	--	--
	01/15/93	10.12	26.77	--	--	--	--	--	--
	02/20/93	9.07	27.82	1,500	2.9	3.8	9.1	ND	--
	03/18/93	9.55	27.34	--	--	--	--	--	--
	04/20/93	9.19	27.70	--	--	--	--	--	--
	05/21/93	9.84	27.05	9,500	37	ND	470	62	--
	06/22/93	10.37	26.52	--	--	--	--	--	--
	07/23/93	10.83	26.06	--	--	--	--	--	--
	08/23/93	11.30	25.59	15,000	110	ND	590	64	--
36.34	09/24/93	11.14	25.20	--	--	--	--	--	--
	11/23/93	11.69	24.65	11,000	80	10	480	20	--
	02/24/94 [5]	9.27	27.07	11,000	44	ND	580	32	--
	05/25/94	10.30	26.04	11,000	50	ND	400	22	--
	08/23/94	11.82	24.52	12,000	45	10	360	20	--
	11/23/94	10.97	25.37	15,000	61	24	440	ND	--
	02/03/95	7.87	28.47	9,700	5.7	ND	250	10	--
	05/10/95	8.38	27.96	7,500	56	4.7	310	33	--
	08/02/95	9.36	26.98	8,200	53	22	220	25	--
	11/02/95	10.95	25.39	5,000	56	4.5	170	7.7	110

