IT Corporation
1921 Ringwood Avenue
San Jose, CA 95131-1721
Tel. 408.453.7300
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A Member of The IT Group

February 16, 2000
Project 340-083.9A

Ms. Eva Chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

Re: **Quarterly Monitoring Report - Fourth Quarter 1999**
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
Incident Number 91995053

Dear Ms. Chu:

The following presents the results of the fourth quarter 1999 monitoring program for the site referenced above. This letter has been prepared for Equiva Services LLC (Equiva) by IT Corporation (IT), formerly Pacific Environmental Group, Inc. (PEG). Equiva is managing the subject site on behalf of Texaco, Inc.

QUARTERLY MONITORING FINDINGS

Groundwater monitoring wells were gauged and sampled by Blaine Tech Services, Inc. (Blaine) at the direction of IT on November 11, 1999. Blaine's groundwater monitoring report, which includes the Well Concentrations Table (historical and current analytical results), field data, and the certified analytical report, is presented as Attachment A.

Groundwater elevation data for this sampling event are found in the Well Concentrations Table and are presented on Figure 1.

All wells sampled were analyzed for total purgeable petroleum hydrocarbons (TPPH); benzene, toluene, ethylbenzene, xylenes (BTEX compounds); and methyl tert-butyl ether (MtBE) by EPA Methods 8015 (modified) and 8020. The presence of MtBE was confirmed in Wells MW-A, MW-1, MW-2, MW-3, and MW-8 by EPA Method 8260. TPPH, benzene, and MtBE concentrations for the November 1999 sampling event are presented on Figure 2.

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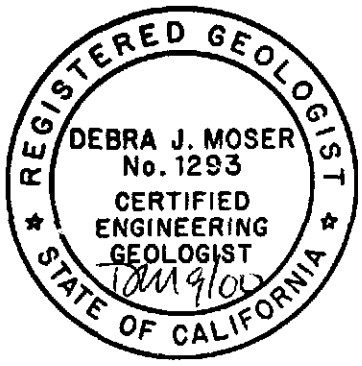
If you have questions regarding the content of this letter please call (408) 453-7300.

Sincerely,

IT Corporation



Debra J. Moser
Senior Geologist
CEG 1293

Attachments
Figure 1 – Groundwater Elevation Contour Map
Figure 2 – TPPH/Benzene/MtBE Concentration Map
Attachment A – Groundwater Monitoring Report

cc: Ms. Karen Petryna, P.E., Equiva Services LLC, P.O. Box 7869, Burbank, CA. 91501-7869

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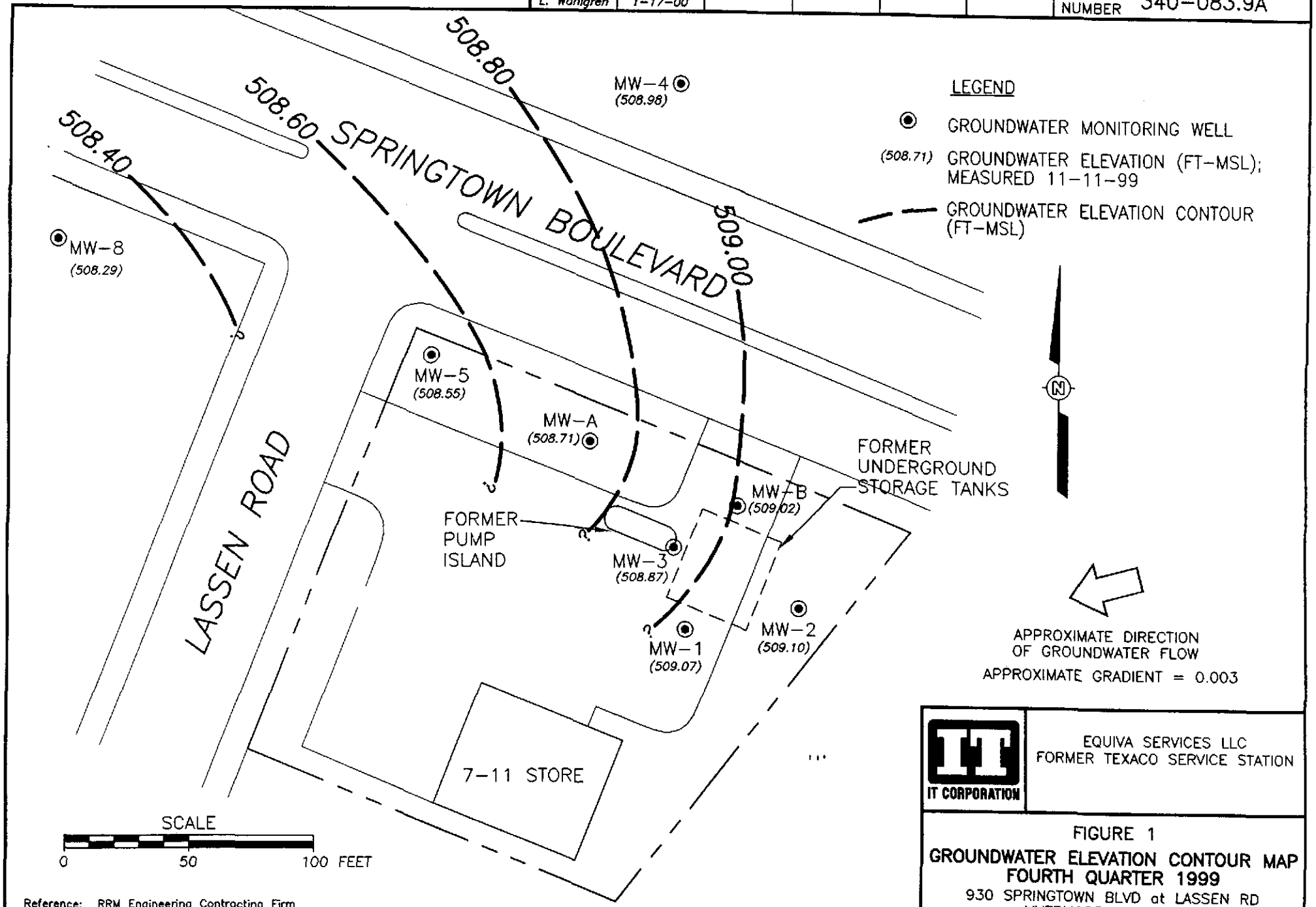
L. Wahlgren	1-17-00					340-083.9A