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<----------ppb---------->					
MW-2	02/08/96	7.52	28.82	7,200	ND	ND	170	ND	ND
(cont)	05/08/96	8.21	28.13	8,400	5.6	9.0	170	10	130
	08/09/96	9.54	26.80	3,100	24	ND	80	ND	64
	11/07/96	10.69	25.65	36,000	140	ND	1,900	5,600	ND
	02/10-11/97	7.75	28.59	4,600	27	ND	53	ND	ND
	05/07/97	9.14	27.20	5,300	61	ND	78	20	180
	08/05/97	10.23	26.11	3,100	35	ND	13	ND	58
	11/04/97	10.65	25.69	1,200	16	ND	11	25	53
	02/12/98	6.20	30.14	630	12	ND[7]	7.3	ND[7]	48
36.30	05/15/98	7.50	28.80	3,600	19	ND[7]	33	ND[7]	72
	08/12/98	**8.82**	**27.48**	**3,100**	**44**	**6.1**	**15**	**5.7**	**270**
MW-3	05/04/91	--	--	9,100	2.0	ND	55	180	--
	09/19/91	--	--	7,600	ND	13	190	170	--
	12/18/91	--	--	5,900	54	6.4	110	64	--
	03/17/92	--	--	5,800	66	7.5	100	58	--
	05/19/92	--	--	3,400	25	3.6	66	41	--
	08/20/92	--	--	4,500	58	ND	65	35	--
36.84	09/16/92	13.74	23.10	--	--	--	--	--	--
	10/12/92	14.13	22.71	--	--	--	--	--	--
	11/10/92	14.03	22.81	3,400	37	ND	85	34	--
	12/10/92	13.15	23.69	--	--	--	--	--	--
	01/15/93	10.07	26.77	--	--	--	--	--	--
	02/20/93	9.02	27.82	1,600	12	18	8.9	12	--
	03/18/93	9.50	27.34	--	--	--	--	--	--
	04/20/93	9.02	27.82	--	--	--	--	--	--
	05/21/93	9.70	27.14	2,600	42	ND	43	15	--
	06/22/93	10.28	26.56	--	--	--	--	--	--
	07/23/93	10.74	26.10	--	--	--	--	--	--
	08/23/93	11.24	25.60	2,900	25	ND	50	18	--
36.42	09/24/93	11.20	25.22	--	--	--	--	--	--
	11/23/93	11.78	24.64	2,300	34	ND	24	5.6	--
	02/24/94	9.21	27.21	3,400	46	ND	53	11	--
	05/25/94	10.34	26.08	1,400	20	ND	ND	ND	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<--------		ppb			-------->
MW-3	08/23/94	11.88	24.54	2,900	37	49	14	2.9	--
(cont)	11/23/94	10.98	25.44	3,200	48	ND	22	ND	--
	02/03/95	7.82	28.60	780	13	ND	2.1	ND	--
	05/10/95	8.38	28.04	1,300	ND	ND	ND	ND	--
	08/02/95	9.49	26.93	1,500	6.3	ND	16	2.1	--
	11/02/95	11.00	25.42	1,100	5.2	2.1	7.4	0.5	15
	02/08/96	7.41	29.01	450	ND	ND	ND	ND	ND
	05/08/96	8.20	28.22	590	ND	11	10	ND	ND
	08/09/96	9.53	26.89	ND	ND	ND	ND	ND	ND
	11/07/96	10.96	25.46	140	1.2	ND	ND	ND	5.6
	02/10-11/97	7.71	28.71	89	1.8	ND	ND	ND	ND
	05/07/97	9.17	27.25	52[2]	ND	ND	ND	5.1	5.1
	08/05/97	10.27	26.15	ND	ND	ND	ND	ND	ND
	11/04/97	10.83	25.59	93	1.8	ND	ND	ND	6.2
	02/12/98	6.00	30.42	56	0.59	ND	ND	ND	2.7
36.42	05/15/98	7.42	29.00	130[8]	0.68	ND	ND	0.63	10
	08/12/98	**8.84**	**27.58**	**50**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-4	05/04/91	--	--	6,300	ND	ND	2.8	61	--
	09/19/91	--	--	1,800	0.83	ND	54	46	--
	12/18/91	--	--	2,500	28	2.5	54	22	--
	03/17/92	--	--	1,800	3.7	1.4	90	21	--
	05/19/92	--	--	2,000	20	3.5	42	8.3	--
	08/20/92	--	--	1,000	15	ND	11	3.0	--
37.40	09/16/92	14.31	23.09	--	--	--	--	--	--
	10/12/92	14.72	22.68	--	--	--	--	--	--
	11/10/92	14.57	22.83	690	9.1	ND	16	2.8	--
	12/10/92	13.67	23.73	--	--	--	--	--	--
	01/15/93	10.62	26.78	--	--	--	--	--	--
	02/20/93	9.59	27.81	2,400	40	2.1	33	ND	--
	03/18/93	9.97	27.43	--	--	--	--	--	--
	04/20/93	9.67	27.73	--	--	--	--	--	--
	05/21/93	10.32	27.08	1,900	31	ND	20	4.5	--
	06/22/93	10.91	26.49	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<----------ppb---------->					
MW-4	07/23/93	11.38	26.02	--	--	--	--	--	--
(cont)	08/23/93	11.86	25.54	1,200	5.0	ND	16	ND	--
37.04	09/24/93	11.85	25.19	--	--	--	--	--	--
	11/23/93	12.44	24.60	720	10	ND	8.7	ND	--
	02/24/94	9.89	27.15	1,300	8.9	ND	20	ND	--
	05/25/94	11.02	26.02	1,700	22	ND	4.5	ND	--
	08/23/94	12.57	24.47	690	9.2	1.3	7.1	1.9	--
	11/23/94	11.65	25.39	420	5.0	1.1	4.2	1.2	--
	02/03/95	8.52	28.52	620	6.4	ND	9.3	ND	--
	05/10/95	9.97	27.07	280	2.8	ND	2.7	2.4	--
	08/02/95	10.18	26.86	290	3.6	ND	2.8	ND	--
	11/02/95	11.67	25.37	42,000	390	210	2,800	6,300	270
	02/08/96	8.15	28.89	130	2.1	ND	1.5	0.69	ND
	05/08/96	INACCESSIBLE	--	--	--	--	--	--	--
	08/09/96	10.24	26.80	ND	ND	ND	ND	ND	ND
	11/07/96	11.58	25.46	ND	ND	ND	ND	ND	ND
	02/10-11/97	8.45	28.59	ND	ND	ND	ND	ND	ND
	05/07/97	9.85	27.19	ND	ND	ND	ND	ND	ND
	08/05/97	11.04	26.00	50	0.76	ND	ND	ND	ND
	11/04/97	11.46	25.58	ND	ND	ND	ND	ND	ND
	02/12/98	5.75	31.29	ND	ND	ND	ND	ND	ND
37.04	05/15/98	7.28	29.76	ND	ND	ND	ND	ND	ND
	08/12/98	**9.85**	**27.19**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-5	05/04/91	--	--	69,000	1,400	2,500	3,500	15,000	--
	09/19/91	--	--	57,000	1,600	2,700	5,200	20,000	--
	12/18/91	--	--	31,000	1,600	3,100	4,800	19,000	--
	03/17/92	--	--	81,000	850	1,600	4,800	18,000	--
	05/19/92	--	--	84,000	760	1,500	4,000	17,000	--
	08/20/92	--	--	58,000	660	1,700	4,200	19,000	--
36.40	09/16/92	13.37	23.03	--	--	--	--	--	--
	10/12/92	13.75	22.65	--	--	--	--	--	--
	11/10/92	13.68	22.72	57,000	800	1,800	4,400	18,000	--
	12/10/92	12.58	23.82	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<----------ppb---------->					
MW-5	01/15/93	9.71	26.69	--	--	--	--	--	--
(cont)	02/20/93	8.69	27.71	17,000	75	ND	1,000	620	--
	03/18/93	9.16	27.24	--	--	--	--	--	--
	04/20/93	8.88	27.52	--	--	--	--	--	--
	05/21/93	9.56	26.84	55,000	ND	160	3,500	12,000	--
	06/22/93	10.05	26.35	--	--	--	--	--	--
	07/23/93	10.53	25.87	--	--	--	--	--	--
	08/23/93	10.98	25.42	61,000	340	380	3,600	14,000	--
35.94	09/24/93	10.94	25.00	--	--	--	--	--	--
	11/23/93	11.45	24.49	46,000	290	310	4,100	15,000	--
	02/24/94	9.02	26.92	57,000	140	400	4,400	16,000	--
	05/25/94	10.03	25.91	53,000	ND	ND	4,000	14,000	--
	08/23/94	11.57	24.37	61,000	360	380	4,800	17,000	--
	11/23/94	10.71	25.23	46,000	230	260	3,900	14,000	--
	02/03/95	7.69	28.25	56,000	140	330	3,500	13,000	--
	05/10/95	8.20	27.74	27,000	160	170	2,200	5,200	--
	08/02/95	9.23	26.71	65,000	260	300	3,500	12,000	--
	11/02/95	10.70	25.24	240	0.76	ND	1.1	ND	ND
	02/08/96	7.36	28.58	54,000	210	150	3,400	12,000	170
	05/08/96	8.25	27.69	52,000	170	200	3,600	11,000	170
	08/09/96	9.37	26.57	25,000	54	16	1,700	4,700	ND
	11/07/96	10.65	25.29	2,100	42	ND	9.3	ND	2,300
	02/10-11/97	7.63	28.31	15,000	46	29	1,400	4,100	ND
	05/07/97	8.98	26.96	38,000	120	ND	2,000	5,100	380
	08/05/97	11.08	24.86	310	1.0	ND	17	40	ND
	11/04/97	10.72	25.22	20,000	ND	ND	1,500	2,800	280
	02/12/98	6.08	29.86	33,000	120	ND[7]	1,700	3,800	ND[7]
35.92	05/15/98	7.40	28.52	30,000	ND[7]	ND[7]	2,200	4,900	ND[7]
	08/12/98	**8.69**	**27.23**	**24,000**	**100**	**ND[7]**	**ND[7]**	**3,400**	**1,000**
MW-6	05/19/92	--	--	1,300	2.0	2.1	ND	2.7	--
	08/20/92	--	--	280	8.4	ND	0.51	0.84	--
36.03	09/16/92	12.91	23.12	--	--	--	--	--	--
	10/12/92	13.28	22.75	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<--------		ppb			-------->
MW-6	11/10/92	13.18	22.85	490	7.0	1.2	1.7	ND	--
(cont)	12/10/92	12.33	23.70	--	--	--	--	--	--
	01/15/93	9.25	26.78	--	--	--	--	--	--
	02/20/93	8.24	27.79	2,400	43	ND	33	2.0	--
	03/18/93	8.74	27.29	--	--	--	--	--	--
	04/20/93	8.12	27.91	--	--	--	--	--	--
	05/21/93	8.83	27.20	940	18	1.0	7.1	2.7	--
	06/22/93	9.38	26.65	--	--	--	--	--	--
	07/23/93	9.87	26.16	--	--	--	--	--	--
	08/23/93	10.35	25.68	1,000	9.4	2.3	5.0	2.3	--
35.67	09/24/93	10.34	25.33	--	--	--	--	--	--
	11/23/93	10.96	24.71	520	ND	1.7	1.9	0.82	--
	02/24/94 [5]	8.39	27.28	810	12	ND	2.6	0.77	--
	05/25/94	9.55	26.12	500	11	ND	ND	0.73	--
	08/23/94	10.97	24.70	570	8.8	2.5	3.2	2.6	--
	11/23/94	10.21	25.46	460	6.4	1.1	1.9	1.1	--
	02/03/95	6.99	28.68	660	4.8	13	1.4	ND	--
	05/10/95	7.53	28.14	470	ND	0.65	1.4	0.67	--
	08/02/95	8.68	26.99	360	3.2	ND	1.6	ND	--
	11/02/95	10.20	25.47	470	ND	0.92	0.89	0.58	5.5
	02/08/96	6.66	29.01	450	3.1	ND	1.1	0.68	ND
	05/08/96	7.40	28.27	ND	ND	ND	ND	ND	ND
	08/09/96	8.72	26.95	ND	ND	ND	ND	ND	ND
	11/07/96	10.12	25.55	ND	ND	ND	ND	ND	ND
	02/10-11/97	6.88	28.79	ND	ND	ND	ND	ND	ND
	05/07/97	8.32	27.35	ND	ND	1.1	ND	ND	ND
	08/05/97	9.64	26.03	55	0.79	ND	ND	ND	ND
	11/04/97	10.30	25.37	ND	ND	ND	ND	ND	ND
	02/12/98	5.10	30.57	ND	ND	ND	ND	ND	ND
35.68	05/15/98	6.61	29.07	ND	ND	ND	ND	ND	ND
	08/12/98	**8.02**	**27.66**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-7	05/19/92	--	--	17,000	540	90	1,200	1,900	--
	08/20/92	--	--	13,000	460	54	ND	3,100	--
36.40	09/16/92	13.23	23.17	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<--------		ppb			-------->
MW-7	10/12/92	13.65	22.75	--	--	--	--	--	--
(cont)	11/10/92	13.54	22.86	1,800	74	ND	230	350	--
	12/10/92	12.52	23.88	--	--	--	--	--	--
	01/15/93	9.59	26.81	--	--	--	--	--	--
	02/20/93	8.55	27.85	1,800	37	4.6	11	7.7	--
	03/18/93	8.98	27.42	--	--	--	--	--	--
	04/20/93	8.52	27.88	--	--	--	--	--	--
	05/21/93	9.16	27.24	22,000	330	37	2,100	2,900	--
	06/22/93	9.66	26.74	--	--	--	--	--	--
	07/23/93	10.15	26.25	--	--	--	--	--	--
	08/23/93	10.65	25.75	33,000	360	ND	2,500	4,300	--
36.09	09/24/93	10.77	25.32	--	--	--	--	--	--
	11/23/93	11.28	24.81	19,000	310	30	2,500	2,300	--
	02/24/94 [5]	8.95	27.14	16,000	220	19	2,400	3,200	--
	05/25/94	10.00	26.09	14,000	200	ND	1,500	1,800	--
	08/23/94	11.43	24.66	19,000	210	50	2,000	2,800	--
	11/23/94	10.69	25.40	10,000	220	ND	1,000	730	--
	02/03/95	7.49	28.60	26,000	170	ND	2,300	3,700	--
	05/10/95	7.88	28.21	1,300	13	1.5	170	230	--
	08/02/95	9.02	27.07	15,000	200	ND	2,200	2,000	--