Reference: RRM Engineering Contracting Firm

IT CORPORATION

EQUIVA SERVICES LLC
FORMER TEXACO SERVICE STATION

FIGURE 1
GROUNDWATER ELEVATION CONTOUR MAP
FOURTH QUARTER 1999
930 SPRINGTOWN BLVD at LASSEN RD
LIVERMORE, CALIFORNIA

SANJOSE/ N:\cad\Drawings\340\083\GWC.dwg Mon, 17/Jan/00 10:48am lwahlgren

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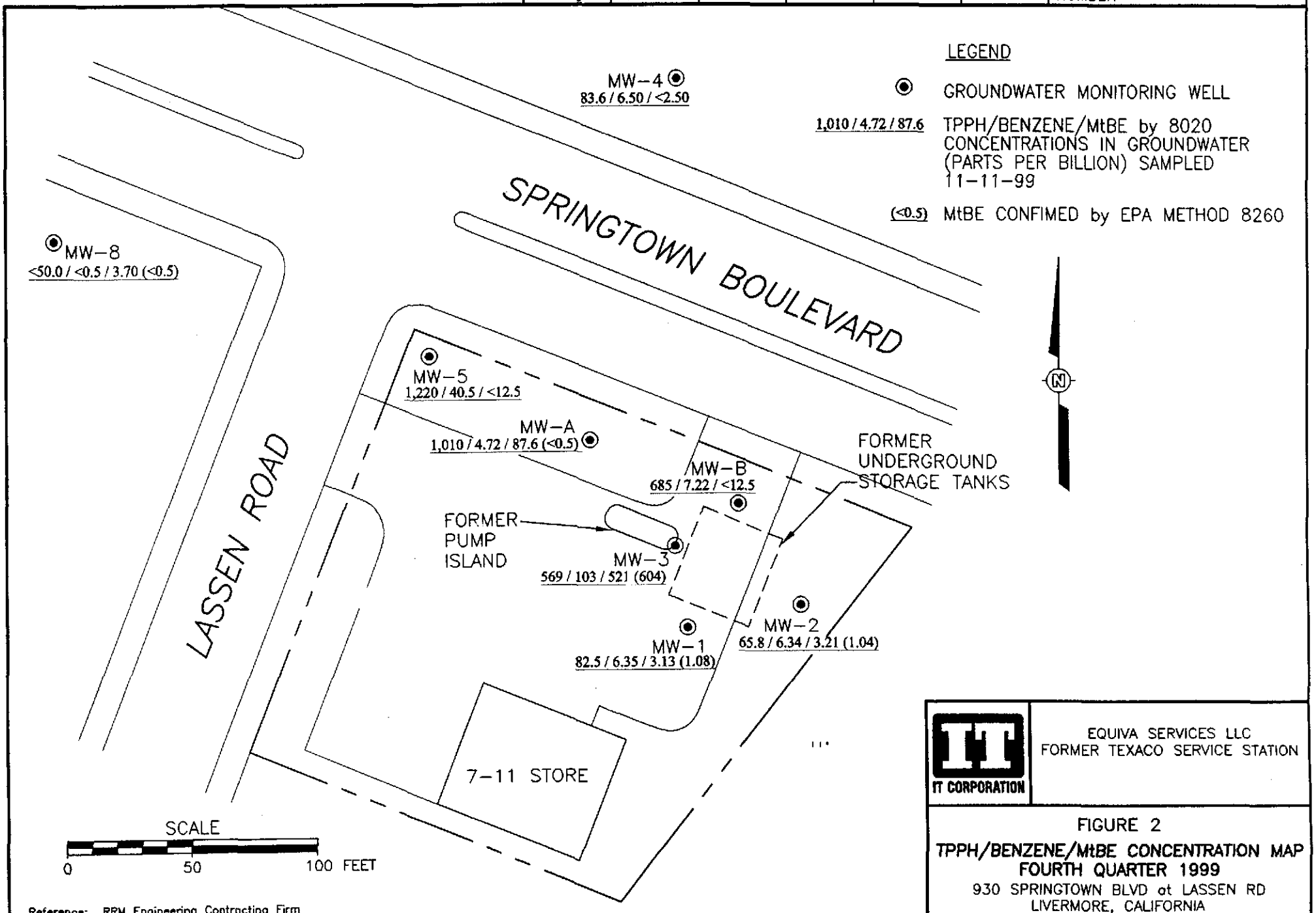
L. Wahlgren	1-17-00						



Reference: RRM Engineering Contracting Firm

IT CORPORATION

EQUIVA SERVICES LLC
FORMER TEXACO SERVICE STATION

FIGURE 2

TPPH/BENZENE/MtBE CONCENTRATION MAP
FOURTH QUARTER 1999

930 SPRINGTOWN BLVD at LASSEN RD
LIVERMORE, CALIFORNIA

ATTACHMENT A

GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

JAN 03 2000

December 17, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

Fourth Quarter 1999 Groundwater Monitoring at
Former Texaco Service Station
930 Springtown Blvd.
Livermore, CA

Monitoring performed on November 11, 1999

Groundwater Monitoring Report **991111-S-1**

This report covers the routine monitoring of groundwater wells at this Former Texaco facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

Deidre Kerwin
Operations Manager

DK/ek

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Janet Yantis
Pacific Environmental Group, Inc.
1921 Ringwood
San Jose, CA 95131

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-A	01/02/1992	NA	NA	NA	NA	NA	NA	NA	520.10	13.61	506.49
MW-A	04/02/1992	27000	1200	570	1700	2300	NA	NA	520.10	12.44	507.66
MW-A	07/21/1992	57000	1500	1800	2700	7100	NA	NA	520.10	13.35	506.75
MW-A	10/09/1992	56000	2900	2600	4600	12000	NA	NA	520.10	12.92	507.18
MW-A	01/11/1993	NA	NA	NA	NA	NA	NA	NA	520.10	11.78	508.32
MW-A	05/05/1993	NA	NA	NA	NA	NA	NA	NA	520.10	11.39	508.71
MW-A	08/09/1993	NA	NA	NA	NA	NA	NA	NA	520.10	12.80	507.30
MW-A	10/14/1993	NA	NA	NA	NA	NA	NA	NA	520.10	13.48	506.62
MW-A	01/24/1994	1400000	6900	2100	15000	38000	NA	NA	520.10	12.74	507.36
MW-A	05/31/1994	48000	1200	900	1900	4200	NA	NA	520.10	12.28	507.82
MW-A	08/31/1994	24000	140	120	830	1500	NA	NA	520.10	13.20	506.90
MW-A	11/02/1994	15000	230	360	1100	1800	NA	NA	520.10	13.15	506.95
MW-A	02/20/1995	12000	290	330	570	1300	NA	NA	520.10	11.71	508.39
MW-A	05/09/1995	1200	6.1	5.9	12	15	NA	NA	520.10	12.37	507.73
MW-A	08/21/1995	9600	85	140	250	860	160	NA	520.10	11.37	508.73
MW-A	10/20/1995	360	5.2	7.9	15	43	NA	NA	520.10	12.04	508.06
MW-A	02/07/1996	6100	130	180	320	840	NA	NA	520.10	10.11	509.99
MW-A	04/30/1996	410	1.2	0.67	1.2	1.5	NA	NA	520.10	10.28	509.82
MW-A	08/14/1996	3000	65	75	170	460	57	NA	520.10	10.82	509.28
MW-A	11/22/1996	6300	100	170	310	710	64	NA	520.10	10.97	509.13
MW-A	02/14/1997	8100	140	180	700	1600	<300	NA	520.10	10.00	510.10
MW-A	05/23/1997	24000	340	520	1600	3800	<2000	NA	520.10	11.36	508.74
MW-A	07/25/1997	440	<0.5	<0.5	<0.5	<0.5	<30	NA	520.10	11.66	508.44
MW-A	10/31/1997	3700	21	48	200	430	35	NA	520.10	11.56	508.54
MW-A	02/06/1998	1500	2.1	4.4	55	77	<30	NA	520.10	9.00	511.10
MW-A	05/19/1998	32000	310	380	1800	3700	1300	NA	520.10	9.85	510.25

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-A	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	520.10	10.04	510.06
MW-A	11/04/1998	15000	86	180	960	1800	<50	<50	520.10	11.09	509.01
MW-A	01/14/1999	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-B	01/02/1992	NA	NA	NA	NA	NA	NA	NA	518.05	11.27	506.78
MW-B	04/02/1992	1900	ND	39	24	35	NA	NA	518.05	10.18	507.87
MW-B	07/21/1992	16000	180	1600	270	1100	NA	NA	518.05	11.27	506.78
MW-B	10/09/1992	38000	490	8300	1400	5100	NA	NA	518.05	11.64	506.41
MW-B	01/11/1993	NA	NA	NA	NA	NA	NA	NA	518.05	9.65	508.40
MW-B	05/05/1993	NA	NA	NA	NA	NA	NA	NA	518.05	9.28	508.77
MW-B	08/09/1993	NA	NA	NA	NA	NA	NA	NA	518.05	11.02	507.03
MW-B	10/14/1993	NA	NA	NA	NA	NA	NA	NA	518.05	11.34	506.71
MW-B	01/24/1994	23000	110	1700	600	1900	NA	NA	518.05	10.54	507.51
MW-B	05/31/1994	13000	780	310	370	1400	NA	NA	518.05	10.19	507.86
MW-B	08/31/1994	35000	160	2800	1000	4500	NA	NA	518.05	10.98	507.07
MW-B	11/02/1994	2500	170	3200	1100	4700	NA	NA	518.05	10.90	507.15
MW-B	02/20/1995	10000	46	1400	330	1200	NA	NA	518.05	9.47	508.58
MW-B	05/09/1995	4100	9.1	47	26	30	NA	NA	518.05	10.58	507.47
MW-B	08/21/1995	4000	9.6	110	120	270	98	NA	518.05	9.34	508.71
MW-B	10/20/1995	9300	35	1300	370	1300	NA	NA	518.05	9.83	508.22
MW-B	02/07/1996	8900	33	700	110	360	NA	NA	518.05	7.85	510.20
MW-B	04/30/1996	5500	17	460	120	400	NA	NA	518.05	8.02	510.03
MW-B	08/14/1996	9000	<5	260	120	320	<300	NA	518.05	8.66	509.39
MW-B	11/22/1996	560000	56	2400	1600	5500	<3000	NA	518.05	8.70	509.35
MW-B	02/14/1997	4600	5.2	110	72	210	<300	NA	518.05	7.75	510.30
MW-B	05/23/1997	34000	75	1700	590	2100	1800	NA	518.05	9.05	509.00
MW-B	07/25/1997	39000	250	5200	1600	5900	<800	NA	518.05	9.37	508.68

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Livermore, CA

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MW-B	10/31/1997	36000	130	2600	1200	4800	<800	NA	518.05	9.29	508.76
MW-B	02/06/1998	4800	10	120	72	200	<80	NA	518.05	6.68	511.37
MW-B	05/19/1998	25000	200	900	410	1600	570	NA	518.05	7.57	510.48
MW-B	07/31/1998	580	<0.5	<0.5	<0.5	<0.5	14	NA	518.05	8.03	510.02
MW-B	11/04/1998	24000	150	1400	850	2400	<50	<66	518.05	8.85	509.20
MW-B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-1	01/02/1992	16	6	ND	ND	ND	NA	NA	520.61	14.11	506.50
MW-1	04/02/1992	ND	ND	ND	ND	ND	NA	NA	520.61	12.98	507.63
MW-1	07/21/1992	<50	3.2	<0.5	<0.5	<0.5	NA	NA	520.61	13.92	506.69
MW-1	10/09/1992	<50	8.5	<0.5	<0.5	<0.5	NA	NA	520.61	14.25	506.36
MW-1	01/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	12.30	508.31
MW-1	05/05/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	11.88	508.73
MW-1	08/09/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	13.63	506.98
MW-1	10/14/1993	440	16	2.9	2.9	11	NA	NA	520.61	13.91	506.70
MW-1	01/24/1993	NA	NA	NA	NA	NA	NA	NA	520.61	13.12	507.49
MW-1	05/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	12.74	507.87
MW-1	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	13.68	506.93
MW-1	11/02/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	13.48	507.13
MW-1	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	12.02	508.59
MW-1	05/09/1995	450	22	25	23	100	NA	NA	520.61	12.83	507.78
MW-1	08/21/1995	58	<0.5	1.5	1.8	4.5	<10	NA	520.61	11.93	508.68
MW-1	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	12.40	508.21
MW-1	02/07/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	10.42	510.19
MW-1	04/30/1996	NA	NA	NA	NA	NA	NA	NA	520.61	10.48	510.13
MW-1	08/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	520.61	11.18	509.43
MW-1	11/22/1996	NA	NA	NA	NA	NA	NA	NA	520.61	11.10	509.51