	11/02/95	10.55	25.54	18,000	190	9.4	2,100	2,200	72
	02/08/96	7.13	28.96	19,000	150	ND	2,100	3,000	ND
	05/08/96	7.11	28.98	13,000	130	18	1,900	1,600	85
	08/09/96	9.07	27.02	11,000	67	ND	1,700	1,800	ND
	11/07/96	10.76	25.33	32,000	160	ND	3,300	8,400	570
	02/10-11/97	7.22	28.87	7,100	55	ND	ND	620	ND
	05/07/97	8.47	27.62	6,000	74	ND	560	330	250
	08/05/97	10.25	25.84	5,000	66	ND	420	240	ND
	11/04/97	10.69	25.40	20,000	67	ND	2,300	4,300	430
	02/12/98	5.02	31.07	5,500	95	ND[7]	150	110	ND[7]
36.06	05/15/98	6.98	29.08	1,300	ND[7]	ND[7]	69	64	88
	08/12/98	**8.42**	**27.64**	**1,400**	**12**	**2.3**	**67**	**ND[7]**	**30**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<----------		ppb			---------->
MW-8	05/19/92	--	--	5,300	28	3.3	2.6	2.1	--
	08/20/92	--	--	3,500[1]	67	11	ND	ND	--
37.14	09/16/92	14.13	23.01	--	--	--	--	--	--
	10/12/92	14.51	22.63	--	--	--	--	--	--
	11/10/92	14.46	22.68	1,800	20	ND	ND	ND	--
	12/10/92	13.51	23.63	--	--	--	--	--	--
	01/15/93	10.50	26.64	--	--	--	--	--	--
	02/20/93	9.50	27.64	2,200	32	ND	42	5.0	--
	03/18/93	9.89	27.25	--	--	--	--	--	--
	04/20/93	9.91	27.23	--	--	--	--	--	--
	05/21/93	10.40	26.74	2,500	44	ND	ND	ND	--
	06/22/93	10.86	26.28	--	--	--	--	--	--
	07/23/93	11.29	25.85	--	--	--	--	--	--
	08/23/93	11.76	25.38	280[1]	49	4.5	ND	ND	--
36.89	09/24/93	12.00	24.89	--	--	--	--	--	--
	11/23/93	12.38	24.51	1,800	ND	3.4	ND	ND	--
	02/24/94	10.44	26.45	1,200	10	2.3	ND	3.2	--
	05/25/94	11.12	25.77	14,000	29	ND	ND	ND	--
	08/23/94	12.61	24.28	3,200	46	18	2.0	7.2	--
	11/23/94	11.98	24.91	1,700	34	ND	ND	3.1	--
	02/03/95	9.16	27.73	800	6.1	ND	ND	ND	--
	05/10/95	9.35	27.54	1,400	15	1.5	0.65	0.84	--
	08/02/95	10.40	26.49	690	8.3	1.9	ND	ND	--
	11/02/95	11.80	25.09	1,200	ND	1.9	0.56	ND	6.4
	02/08/96	8.98	27.91	--	--	--	--	--	--
	02/14/96[6]	9.24	27.65	650	9.0	1.2	ND	0.52	ND
	05/08/96	9.46	27.43	1,200	0.7	35	2.2	3.0	ND
	08/09/96	10.47	26.42	350	ND	12	0.81	0.95	ND
	11/07/96	11.71	25.18	1,000	23	ND	ND	ND	ND
	02/10-11/97	8.84	28.05	630	13	ND	ND	8.1	ND
	05/07/97	10.12	26.77	1,200[1]	26	3.4	ND	20	20
	08/05/97	11.26	25.63	590[1]	9.8	ND	ND	ND	ND
	11/04/97	11.58	25.31	640	14	1.9	5.7	11	ND
	02/12/98	7.34	29.55	770[8]	20	3.0	ND[7]	ND[7]	ND[7]
36.87	05/15/98	8.67	28.20	840[8]	10	ND[7]	ND[7]	3.1	ND[7]
	08/12/98	**9.78**	**27.09**	**240[10]**	**0.75**	**ND**	**ND**	**ND**	**ND**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<--------		ppb			-------->
MW-9	05/19/92	--	--	8,100	11	ND	25	5.8	--
	08/20/92	--	--	3,800[1]	37	ND	ND	ND	--
36.92	09/16/92	13.90	23.02	--	--	--	--	--	--
	10/12/92	14.28	22.64	--	--	--	--	--	--
	11/10/92	14.22	22.70	4,200	ND	ND	21	23	--
	12/10/92	13.40	23.52	--	--	--	--	--	--
	01/15/93	10.24	26.68	--	--	--	--	--	--
	02/20/93	9.22	27.70	2,300	47	ND	32	ND	--
	03/18/93	9.55	27.37	--	--	--	--	--	--
	04/20/93	9.62	27.30	--	--	--	--	--	--
	05/21/93	10.16	26.76	3,200	32	ND	8.1	ND	--
	06/22/93	10.62	26.30	--	--	--	--	--	--
	07/23/93	11.07	25.85	--	--	--	--	--	--
	08/23/93	11.54	25.38	3,000	29	ND	ND	ND	--
36.29	09/24/93	11.18	25.11	--	--	--	--	--	--
	11/23/93	11.80	24.49	2,500	23	2.1	ND	ND	--
	02/24/94	9.74	26.55	2,900	35	ND	ND	ND	--
	05/25/94	10.48	25.81	ND	ND	ND	ND	ND	--
	08/23/94	11.99	24.30	2,800	28	32	ND	ND	--
	11/23/94	11.31	24.98	2,000	24	2.2	2.2	2.5	--
	02/03/95	8.45	27.84	2,100	26	2.5	ND	ND	--
	05/10/95	8.70	27.59	1,700	0.81	2.2	1.0	1.4	--
	08/02/95	9.75	26.54	1,900	26	6.6	ND	3.9	--
	11/02/95	11.16	25.13	1,600	ND	1.3	ND	ND	11
	02/08/96	8.15	28.14	1,900	ND	ND	ND	ND	ND
	05/08/96	8.75	27.54	1,700	1.9	22	1.7	2.7	ND
	08/09/96	9.84	26.45	200	ND	4.5	ND	0.58	ND
	11/07/96	11.10	25.19	920	24	ND	ND	ND	ND
	02/10-11/97	8.15	28.14	580	14	2.4	ND	ND	16
	05/07/97	9.45	26.84	810	11	3.9	1.7	9.9	13
	08/05/97	10.70	25.59	850[1]	21	ND	ND	ND	33
	11/04/97	11.05	25.24	730	11	ND	5.1	11	ND
	02/12/98	6.60	29.69	820[8]	23	3.2	ND[7]	ND[7]	18
36.27	05/15/98	8.01	28.26	390	5.5	1.2	ND	13	13
	08/12/98	**9.18**	**27.09**	**780**	**14**	**ND**	**0.52**	**ND**	**12**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<----------ppb---------->					
MW-10	08/20/92	--	--	15,000	230	ND	1,000	350	--
36.26	09/16/92	13.28	22.98	--	--	--	--	--	--
	10/12/92	13.67	22.59	--	--	--	--	--	--
	11/10/92	13.59	22.67	15,000	300	42	3,500	330	--
	12/10/92	12.53	23.73	--	--	--	--	--	--
	01/15/93	9.60	26.66	--	--	--	--	--	--
	02/20/93	8.57	27.69	17,000	74	ND	1,000	620	--
	03/18/93	9.03	27.23	--	--	--	--	--	--
	04/20/93	9.09	27.17	--	--	--	--	--	--
	05/21/93	9.63	26.63	23,000	250	ND	3,000	240	--
	06/22/93	10.12	26.14	--	--	--	--	--	--
	07/23/93	10.54	25.72	--	--	--	--	--	--
	08/23/93	10.99	25.27	20,000	230	13	3,200	140	--
36.04	09/24/93	11.17	24.87	--	--	--	--	--	--
	11/23/93	11.67	24.37	18,000	300	10	2,800	110	--
	02/24/94	9.57	26.47	15,000	330	19	2,000	83	--
	05/25/94	10.32	25.72	14,000	240	ND	230	62	--
	08/23/94	11.81	24.23	16,000	250	41	1,800	74	--
	11/23/94	11.10	24.94	16,000	260	ND	1,600	49	--
	02/03/95	8.32	27.72	17,000	310	ND	1,500	93	--
	05/10/95	8.70	27.34	12,000	260	16	1,200	54	--
	08/02/95	9.55	26.49	8,900	240	ND	780	40	--
	11/02/95	11.03	25.01	9,300	190	ND	470	1.7	110
	02/08/96	8.05	27.99	9,700	170	ND	440	ND	ND
	05/08/96	8.70	27.34	7,100	100	ND	240	ND	43
	08/09/96	9.76	26.28	4,400	59	7.5	110	6.5	73
	11/07/96	10.92	25.12	6,300	65	ND	110	ND	130
	02/10-11/97	8.10	27.94	6,800	91	ND	100	ND	210
	05/07/97	9.28	26.76	4,800	76	ND	50	ND	160
	08/05/97	10.51	25.53	4,200	52	ND	40	ND	81
	11/04/97	11.02	25.02	4,500	49	ND	63	ND	84
	02/12/98	6.85	29.19	6,200	98	ND[7]	91	ND[7]	420
36.02	05/15/98	8.05	27.97	7,200	84	ND[7]	84	ND[7]	260
	08/12/98	**9.27**	**26.75**	**7,500**	**6.9**	**11**	**47**	**ND[7]**	**130**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<--------		ppb			-------->
MW-11	08/20/92	--	--	4,600[1]	62	ND	ND	54	--
35.83	09/16/92	12.93	22.90	--	--	--	--	--	--
	10/12/92	13.30	22.53	--	--	--	--	--	--
	11/10/92	13.20	22.63	5,800	130	ND	260	42	--
	12/10/92	12.24	23.59	--	--	--	--	--	--
	01/15/93	9.23	26.60	--	--	--	--	--	--
	02/20/93	8.20	27.63	18,000	76	ND	1,000	630	--
	03/18/93	8.77	27.06	--	--	--	--	--	--
	04/20/93	8.86	26.97	--	--	--	--	--	--
	05/21/93	9.40	26.43	7,100	64	ND	340	120	--
	06/22/93	9.87	25.96	--	--	--	--	--	--
	07/23/93	10.29	25.54	--	--	--	--	--	--
	08/23/93	10.73	25.10	5,400	68	ND	230	43	--
35.50	09/24/93	10.83	24.67	--	--	--	--	--	--
	11/23/93	11.28	24.22	3,400	105	ND	120	43	--
	02/24/94	9.20	26.30	4,600	170	ND	140	36	--
	05/25/94	9.94	25.56	1,400	49	ND	26	ND	--
	08/23/94	11.39	24.11	7,300	250	13	150	42	--
	11/23/94	10.67	24.83	5,800	250	10	120	22	--
	02/03/95	8.02	27.48	4,400	110	ND	150	37	--
	05/10/95	8.36	27.14	4,200	120	ND	170	38	--
	08/02/95	9.31	26.19	4,200	110	ND	110	22	--
	11/02/95	10.85	24.65	6,100	150	ND	78	6.8	6,200
	02/08/96	7.76	27.74	--	--	--	--	--	--
	02/14/96 [6]	8.18	27.32	3,100	60	ND	98	ND	4,000
	05/08/96	8.50	27.00	3,500	120	ND	160	ND	6,400
	08/09/96	9.46	26.04	1,100	42	ND	15	ND	4,300
	11/07/96	10.58	24.92	2,900	57	ND	13	ND	3,400
	02/10-11/97	7.88	27.62	600	9.5	ND	ND	ND	3,100
	05/07/97	9.07	26.43	1,900	45	ND	31	ND	2,400
	08/05/97	10.23	25.27	2,100	35	ND	24	ND	1,800
	11/04/97	10.51	24.99	98	1.6	ND	ND	ND	ND
	02/12/98	6.59	28.91	670	12	ND[7]	ND[7]	ND[7]	1,400
35.50	05/15/98	7.73	27.77	1,200[9]	7.9	ND[7]	30	ND[7]	1,600
	08/12/98	**8.85**	**26.65**	**1,600[11]**	**ND[7]**	**ND[7]**	**ND[7]**	**ND[7]**	**2,000**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	TPH(G)	B	T	E	X	MTBE
				<----------ppb---------->					
MW-2(SP)									
35.44	05/08/96	9.12	26.32	540	0.68	21	1.0	1.7	ND
	08/09/96	9.98	25.46	170	ND	7.8	ND	ND	ND
	11/07/96	10.98	24.46	430	8.9	1.5	ND	ND	10
	02/10-11/97	8.63	26.81	230[2]	4.6	1.0	ND	ND	10
	05/07/97	9.58	25.86	ND	ND	ND	ND	ND	14
	08/05/97	10.62	24.82	360	5.5	50	ND	ND	ND
	11/04/97	11.06	24.38	280	2.9	13	ND	0.54	ND
	02/12/98	7.71	27.73	440[8]	10	1.6	ND	0.69	13
	05/15/98	8.50	26.94	540[8]	10	1.1	ND	1.1	15
	08/12/98	**9.43**	**26.01**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-3(SP)									
35.81	05/08/96	8.73	27.08	4,700	7.9	36	13	4.0	42
	08/09/96	9.73	26.08	2,000	ND	14	7.6	ND	ND
	11/07/96	10.88	24.93	1,800	29	ND	ND	ND	40
	02/10-11/97	8.16	27.65	3,500	70	14	ND	ND	150
	05/07/97	9.35	26.46	3,100	48	ND	ND	ND	110
	08/05/97	10.44	25.37	3,200	43	5.7	ND	ND	61
	11/04/97	10.90	24.91	2,600	34	ND	ND	ND	53
	02/12/98	6.77	29.04	3,200	62	ND[7]	ND[7]	ND[7]	100
35.82	05/15/98	8.02	27.80	ND	ND	ND	ND	ND	2.5
	08/12/98	**9.11**	**26.71**	**110**	**ND**	**4.1**	**ND**	**ND**	**ND**
Trip Blank									
TB-LB	02/12/98	--	--	ND	ND	ND	ND	ND	ND
	05/15/98	--	--	ND	ND	ND	ND	ND	ND
	08/12/98	**--**	**--**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #3292
15008 East 14th Street
San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to February 12, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing elevation
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
msl = Relative to mean sea level
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
(SP) = Shadrall Property wells