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MW-1	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	520.61	10.25	510.36
MW-1	05/23/1997	NA	NA	NA	NA	NA	NA	NA	520.61	11.48	509.13
MW-1	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	520.61	11.99	508.62
MW-1	10/31/1997	NA	NA	NA	NA	NA	NA	NA	520.61	11.74	508.87
MW-1	02/06/1998	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	520.61	9.27	511.34
MW-1	05/19/1998	NA	NA	NA	NA	NA	NA	NA	520.61	10.51	510.10
MW-1	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	520.61	10.41	510.20
MW-1	11/04/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	520.61	11.32	509.29
MW-1	[illegible]	82.5	6.35	7.08	1.76	[illegible]	[illegible]	[illegible]	520.61	11.54	509.07
MW-2	01/02/1992	ND	ND	ND	ND	ND	NA	NA	518.29	11.96	506.33
MW-2	04/02/1992	ND	ND	ND	ND	ND	NA	NA	518.29	10.89	507.40
MW-2	07/21/1992	NA	NA	NA	NA	NA	NA	NA	518.29	11.55	506.74
MW-2	05/31/1994	NA	NA	NA	NA	NA	NA	NA	518.29	10.37	507.92
MW-2	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.29	11.16	507.13
MW-2	11/02/1994	NA	NA	NA	NA	NA	NA	NA	518.29	11.07	507.22
MW-2	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.29	9.66	508.63
MW-2	05/09/1995	NA	NA	NA	NA	NA	NA	NA	518.29	10.14	508.15
MW-2	08/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	518.29	9.58	508.71
MW-2	10/20/1995	NA	NA	NA	NA	NA	NA	NA	518.29	9.91	508.38
MW-2	02/07/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.29	8.00	510.29
MW-2	04/30/1996	NA	NA	NA	NA	NA	NA	NA	518.29	8.21	510.08
MW-2	08/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.29	8.88	509.41
MW-2	11/22/1996	NA	NA	NA	NA	NA	NA	NA	518.29	8.88	509.41
MW-2	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.29	7.92	510.37
MW-2	05/23/1997	NA	NA	NA	NA	NA	NA	NA	518.29	9.25	509.04
MW-2	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.29	9.51	508.78

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	10/31/1997	NA	NA	NA	NA	NA	NA	NA	518.29	9.30	508.99
MW-2	02/06/1998	<50	<0.5	<0.5	<0.5	1.4	<30	NA	518.29	6.88	511.41
MW-2	05/19/1998	NA	NA	NA	NA	NA	NA	NA	518.29	8.35	509.94
MW-2	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	518.29	8.14	510.15
MW-2	11/04/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	518.29	9.00	509.29
MW-2	11/11/1999	65.8	6.34	7.04	[illegible]	10.6	[illegible]	1.04	518.29	9.19	[illegible]
MW-3	01/02/1992	340	0.4	ND	ND	ND	NA	NA	519.60	12.87	506.73
MW-3	04/02/1992	160	5	ND	0.3	0.5	NA	NA	519.60	11.97	507.63
MW-3	07/21/1992	260	1.7	<0.5	<0.5	<0.5	NA	NA	519.60	12.60	507.00
MW-3	10/09/1992	88	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	12.93	506.67
MW-3	01/11/1993	130	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	11.16	508.44
MW-3	05/05/1993	340	1.8	<0.5	1.3	<0.5	NA	NA	519.60	10.72	508.88
MW-3	08/09/1993	610	18	<0.5	2.4	0.9	NA	NA	519.60	12.34	507.26
MW-3	10/14/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	12.71	506.89
MW-3	01/24/1994	320	3.5	<0.5	<0.5	<0.5	NA	NA	519.60	12.03	507.57
MW-3	05/31/1994	830	11	12	5.0	1.2	NA	NA	519.60	11.54	508.06
MW-3	08/31/1994	660	2	<0.5	1	<0.5	NA	NA	519.60	12.60	507.00
MW-3	11/02/1994	1500	260	36	34	76	NA	NA	519.60	12.16	507.44
MW-3	02/20/1995	410	1.2	1.9	1.4	2.2	NA	NA	519.60	11.05	508.55
MW-3	05/09/1995	730	23	43	21	95	NA	NA	519.60	11.97	507.63
MW-3	08/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	519.60	7.60	512.00
MW-3	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	11.46	508.14
MW-3	02/07/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	9.42	510.18
MW-3	04/30/1996	NA	NA	NA	NA	NA	NA	NA	519.60	9.60	510.00
MW-3	08/14/1996	<50	<0.5	0.60	<0.5	<0.5	<30	NA	519.60	10.24	509.36
MW-3	11/22/1996	NA	NA	NA	NA	NA	NA	NA	519.60	10.34	509.26

WELL CONCENTRATIONS
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Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	519.60	9.38	510.22
MW-3	05/23/1997	NA	NA	NA	NA	NA	NA	NA	519.60	10.67	508.93
MW-3	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	519.60	11.11	508.49
MW-3	10/31/1997	NA	NA	NA	NA	NA	NA	NA	519.60	10.86	508.74
MW-3	02/06/1998	63	1.5	2.8	0.77	8.6	<30	NA	519.60	8.41	511.19
MW-3	05/19/1998	NA	NA	NA	NA	NA	NA	NA	519.60	9.40	510.20
MW-3	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	519.60	9.04	510.56
MW-3	11/04/1998	230	11	7.2	7.6	33	18	14	519.60	10.45	509.15
[illegible]											
MW-4	01/02/1992	ND	ND	ND	ND	ND	NA	NA	518.79	12.22	506.57
MW-4	04/02/1992	ND	ND	ND	ND	ND	NA	NA	518.79	11.03	507.76
MW-4	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.36	506.43
MW-4	10/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.40	506.39
MW-4	01/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	10.72	508.07
MW-4	05/05/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	10.21	508.58
MW-4	08/09/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.25	506.54
MW-4	10/14/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.58	506.21
MW-4	01/24/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	11.72	507.07
MW-4	05/31/1994	NA	NA	NA	NA	NA	NA	NA	518.79	11.29	507.50
MW-4	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.00	506.79
MW-4	11/02/1994	NA	NA	NA	NA	NA	NA	NA	518.79	11.96	506.83
MW-4	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	10.42	508.37
MW-4	05/09/1995	NA	NA	NA	NA	NA	NA	NA	518.79	11.22	507.57
MW-4	08/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	518.79	10.51	508.28
MW-4	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	10.86	507.93
MW-4	02/07/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	8.93	509.86