* TOC elevations are relative to Mean Sea Level (msl), per a Benchmark located at the northwest corner of East 14th Street and 150th Avenue (Elevation = 36.88 feet msl). TOC elevations for MW-2(SP) and MW-3(SP) are relative to msl, per Chevron monitoring well MW-6 used as a benchmark (Elevation = 36.92 feet msl). On April 16, 1998, three wells were re-surveyed using City of San Leandro Benchmark being a cinch nail in the top of curb at a catch basin at the westerly corner of East 14th Street and 150th Avenue, Benchmark (Elevation = 36.883 feet, msl). Prior to September 24, 1993, DTW measurement were taken from the top of well covers.

1 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
2 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
3 The analytical results of the groundwater were inconsistent with the previous analytical results for this well. The laboratory re-analyzed the sample past hold time; therefore the results may be biased low.
4 The monitoring well was resampled on November 20, 1995. The vial containing the water sample collected from this well on November 2, 1995, was inadvertently broken by the laboratory.
5 All EPA Method 8010 constituents were ND.
6 The monitoring wells MW-8 and MW-11 were resampled on February 14, 1996. The vials containing the water samples collected from the wells on February 8, 1996, were inadvertently broken by the laboratory.
7 Detection limit raised. Refer to analytical results.
8 Laboratory report indicates gasoline and unidentified hydrocarbons $<$C7.
9 Laboratory report indicates gasoline and discrete peaks C6-C12.
10 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C8.
11 Laboratory report indicates weathered gasoline C6-C12.