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	04/30/1996	NA	NA	NA	NA	NA	NA	NA	518.79	9.03	509.76
MW-4	08/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.79	9.84	508.95
MW-4	11/22/1996	NA	NA	NA	NA	NA	NA	NA	518.79	9.73	509.06
MW-4	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.79	8.85	509.94
MW-4	05/23/1997	NA	NA	NA	NA	NA	NA	NA	518.79	10.15	508.64
MW-4	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.79	10.61	508.18
MW-4	10/31/1997	NA	NA	NA	NA	NA	NA	NA	518.79	10.36	508.43
MW-4	02/06/1998	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.79	7.46	511.33
MW-4	05/19/1998	NA	NA	NA	NA	NA	NA	NA	518.79	8.91	509.88
MW-4	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	518.79	8.99	509.80
MW-4	11/04/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	518.79	10.08	508.71
MW-4	01/11/1999	63.6	6.50	17.52	2.03	10.69	<2.50	NA	518.79	9.81	508.98
MW-5	01/02/1992	1800	74	41	84	94	NA	NA	521.19	14.56	506.63
MW-5	04/02/1992	ND	ND	ND	ND	ND	NA	NA	521.19	13.58	507.61
MW-5	07/21/1992	1000	69	16	40	31	NA	NA	521.19	13.77	507.42
MW-5	10/09/1992	3400	890	51	110	110	NA	NA	521.19	14.09	507.10
MW-5	01/11/1993	15000	460	110	900	370	NA	NA	521.19	12.24	508.95
MW-5	05/05/1993	4500	160	19	280	110	NA	NA	521.19	11.90	509.29
MW-5	08/09/1993	2300	180	19	130	80	NA	NA	521.19	13.35	507.84
MW-5	10/14/1993	2200	160	27	90	64	NA	NA	521.19	13.89	507.30
MW-5	01/24/1994	2600	69	11	65	25	NA	NA	521.19	13.32	507.87
MW-5	05/31/1994	3100	130	64	140	120	NA	NA	521.19	12.75	508.44
MW-5	08/31/1994	600	20	2.9	14	7.1	NA	NA	521.19	14.34	506.85
MW-5	11/02/1994	2300	68	18	52	54	NA	NA	521.19	14.22	506.97
MW-5	02/20/1995	12000	130	<30	240	138	NA	NA	521.19	12.78	508.41
MW-5	05/09/1995	2500	57	60	54	37	NA	NA	521.19	13.41	507.78

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MW-5	08/21/1995	11000	91	28	140	120	<100	<100	521.19	12.32	508.87
MW-5	10/20/1995	2300	38	3.8	28	19	NA	NA	521.19	13.28	507.91
MW-5	02/07/1996	1800	35	8.1	37	20	NA	NA	521.19	11.31	509.88
MW-5	04/30/1996	NA	NA	NA	NA	NA	NA	NA	521.19	11.52	509.67
MW-5	08/14/1996	3500	130	22	170	47	71	NA	521.19	12.03	509.16
MW-5	11/22/1996	3500	160	15	190	28	<200	NA	521.19	12.22	508.97
MW-5	02/14/1997	2900	150	54	330	68	<300	NA	521.19	11.20	509.99
MW-5	05/23/1997	10000	170	98	380	68	<200	NA	521.19	12.55	508.64
MW-5	07/25/1997	2700	110	<0.5	33	<0.5	<30	NA	521.19	12.93	508.26
MW-5	10/31/1997	NA	NA	NA	NA	NA	NA	NA	521.19	12.78	508.41
MW-5	02/06/1998	67	<0.5	<0.5	<0.5	<0.5	<30	NA	521.19	10.26	510.93
MW-5	05/19/1998	4200	120	25	360	76	510	NA	521.19	11.12	510.07
MW-5	07/31/1998	270	<0.5	<0.5	<0.5	<0.5	<2.5	NA	521.19	11.79	509.40
MW-5	11/04/1998	2800	120	14	590	140	<25	<10	521.19	12.33	508.86
MW-5	11/11/1999	1220	40.5	22.8	16.4	6.22	[illegible]	NA	[illegible]	12.64	508.55
MW-6	01/02/1992	23	ND	0.3	0.6	3	NA	NA	522.18	16.64	505.54
MW-6	04/02/1991	ND	ND	ND	ND	ND	NA	NA	522.18	15.61	506.57
MW-6	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	15.53	506.65
MW-6	10/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	15.69	506.49
MW-6	08/09/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	14.50	507.68
MW-6	10/14/1993	NA	NA	NA	NA	NA	NA	NA	522.18	NA	NA
MW-6	01/24/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	15.09	507.09
MW-6	05/31/1994	NA	NA	NA	NA	NA	NA	NA	522.18	14.64	507.54
MW-6	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	15.32	506.86
MW-6	11/02/1994	NA	NA	NA	NA	NA	NA	NA	522.18	15.32	506.86
MW-6	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	14.07	508.11

WELL CONCENTRATIONS
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-6	05/09/1995	NA	NA	NA	NA	NA	NA	NA	522.18	14.30	507.88
MW-6	10/20/1995	NA	NA	NA	NA	NA	NA	NA	522.18	14.31	NA
MW-6	07/25/1997	NA	NA	NA	NA	NA	NA	NA	522.18	NA	NA
MW-7	01/02/1992	NA	NA	NA	NA	NA	NA	NA	522.19	11.17	511.02
MW-7	04/02/1992	ND	ND	ND	ND	ND	NA	NA	522.19	10.34	511.85
MW-7	07/21/1992	NA	NA	NA	NA	NA	NA	NA	522.19	9.02	513.17
MW-7	05/31/1994	NA	NA	NA	NA	NA	NA	NA	522.19	9.42	512.77
MW-7	08/31/1994	NA	NA	NA	NA	NA	NA	NA	522.19	6.84	515.35
MW-7	11/02/1994	NA	NA	NA	NA	NA	NA	NA	522.19	6.48	515.71
MW-7	02/20/1995	NA	NA	NA	NA	NA	NA	NA	522.19	7.71	514.48
MW-7	05/09/1995	NA	NA	NA	NA	NA	NA	NA	522.19	7.65	514.54
MW-7	08/21/1995	NA	NA	NA	NA	NA	NA	NA	522.19	7.83	514.36
MW-7	10/20/1995	NA	NA	NA	NA	NA	NA	NA	522.19	8.61	513.58
MW-7	07/25/1997	NA	NA	NA	NA	NA	NA	NA	522.19	NA	NA
MW-8	01/02/1992	12000	32	980	200	760	NA	NA	524.03	18.42	505.61
MW-8	04/02/1992	ND	ND	ND	ND	ND	NA	NA	524.03	17.39	506.64
MW-8	07/21/1992	NA	NA	NA	NA	NA	NA	NA	524.03	14.02	510.01
MW-8	05/31/1994	NA	NA	NA	NA	NA	NA	NA	524.03	19.65	504.38
MW-8	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	524.03	17.40	506.63
MW-8	11/02/1994	NA	NA	NA	NA	NA	NA	NA	524.03	17.38	506.65
MW-8	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	524.03	15.99	508.04
MW-8	05/09/1995	NA	NA	NA	NA	NA	NA	NA	524.03	16.54	507.49
MW-8	08/21/1995	<50	<0.5	<0.5	0.67	0.62	<10	NA	524.03	15.77	508.26
MW-8	10/20/1995	NA	NA	NA	NA	NA	NA	NA	524.03	16.24	507.79
MW-8	02/07/1996	<50	7.0	<0.5	<0.5	<0.5	NA	NA	524.03	14.42	509.61

WELL CONCENTRATIONS
Former Texaco Service Station
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Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-8	04/30/1996	61	9.6	<0.5	<0.5	<0.5	NA	NA	524.03	14.65	509.38
MW-8	08/14/1996	<50	0.73	<0.5	<0.5	<0.5	<30	NA	524.03	15.08	508.95
MW-8	11/22/1996	120	5.9	2.2	2.4	8.3	<30	NA	524.03	15.35	508.68
MW-8	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	524.03	14.32	509.71
MW-8	05/23/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	524.03	13.35	510.68
MW-8	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	524.03	16.05	507.98
MW-8	10/31/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	524.03	15.86	508.17
MW-8	02/06/1998	180	17	<0.5	<0.5	6.0	<30	NA	524.03	13.62	510.41
MW-8	05/19/1998	<50	4.9	<0.5	<0.5	<0.5	<2.5	NA	524.03	14.23	509.80
MW-8	07/31/1998	140	<0.5	<0.5	<0.5	<0.5	<2.5	NA	524.03	14.95	509.08
MW-8	11/04/1998	<50	1.2	100	1.9	7.8	<2.5	NA	524.03	15.42	508.61
MW-8	11/11/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.5	<0.500	524.03	15.74	508.29

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

ND = Not detected at or above the minimum quantitation limits.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

November 30, 1999

Leah Davis
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: Equiva 930 Springtown Blvd., Livermore/M911456

Dear Leah Davis

Enclosed are the results of analyses for sample(s) received by the laboratory on November 12, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager D.M

CA ELAP Certificate Number 1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 11/11/99
1680 Rogers Avenue	Project Number:	930 Springtown Blvd.	Received: 11/12/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/30/99

ANALYTICAL REPORT FOR M911456

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-A	M911456-01	Water	11/11/99
MW-B	M911456-02	Water	11/11/99
MW-1	M911456-03	Water	11/11/99
MW-2	M911456-04	Water	11/11/99
MW-3	M911456-05	Water	11/11/99
MW-4	M911456-06	Water	11/11/99
MW-5	M911456-07	Water	11/11/99
MW-8	M911456-08	Water	11/11/99

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.

Sequoia Analytical

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Morgan Hill, CA 95037
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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 11/11/99
1680 Rogers Avenue	Project Number:	930 Springtown Blvd.	Received: 11/12/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/30/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-A			**M911456-01**				**Water**	
Purgeable Hydrocarbons	9110656	11/22/99	11/22/99		250	**1010**	ug/l	1,D
Benzene	"	"	"		2.50	**4.72**	"	D
Toluene	"	"	"		2.50	ND	"	D
Ethylbenzene	"	"	"		2.50	**26.1**	"	D
Xylenes (total)	"	"	"		2.50	**59.9**	"	D
Methyl tert-butyl ether	"	"	"		12.5	**87.6**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*111*	%	
MW-B			**M911456-02**				**Water**	
Purgeable Hydrocarbons	9110656	11/22/99	11/22/99		250	**685**	ug/l	1,D
Benzene	"	"	"		2.50	**7.22**	"	D
Toluene	"	"	"		2.50	**14.7**	"	D
Ethylbenzene	"	"	"		2.50	**6.10**	"	D
Xylenes (total)	"	"	"		2.50	**17.8**	"	D
Methyl tert-butyl ether	"	"	"		12.5	ND	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*108*	%	
MW-1			**M911456-03**				**Water**	
Purgeable Hydrocarbons	9110609	11/19/99	11/19/99		50.0	**82.5**	ug/l	1
Benzene	"	"	"		0.500	**6.35**	"	
Toluene	"	"	"		0.500	**7.08**	"	
Ethylbenzene	"	"	"		0.500	**4.76**	"	
Xylenes (total)	"	"	"		0.500	**10.9**	"	
Methyl tert-butyl ether	"	"	"		2.50	**3.13**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*100*	%	
MW-2			**M911456-04**				**Water**	
Purgeable Hydrocarbons	9110609	11/19/99	11/19/99		50.0	**65.8**	ug/l	1
Benzene	"	"	"		0.500	**6.34**	"	
Toluene	"	"	"		0.500	**7.04**	"	
Ethylbenzene	"	"	"		0.500	**4.71**	"	
Xylenes (total)	"	"	"		0.500	**10.8**	"	
Methyl tert-butyl ether	"	"	"		2.50	**3.21**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*108*	%	
MW-3			**M911456-05**				**Water**	
Purgeable Hydrocarbons	9110656	11/22/99	11/22/99		100	**569**	ug/l	1,D
Benzene	"	"	"		1.00	**103**	"	D
Toluene	"	"	"		1.00	**47.1**	"	D
Ethylbenzene	"	"	"		1.00	**14.1**	"	D
Xylenes (total)	"	"	"		1.00	**29.6**	"	D

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 11/11/99
1680 Rogers Avenue	Project Number:	930 Springtown Blvd.	Received: 11/12/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/30/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-3 (continued)			**M911456-05**				**Water**	
Methyl tert-butyl ether	9110656	11/22/99	11/22/99		5.00	**521**	ug/l	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*104*	%	
MW-4			**M911456-06**				**Water**	
Purgeable Hydrocarbons	9110656	11/22/99	11/22/99		50.0	**83.6**	ug/l	1
Benzene	"	"	"		0.500	**6.50**	"	
Toluene	"	"	"		0.500	**7.52**	"	
Ethylbenzene	"	"	"		0.500	**4.31**	"	
Xylenes (total)	"	"	"		0.500	**9.59**	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*97.4*	%	
MW-5			**M911456-07**				**Water**	
Purgeable Hydrocarbons	9110656	11/22/99	11/22/99		250	**1220**	ug/l	I,D
Benzene	"	"	"		2.50	**40.5**	"	D
Toluene	"	"	"		2.50	**22.8**	"	D
Ethylbenzene	"	"	"		2.50	**16.4**	"	D
Xylenes (total)	"	"	"		2.50	**6.22**	"	D
Methyl tert-butyl ether	"	"	"		12.5	ND	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*111*	%	
MW-8			**M911456-08**				**Water**	
Purgeable Hydrocarbons	9110656	11/22/99	11/22/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	**3.70**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*111*	%	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 11/11/99
1680 Rogers Avenue	Project Number:	930 Springtown Blvd.	Received: 11/12/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/30/99