Table 2

Dissolved Oxygen Concentrations

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID	Date	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-1	11/02/95	1.80	2.83	--
	02/08/96	--	2.58	--
	05/08/96	--	--	1.92
	08/09/96	--	2.14	--
	11/07/96	--	2.11	2.18
	02/11/97	--	--	2.05
	08/05/97	--	--	1.88
	11/04/97	--	--	2.67
	02/12/98	--	2.38	--
	05/15/98	--	2.12	--
	08/12/98	**--**	**1.77**	**--**
MW-2	11/02/95	2.30	2.80	--
	02/08/96	--	2.21	--
	05/08/96	--	--	3.89
	08/09/96	--	3.36	--
	11/07/96	--	1.96	1.98
	02/11/97	--	--	2.12
	08/05/97	--	--	2.38
	11/04/97	--	--	2.18
	02/12/98	--	2.04	--
	05/15/98	--	2.33	--
	08/12/98	**--**	**2.50**	**--**
MW-3	11/02/95	2.20	4.98	--
	02/08/96	--	2.78	--
	05/08/96	--	--	3.73
	08/09/96	--	3.29	--
	11/07/96	--	3.15	3.98
	02/10/97	--	--	3.59
	08/05/97	--	--	2.86
	11/04/97	--	--	2.95
	02/12/98	--	3.12	--
	05/15/98	--	3.97	--
	08/12/98	**--**	**4.21**	**--**
MW-4	11/02/95	3.00	7.91	--
	02/08/96	--	2.66	--
	05/08/96	--	--	--
	08/09/96	--	2.92	--
	11/07/96	--	4.32	4.38
	02/10/97	--	--	3.87
	08/05/97	--	--	5.12
	11/04/97	--	--	3.98
	02/12/98	--	4.88	--
	05/15/98	--	5.13	--
	08/12/98	**--**	**5.62**	**--**

Table 2

Dissolved Oxygen Concentrations

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID	Date	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-5	11/02/95	3.00	2.30	--
	02/08/96	--	2.35	--
	05/08/96	--	--	1.29
	08/09/96	--	2.19	--
	11/07/96	--	1.84	1.82
	02/10/97	--	--	2.07
	08/05/97	--	--	2.36
	11/04/97	--	--	1.99
	02/12/98	--	1.79	--
	05/15/98	--	1.66	--
	08/12/98	**--**	**1.71**	**--**
MW-6	11/02/95	3.80	4.55	--
	02/08/96	--	3.77	--
	05/08/96	--	--	3.40
	08/09/96	--	3.53	--
	11/07/96	--	3.99	4.06
	02/10/97	--	--	3.85
	08/05/97	--	--	5.37
	11/04/97	--	--	3.67
	02/12/98	--	4.05	--
	05/15/98	--	5.28	--
	08/12/98	**--**	**4.96**	**--**
MW-7	11/02/95	--	--	--
	02/08/96	--	2.67	--
	05/08/96	--	--	2.20
	08/09/96	--	2.37	--
	11/07/96	--	2.22	2.28
	02/11/97	--	--	2.33
	08/05/97	--	--	2.69
	11/04/97	--	--	2.82
	02/12/98	--	3.24	--
	05/15/98	--	2.95	--
	08/12/98	**--**	**3.19**	**--**
MW-8	11/02/95	--	--	--
	02/08/96	--	3.85	--
	05/08/96	--	--	2.09
	08/09/96	--	2.56	--
	11/07/96	--	1.67	1.84
	02/10/97	--	--	2.10
	08/05/97	--	--	3.04
	11/04/97	--	--	2.11
	02/12/98	--	1.98	--
	05/15/98	--	2.44	--
	08/12/98	**--**	**2.83**	**--**