MTBE by EPA Method 8260A
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-A			**M911456-01**				**Water**	
Methyl tert-butyl ether	9110789	11/24/99	11/24/99		0.500	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*70.0-130*		*155*	%	*2*
MW-1			**M911456-03**				**Water**	
Methyl tert-butyl ether	9110682	11/22/99	11/23/99		0.500	**1.08**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*70.0-130*		*92.4*	%	
MW-2			**M911456-04**				**Water**	
Methyl tert-butyl ether	9110682	11/22/99	11/23/99		0.500	**1.04**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*70.0-130*		*92.6*	%	
MW-3			**M911456-05**				**Water**	
Methyl tert-butyl ether	9110682	11/22/99	11/23/99		50.0	**604**	ug/l	D
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*70.0-130*		*94 9*	%	
MW-8			**M911456-08**				**Water**	
Methyl tert-butyl ether	9110682	11/22/99	11/23/99		0.500	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*70.0-130*		*93.5*	%	

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 11/11/99
1680 Rogers Avenue	Project Number:	930 Springtown Blvd.	Received: 11/12/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/30/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9110609	**Date Prepared: 11/19/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110609-BLK1**									
Purgeable Hydrocarbons	11/19/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.3*	"	*70.0-130*	*103*			
LCS	**9110609-BS1**									
Benzene	11/19/99	10.0		9.33	ug/l	70.0-130	93.3			
Toluene	"	10.0		9.27	"	70.0-130	92.7			
Ethylbenzene	"	10.0		10.0	"	70.0-130	100			
Xylenes (total)	"	30.0		29.6	"	70.0-130	98.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.0*	"	*70.0-130*	*100*			
LCS Dup	**9110609-BSD1**									
Benzene	11/19/99	10.0		9.03	ug/l	70.0-130	90.3	25.0	3.27	
Toluene	"	10.0		8.78	"	70.0-130	87.8	25.0	5.43	
Ethylbenzene	"	10.0		9.58	"	70.0-130	95.8	25.0	4.29	
Xylenes (total)	"	30.0		28.7	"	70.0-130	95.7	25.0	3.09	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.03*	"	*70.0-130*	*90.3*			
Batch: 9110656	**Date Prepared: 11/22/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110656-BLK1**									
Purgeable Hydrocarbons	11/22/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.4*	"	*70.0-130*	*104*			
LCS	**9110656-BS1**									
Purgeable Hydrocarbons	11/22/99	250		218	ug/l	70.0-130	87.2			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*18.0*	"	*70.0-130*	*180*			*3*
LCS Dup	**9110656-BSD1**									
Purgeable Hydrocarbons	11/22/99	250		227	ug/l	70.0-130	90.8	25.0	4.04	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.0*	"	*70.0-130*	*120*			

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 11/11/99
1680 Rogers Avenue	Project Number:	930 Springtown Blvd.	Received: 11/12/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/30/99

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9110682	**Date Prepared: 11/22/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110682-BLK1**									
Methyl tert-butyl ether	11/18/99			**ND**	ug/l	**0.500**				
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*8.49*	"	*70.0-130*	*84.9*			
Blank	**9110682-BLK2**									
Methyl tert-butyl ether	11/19/99			**ND**	ug/l	**0.500**				
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*8.39*	"	*70.0-130*	*83.9*			
Blank	**9110682-BLK3**									
Methyl tert-butyl ether	11/22/99			**ND**	ug/l	**0.500**				
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*8.30*	"	*70.0-130*	*83.0*			
Blank	**9110682-BLK4**									
Methyl tert-butyl ether	11/23/99			**ND**	ug/l	**0.500**				
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.84*	"	*70.0-130*	*98.4*			
LCS	**9110682-BS1**									
Methyl tert-butyl ether	11/18/99	10.0		8.71	ug/l	70.0-130	87.1			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*7.96*	"	*70.0-130*	*79.6*			
LCS	**9110682-BS2**									
Methyl tert-butyl ether	11/19/99	10.0		8.27	ug/l	70.0-130	82.7			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*7.86*	"	*70.0-130*	*78.6*			
LCS	**9110682-BS3**									
Methyl tert-butyl ether	11/22/99	10.0		8.80	ug/l	70.0-130	88.0			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*7.30*	"	*70.0-130*	*73.0*			
LCS	**9110682-BS4**									
Methyl tert-butyl ether	11/23/99	10.0		8.88	ug/l	70.0-130	88.8			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.84*	"	*70.0-130*	*98.4*			
Matrix Spike	**9110682-MS1**		**M911297-02**							
Methyl tert-butyl ether	11/18/99	1000	68.0	947	ug/l	70.0-130	**87.9**			D
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*7.82*	"	*70.0-130*	*78.2*			
Matrix Spike Dup	**9110682-MSD1**		**M911297-02**							
Methyl tert-butyl ether	11/18/99	1000	68.0	1060	ug/l	70.0-130	**99.2**	25.0	**12.1**	D
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*7.64*	"	*70.0-130*	*76.4*			

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 11/11/99
1680 Rogers Avenue	Project Number:	930 Springtown Blvd.	Received: 11/12/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/30/99

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9110789	**Date Prepared: 11/24/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110789-BLK1**									
Methyl tert-butyl ether	11/24/99			**ND**	ug/l	**0.500**				
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*10.4*	"	*70.0-130*	*104*			
Blank	**9110789-BLK2**									
Methyl tert-butyl ether	11/26/99			**ND**	ug/l	**0.500**				
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.79*	"	*70.0-130*	*97.9*			
Blank	**9110789-BLK3**									
Methyl tert-butyl ether	11/29/99			**ND**	ug/l	**0.500**				
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.56*	"	*70.0-130*	*95.6*			
LCS	**9110789-BS1**									
Methyl tert-butyl ether	11/24/99	10.0		8.80	ug/l	70.0-130	88.0			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.01*	"	*70.0-130*	*90.1*			
LCS	**9110789-BS2**									
Methyl tert-butyl ether	11/26/99	10.0		8.24	ug/l	70.0-130	82.4			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.23*	"	*70.0-130*	*92.3*			
LCS	**9110789-BS3**									
Methyl tert-butyl ether	11/29/99	10.0		8.15	ug/l	70.0-130	81.5			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.21*	"	*70.0-130*	*92.1*			
Matrix Spike	**9110789-MS1**		**M911423-05**							
Methyl tert-butyl ether	11/24/99	100	86.4	169	ug/l	70.0-130	**82.6**			D
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.62*	"	*70.0-130*	*96.2*			
Matrix Spike Dup	**9110789-MSD1**		**M911423-05**							
Methyl tert-butyl ether	11/24/99	100	86.4	164	ug/l	70.0-130	**77.6**	25.0	**6.24**	D
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*9.04*	"	*70.0-130*	*90.4*			

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 11/11/99
1680 Rogers Avenue	Project Number:	930 Springtown Blvd.	Received: 11/12/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/30/99

Notes and Definitions

#	Note
D	Data reported from a dilution.
1	Chromatogram Pattern: Gasoline C6-C12
2	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
3	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
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
Recov.	Recovery
RPD	Relative Percent Difference

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF

CLIENT: Equiva - Karen Petryna

SITE: 930 Springtown Blvd.
Livermore, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB: Sequoia DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION

SPECIAL INSTRUCTIONS

M911456

Send invoice to Equiva

Incident # 91995053

Send report to Blaine Tech Services, Inc.