Table 2

Dissolved Oxygen Concentrations

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID	Date	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-9	11/02/95	--	--	--
	02/08/96	--	3.62	--
	05/08/96	--	--	2.20
	08/09/96	--	2.51	--
	11/07/96	--	2.06	2.02
	02/10/97	--	--	1.96
	08/05/97	--	--	2.57
	11/04/97	--	--	2.60
	02/12/98	--	2.27	--
	05/15/98	--	2.62	--
	08/12/98	**--**	**1.90**	**--**
MW-10	11/02/95	3.10	3.96	--
	02/08/96	--	2.88	--
	05/08/96	--	--	2.71
	08/09/96	--	2.63	--
	11/07/96	--	1.81	1.84
	02/10/97	--	--	2.03
	08/05/97	--	--	2.78
	11/04/97	--	--	2.11
	02/12/98	--	2.63	--
	05/15/98	--	2.24	--
	08/12/98	**--**	**2.43**	**--**
MW-11	11/02/95	2.60	3.55	--
	02/08/96	--	2.19	--
	05/08/96	--	--	2.06
	08/09/96	--	2.11	--
	11/07/96	--	2.35	2.36
	02/10/97	--	--	2.18
	08/05/97	--	--	3.19
	11/04/97	--	--	2.01
	02/12/98	--	2.44	--
	05/15/98	--	1.80	--
	08/12/98	**--**	**2.05**	**--**
MW-2 (SP)[1]	11/07/96	--	2.85	2.80
	02/11/97	--	--	2.73
	08/05/97	--	--	3.99
	11/04/97	--	--	3.06
	02/12/98	--	3.11	--
	05/15/98	--	3.97	--
	08/12/98	**--**	**3.62**	**--**

Table 2

Dissolved Oxygen Concentrations

Tosco (Unocal) Service Station #3292

15008 East 14th Street

San Leandro, California

Well ID	Date	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-3 (SP)[1]	11/07/96	--	2.41	2.40
	02/11/97	--	--	2.55
	08/05/97	--	--	3.74
MW-3 (SP)[1]	11/04/97	--	--	2.95
(cont)	02/12/98	--	3.17	--
	05/15/98	--	4.06	--
	08/12/98	--	**3.98**	--

EXPLANATIONS:

Dissolved oxygen concentrations prior to February 12, 1998, were compiled from reports prepared by MPDS Services, Inc.

♦ = Measurement taken in field

-- = Not Measured/Not Analyzed

SP = Shadrall Property wells

[1] Wells located on Shadrall Property.

Table 3

Joint Groundwater Monitoring Data
Former Mobil Facility #04-FGN
14994 East 14th Street
San Leandro, California

Well ID/ TOC*	Date	DTW (ft)	GWE (msl)
MW-1A			
36.63	02/12/98	5.52	31.11
	08/12/98	**8.80**	**27.83**
MW-2A			
36.62	02/12/98	5.59	31.03
	08/12/98	**8.85**	**27.77**
MW-3A			
36.93	02/12/98	5.72	31.21
	08/12/98	**9.05**	**27.88**
MW-4A			
37.18	02/12/98	5.90	31.28
	08/12/98	**9.21**	**27.97**
MW-5A			
35.91	02/12/98	5.32	30.59
	08/12/98	**8.19**	**27.72**
MW-6A			
37.10	02/12/98	5.52	31.58
	08/12/98	**8.91**	**28.19**
MW-7A			
37.39	02/12/98	6.55	30.84
	08/12/98	**9.65**	**27.74**

EXPLANATIONS:

Groundwater monitoring data provided by Alton GeoScience. Site monitored on a semi-annual basis.

TOC = Top of Casing elevation
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
msl = Relative to mean sea level

* TOC elevations have been surveyed relative to msl.

Table 4

Joint Groundwater Monitoring Data

Chevron Facility #9-2013

15002 Hesperian Boulevard

San Leandro, California

Well ID/ TOC*	Date	DTW (ft)	GWE (msl)
MW-1			
35.77	11/04/97	11.35	24.42
	05/15/98	8.11	27.66
	08/12/98	**9.35**	**26.42**
MW-2			
35.00	11/04/97	10.70	24.30
	05/15/98	7.63	27.37
	08/12/98	**8.75**	**26.25**
MW-3			
36.17	11/04/97	11.75	24.42
	05/15/98	8.75	27.42
	08/12/98	**9.85**	**26.32**
MW-4			
36.05	11/04/97	11.47	24.58
	05/15/98	8.27	27.78
	08/12/98	**9.40**	**26.65**
MW-5			
35.65	11/04/97	11.17	24.48
	05/15/98	7.92	27.73
	08/12/98	**9.05**	**26.60**
MW-6			
36.92	11/04/97	12.42	24.50
	05/15/98	9.45	27.47
	08/12/98	**10.60**	**26.32**
MW-7			
35.71	11/04/97	11.01	24.70
	05/15/98	8.11	27.60
	08/12/98	**9.25**	**26.46**
MW-8			
35.28	11/04/97	10.63	24.65
	05/15/98	7.98	27.30
	08/12/98	**9.00**	**26.28**
MW-A			
	11/04/97	11.45	--
	05/15/98	8.51	--
	08/12/98	**9.60**	--

EXPLANATIONS:

Groundwater monitoring data provided by Blaine Tech Services, Inc. Site monitored on a semi-annual basis.

TOC = Top of Casing elevation
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
msl = Relative to mean sea level
-- = Not Available

* TOC elevations have been surveyed relative to msl.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-1 Well Condition: o.k.

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

Total Depth 18.94 ft.

Depth to Water 8.85 ft.

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

10.09 X VF 0.17 = 1.72 X 3 (case volume) = Estimated Purge Volume: 5.2 (gal.)

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

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

Starting Time: 9:48 Weather Conditions: clear

Sampling Time: 10:17 AM Water Color: clear Odor: strong

Purging Flow Rate: 0.5 gpm. Sediment Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:02	2	7.33	1.57	66.1	1.77		
10:04	3	7.52	1.67	66.2			
10:06	5.5	7.60	1.72	66.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

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

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

Total Depth 19.10 ft.

Depth to Water 8.82 ft.

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

10.28 X VF 0.17 = 1.75 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

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

Sampling Equipment:
- Disposable Bailer
- ~~Bailer~~
- Pressure Bailer
- Grab Sample
- Other: _____

Starting Time: 10:37 Weather Conditions: clear

Sampling Time: 10:57 A.M Water Color: clear Odor: Strong

Purging Flow Rate: 0.5 gpm. Sediment Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:43	2	7.31	1.60	65.6	2.50		
10:45	3	7.41	1.44	65.7			
10:47	5.5	7.30	1.43	65.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th St. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-3 Well Condition: O.K.

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

Total Depth 22.13 ft.

Depth to Water 8.84 ft.

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

13.29 X VF 0.17 = 2.26 X 3 (case volume) = Estimated Purge Volume: 7 (gal.)

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

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

Starting Time: 11:14 Weather Conditions: clear

Sampling Time: 11:35 A.M. Water Color: clear Odor: None

Purging Flow Rate: 1 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 10^3	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:19	2.5	7.05	6.12	69.9	4.21		
11:21	5	7.15	6.36	70.8			
11:23	7	7.18	6.42	71.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-4 Well Condition: o.k.

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

Total Depth 19.63 ft.

Depth to Water 9.85 ft.

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

9.78 x VF 0.17 = 1.66 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: 11:51 Weather Conditions: clear

Sampling Time: 12:18 P.M. Water Color: clear Odor: None

Purging Flow Rate: 0.5 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 10³	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:02	1.5	7.61	7.18	66.2	5.62		
12:04	3	7.52	6.95	66.1			
12:06	5	7.42	6.90	66.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-5 Well Condition: o.k.

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

Total Depth 22.07 ft.

Depth to Water 8.69 ft.

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

13.38 X VF 0.17 = 2.27 X 3 (case volume) = Estimated Purge Volume: 7 (gal.)

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

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

Starting Time: 12:33 Weather Conditions: clear

Sampling Time: 12:55 P.M. Water Color: clear Odor: Strong

Purging Flow Rate: 1 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:40	2.5	7.44	1.25	66.2	1.71		
12:43	5	7.47	1.36	66.3			
12:46	7	7.49	1.38	66.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

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

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

Total Depth 20.10 ft.

Depth to Water 8.02 ft.

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

12.08 X VF 0.17 = 2.55 X 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

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

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

Starting Time: 1:36 Weather Conditions: clear

Sampling Time: 2:00 p.m. Water Color: clear Odor: None

Purging Flow Rate: 1 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 10V	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:48	2	7.18	6.51	71.2	4.96		
1:50	4	7.23	6.46	71.5			
1:53	6.5	7.29	6.42	71.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-7 Well Condition: o.k.

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

Total Depth 21.08 ft.

Depth to Water 8.42 ft.

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

12.66 X VF 0.17 = 2.15 X 3 (case volume) = Estimated Purge Volume: 7 (gal.)

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

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

Starting Time: 2:25 Weather Conditions: clear

Sampling Time: 2:43 p.m. Water Color: clear Odor: strong

Purging Flow Rate: 1 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:33	2.5	7.35	1.96	71.0	3.19		
2:36	5	7.45	1.95	70.8			
2:39	7	7.55	1.90	71.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-8 Well Condition: o.k.

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

Total Depth 19.00 ft.

Depth to Water 9.78 ft.

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

9.22 X VF 0.17 = ~~1.56~~ 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: 3.10 Weather Conditions: clear

Sampling Time: 3:28 p.m. Water Color: clear Odor: some

Purging Flow Rate: 0.2 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 10V	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
3:16	1.5	7.50	3.15	66.1	2.83		
3:18	3	7.20	3.25	65.9			
3:20	5	7.13	3.18	65.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-9 Well Condition: o.k.

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

Total Depth 19.03 ft.

Depth to Water 9.18 ft.

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

9.85 X VF 0.17 = 1.67 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: 3:47 Weather Conditions: clear

Sampling Time: 4:15 P.M. Water Color: clear Odor: Strong

Purging Flow Rate: 0.5 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x10³	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
3:58	1.5	7.29	2.96	66.2	1.90		
4:00	3	7.49	3.12	66.4			
4:02	5	7.52	2.95	66.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-10 Well Condition: o.k.

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

Total Depth 19.83 ft.

Depth to Water 9.27 ft.

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

10.56 X VF 0.17 = 1.80 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment: ~~Disposable Bailer~~, Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: Disposable Bailer, ~~Bailer~~, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 4:40 Weather Conditions: clear

Sampling Time: 5:05 P.M. Water Color: clear Odor: None

Purging Flow Rate: 0.5 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x10	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
4:50	1.5	7.10	4.23	65.8	2.43		
4:52	3	7.02	4.25	65.9			
4:55	5.5	7.04	4.27	65.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-11 Well Condition: o.k.

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

Total Depth 18.90 ft.

Depth to Water 8.85 ft.

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

10.05 X VF 0.17 = 1.71 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

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

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

Starting Time: 5:30 Weather Conditions: clear

Sampling Time: 5:535 pm Water Color: clear Odor: strong

Purging Flow Rate: 0.5 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
5:38	1.5	7.80	1.69	65.5	2.05		
5:40	3	7.65	1.72	65.7			
5:42	5.5	7.53	1.75	65.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-2(SP) Well Condition: o.k.

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

Total Depth 20.88 ft.

Depth to Water 9.43 ft.

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

11.45 X VF 0.17 = 1.95 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: 6:16 Weather Conditions: clear

Sampling Time: 6:38 p.m. Water Color: clear Odor: None

Purging Flow Rate: 0.5 gpm. Sediment-Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 10³	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
6:24	2	7.38	5.09	66.1	3.62		
6:26	4	7.45	5.06	66.1			
6:29	6	7.46	5.05	66.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2(SP)	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 3292 Job#: 180105

Address: 15008 E. 14th st. Date: 8-12-98

City: San Leandro Sampler: Joe

Well ID MW-3(SP) Well Condition: o.k.

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

Total Depth 20.68 ft.

Depth to Water 9.11 ft.

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

11.57 X VF 0.17 = 1.97 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: 6:58 Weather Conditions: clear

Sampling Time: 7:18 p.m. Water Color: clear Odor: Yes

Purging Flow Rate: 0.5 gpm. Sediment-Description: None

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)
7:00	2	7.70	2.85	66.0	3.98		
7:03	4	7.26	2.87	65.9			
7:05	6	7.22	2.90	66.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3(SP)	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldst.frm

Chain-of-Custody-Record

TOSCO

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

98-08-849

Facility Number: Unocal SS#3292
Facility Address: 15008 East 14th St., San Leandro, CA
Consultant Project Number: 180105.85
Consultant Name: Gettler-Ryan Inc. (G-R Inc.)
Address: 6747 Sierra Court, Suite J, Dublin, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone): 510-551-7555 (Fax Number): 510-551-7888

Contact (Name): Ms. Tina R. Berry
(Phone): (510) 277-2321
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): JOE AJEMIAN
Collection Date: 8-12-98
Signature:

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)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (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)					DO NOT BILL TB-LB ANALYSIS: Remarks
TB-LB		1 VOA	W	—	—	HCL	Y	✓												
MW-1		3 VOA	/	G	10:17 A.M	—	—	✓												
MW-2		/	/	/	10:57 A.M	—	—	✓												
MW-3		/	/	/	11:35 A.M	—	—	✓												
MW-4		/	/	/	12:18 P.M	—	—	✓												
MW-5		/	/	/	12:55 P.M	—	—	✓												
MW-6		/	/	/	2:09 P.M	—	—	✓												
MW-7		/	/	/	2:43 P.M	—	—	✓												
MW-8		/	/	/	3:28 P.M	—	—	✓												
MW-9		/	/	/	4:15 P.M	—	—	✓												
MW-10		/	/	/	5:05 P.M	—	—	✓												
MW-11		/	/	/	5:53 P.M	—	—	✓												
MW-2(SP)		/	/	/	6:38 P.M	—	—	✓												
MW-3(SP)		/	/	/	7:18 P.M	—	—	✓												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	8/13/98 3:35 P.M.			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					8/13/98 15:35

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: TB-LB	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/25/98
Attention: Deanna Harding	Lab Number: 9808849-01	Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	93

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: MW-1	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/24/98
Attention: Deanna Harding	Lab Number: 9808849-02	Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	N.D.
Methyl t-Butyl Ether	**100**	**5800**
Benzene	20	N.D.
Toluene	20	N.D.
Ethyl Benzene	20	N.D.
Xylenes (Total)	20	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: MW-2	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/24/98
Attention: Deanna Harding	Lab Number: 9808849-03	Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	3100
Methyl t-Butyl Ether	12	270
Benzene	2.5	44
Toluene	2.5	6.1
Ethyl Benzene	2.5	15
Xylenes (Total)	2.5	5.7
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	112

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: UNOCAL/SS#3292/180105.85
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808849-04

Sampled: 08/12/98
Received: 08/13/98

Analyzed: 08/25/98
Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**50**
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	86

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: UNOCAL/SS#3292/180105.85
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808849-05

Sampled: 08/12/98
Received: 08/13/98

Analyzed: 08/25/98
Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	85

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: MW-5	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/26/98
Attention: Deanna Harding	Lab Number: 9808849-06	Reported: 09/08/98

QC Batch Number: GC082698BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**2500**	**24000**
Methyl t-Butyl Ether	**125**	**1000**
Benzene	**25**	**100**
Toluene	25	N.D.
Ethyl Benzene	25	N.D.
Xylenes (Total)	**25**	**3400**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: MW-6	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/25/98
Attention: Deanna Harding	Lab Number: 9808849-07	Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: UNOCAL/SS#3292/180105.85
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808849-08

Sampled: 08/12/98
Received: 08/13/98

Analyzed: 08/25/98
Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	1400
Methyl t-Butyl Ether	5.0	30
Benzene	1.0	12
Toluene	1.0	2.3
Ethyl Benzene	1.0	67
Xylenes (Total)	1.0	N.D.
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	122

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: MW-8	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/25/98
Attention: Deanna Harding	Lab Number: 9808849-09	Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**240**
Methyl t-Butyl Ether	2.5	N.D.
Benzene	**0.50**	**0.75**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Gas & Unidentified HC		**C6-C8**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: MW-9	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/25/98
Attention: Deanna Harding	Lab Number: 9808849-10	Reported: 09/08/98

QC Batch Number: GC082498BTEX21B
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**780**
Methyl t-Butyl Ether	**2.5**	**12**
Benzene	**0.50**	**14**
Toluene	0.50	N.D.
Ethyl Benzene	**0.50**	**0.52**
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: UNOCAL/SS#3292/180105.85
Sample Descript: MW-10
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808849-11

Sampled: 08/12/98
Received: 08/13/98

Analyzed: 08/21/98
Reported: 09/08/98

QC Batch Number: GC082198BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	7500
Methyl t-Butyl Ether	25	130
Benzene	5.0	6.9
Toluene	5.0	11
Ethyl Benzene	5.0	47
Xylenes (Total)	5.0	N.D.
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	74

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: UNOCAL/SS#3292/180105.85
Sample Descript: MW-11
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808849-12

Sampled: 08/12/98
Received: 08/13/98

Analyzed: 08/21/98
Reported: 09/08/98

QC Batch Number: GC082198BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**1600**
Methyl t-Butyl Ether	**25**	**2000**
Benzene	5.0	N.D.
Toluene	5.0	N.D.
Ethyl Benzene	5.0	N.D.
Xylenes (Total)	5.0	N.D.
Chromatogram Pattern:		
Weathered Gas		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: MW-2(SP)	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/25/98
Attention: Deanna Harding	Lab Number: 9808849-13	Reported: 09/08/98

QC Batch Number: GC082598BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	108

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies	Client Proj. ID: UNOCAL/SS#3292/180105.85	Sampled: 08/12/98
6747 Sierra Court Suite J	Sample Descript: MW-3(SP)	Received: 08/13/98
Dublin, CA 94568	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/21/98
Attention: Deanna Harding	Lab Number: 9808849-14	Reported: 09/08/98

QC Batch Number: GC082198BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**110**
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	**0.50**	**4.1**
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Unocal/SS#3292/180105.85

QC Sample Group: 9808849

Reported: Sep 11, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid			
Method:	EPA 8020			
Analyst:	DB			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC082498BTEX21B			
Sample No.:	GW9808821-06			
Date Prepared:	8/24/98	8/24/98	8/24/98	8/24/98
Date Analyzed:	8/24/98	8/24/98	8/24/98	8/24/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	11	10	9.6	29
% Recovery:	110	100	96	97
Matrix Spike Duplicate, ug/L:	10	9.8	9.3	29
% Recovery:	100	98	93	97
Relative % Difference:	9.5	2.0	3.2	0.0
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWLCS082498B			
Date Prepared:	8/24/98	8/24/98	8/24/98	8/24/98
Date Analyzed:	8/24/98	8/24/98	8/24/98	8/24/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	9.9	9.4	9.4	28
LCS % Recovery:	99	94	94	93

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Unocal/SS#3292/180105.85

QC Sample Group: 9808849

Reported: Sep 11, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid			
Method:	EPA 8020			
Analyst:	M McMillan			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC082698BTEX21A			
Sample No.:	9808821-07			
Date Prepared:	8/26/98	8/26/98	8/26/98	8/26/98
Date Analyzed:	8/26/98	8/26/98	8/26/98	8/26/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	10.0	9.5	9.3	29
% Recovery:	100	95	93	95
Matrix Spike Duplicate, ug/L:	11	10	10	31
% Recovery:	109	104	103	105
Relative % Difference:	8.6	9.0	10	10
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWLCS082698A			
Date Prepared:	8/26/98	8/26/98	8/26/98	8/26/98
Date Analyzed:	8/26/98	8/26/98	8/26/98	8/26/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	9.9	9.4	9.4	29
LCS % Recovery:	99	94	94	95

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Unocal/SS#3292/180105.85

QC Sample Group: 9808849

Reported: Sep 11, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid			
Method:	EPA 8020			
Analyst:	MM			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC082198BTEX30A			
Sample No.:	GW9808686-04			
Date Prepared:	8/21/98	8/21/98	8/21/98	8/21/98
Date Analyzed:	8/21/98	8/21/98	8/21/98	8/21/98
Instrument I.D.#:	GCHP30	GCHP30	GCHP30	GCHP30
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	10	9.5	9.6	29
% Recovery:	100	95	96	97
Matrix Spike Duplicate, ug/L:	10	9.6	9.6	29
% Recovery:	100	96	96	97
Relative % Difference:	0.0	1.0	0.0	0.0
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWLCS082198A			
Date Prepared:	8/21/98	8/21/98	8/21/98	8/21/98
Date Analyzed:	8/21/98	8/21/98	8/21/98	8/21/98
Instrument I.D.#:	GCHP30	GCHP30	GCHP30	GCHP30
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	9.9	9.4	9.6	28
LCS % Recovery:	99	94	96	93

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Unocal/SS#3292/180105.85

QC Sample Group: 9808849

Reported: Sep 11, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	NC
ANALYTE	Gasoline

QC Batch #: GC082598BTEX21A

Sample No.:	GW9808821-03
Date Prepared:	8/25/98
Date Analyzed:	8/25/98
Instrument I.D.#:	GCHP21
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	230
% Recovery:	92
Matrix Spike Duplicate, ug/L:	210
% Recovery:	84
Relative % Difference:	9.1
RPD Control Limits:	0-25

LCS Batch#: GWLCS082598A

Date Prepared:	8/25/98
Date Analyzed:	8/25/98
Instrument I.D.#:	GCHP21
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	230
LCS % Recovery:	92

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.