ATTN: Ann Pember

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-A	11/11/99	12:40	W	3	X	X				Confirm MTBE By 8260 if detected or if Detection limit raised above Spp. B			01
MW-B		13:00											02
MW-1		10:25											03
MW-2		10:01											04
MW-3		10:49											05
MW-4		11:23											06
MW-5		12:20											07
MW-8		11:47											08

SAMPLING COMPLETED: DATE TIME

SAMPLING PERFORMED BY: KPS

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Kevin Sullivan	11-12-99	12:30		11-12	1230
			MH	11/12/99	13:32

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

WELL GAUGING DATA

Project # 991111-S1 Date 11/11/99 Client _____

Site _____ Texaco #618571050
930 SPRINGTOWN BLVD.
LIVERMORE, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	C to D
MW-A	2					11.39	16.47	Toc	7.
MW-B	2					9.03	21.83		8.
MW-1	4					11.54	25.57		2
MW-2	4					9.18	22.66		1
MW-3	4					10.73	24.65		3.
MW-4	3					9.81	25.07		4
MW-5	2					12.64	21.44		6.
MW-8	4					15.74	24.22	✓	5.

Y

EQUIVA WELL MONITORING DATA SHEET

Project #: 991111-S1	Job # 618571050
Sampler: KPS	Date: 11/11/99
Well I.D.: MW-A	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.47	Depth to Water: 11.39
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: Disposable Bailer

Sampling Method: (Bailer) / Extraction Port / Other: Disposable Bailer

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
.8	X	3	=	2.4 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:31	70.4	7.0	1321	<200	.8	
12:32	70.0	7.1	1402	<200	1.6	
12:33	69.8	7.1	1400	<200	2.4	

Did well dewater? Yes (No)		Gallons actually evacuated: 2.4	
Sampling Time: 12:40		Sampling Date: 11/11/99	
Sample I.D.: MW-A		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 991111-S1	Job # 61257050
Sampler: KPS	Date: 11/11/99
Well I.D.: MW-B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 21.83	Depth to Water: 9.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: (Bailer) ~~Middleburg~~ Electric Submersible Extraction Pump Other: ___

Sampling Method: (Bailer) Extraction Port Other: ___

2	X	3	=	6	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:47	68.2	7.1	2015	51	2	
12:56	680	7.2	2030	32	4	
12:53	68.5	72	2020	30	6	

Did well dewater? Yes (No)		Gallons actually evacuated: 6	
Sampling Time: 13:00		Sampling Date: 11/11/99	
Sample I.D.: MW-B		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

8

EQUIVA WELL MONITORING DATA SHEET

Project #: 991111-S1	Job # 618571050
Sampler: KPS	Date: 11/11/99
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 25.57	Depth to Water: 11.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer; Middleburg; (Electric Submersible) Extraction Pump; Other: ____

Sampling Method: (Bailer); Extraction Port; Other: ____

9.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 27.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
10:13	67.3	6.9	2274	81.2	9	
10:15	69.0	7.0	2200	63.7	18	
10:17	69.0	7.0	2205	88.9	28	

Did well dewater? Yes (No)		Gallons actually evacuated: 28	
Sampling Time: 10:25		Sampling Date: 11/11/99	
Sample I.D.: MW-1		Laboratory: (Sequoia) BC Other ____	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

8 1

1,2,4

EQUIVA WELL MONITORING DATA SHEET

Project #: 991111-S1	Job # 618571050
Sampler: KPS	Date: 11/11/99
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 22.66	Depth to Water: 9.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / ~~Middleburg~~ / (Electric Submersible) / Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

8.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 26.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
9:50	69.3	7.0	2000	143	9	
9:52	70.1	7.0	2159	137	18	
9:54	69.4	6.9	2200	130	27	

Did well dewater? Yes (No) Gallons actually evacuated: 27

Sampling Time: 10:01 Sampling Date: 11/11/99

Sample I.D.: MW-2 Laboratory: (Sequoia) BC Other ___

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Y

EQUIVA WELL MONITORING DATA SHEET

Project #: 991111-S1	Job # 618571050
Sampler: KPS	Date: 11/11/99
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.65	Depth to Water: 10.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / (Electric Submersible) / Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 27 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
10:37	70.2	6.8	2084	25	9	
10:39	71.0	6.7	2093	32	18	
10:41	70.8	6.7	2083	27	27	

Did well dewater? Yes (No) Gallons actually evacuated: 27

Sampling Time: 10:49 Sampling Date: 11/11/99

Sample I.D.: MW-3 Laboratory: (Sequoia) BC Other ___

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Y

EQUIVA WELL MONITORING DATA SHEET

Project #: 991111-S1	Job # 6185710S0
Sampler: KPS	Date: 11/11/99
Well I.D.: MW-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 25.07	Depth to Water: 9.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) Extraction Port / Other: ___

5.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 16.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:01	69.4	7.3	1200	63	5.5	
11:09	69.4	7.2	1259	123	11	
11:17	69.8	7.2	1237	142	17	

Did well dewater? Yes (No)		Gallons actually evacuated:	17
Sampling Time:	11:23	Sampling Date:	11/11/99
Sample I.D.:	MW-4	Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other:	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

Y

EQUIVA WELL MONITORING DATA SHEET

Project #: 991111-S1	Job # 6185710S0
Sampler: KPS	Date: 11/11/99
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 21.44	Depth to Water: 12.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: (Bailer) Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) Extraction Port / Other: ___

1.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 4.2 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:08	70.1	7.0	2011	49	1.5	odor
12:11	69.5	7.1	2223	7	3	"
12:14	70.0	7.0	2195	6	5	"

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Time: 12:20 Sampling Date: 11/11/99

Sample I.D.: MW-5 Laboratory: (Sequoia) BC Other ___

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Y

EQUIVA WELL MONITORING DATA SHEET

Project #: 991111-S1	Job # 618571050
Sampler: KPS	Date: 11/11/99
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.22	Depth to Water: 15.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / (Electric Submersible) / Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

*

5.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 16.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:38	66.6	7.1	1987	65	5.5	
11:39	67.0	7.0	2010	72	11	
11:40	66.6	7.1	2003	66	17	

Did well dewater? Yes (No) Gallons actually evacuated: 17

Sampling Time: 11:47 Sampling Date: 11/11/99

Sample I.D.: MW-8 Laboratory: (Sequoia) BC Other ___

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV