ENVIRONMENTAL MANAGEMENT, INC.

December 5, 2001
Project No. C80-000930G1

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

Re: **Semiannual Monitoring Report – Fourth Quarter 2001**
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
Incident No. 91995053

Dear Ms. Chu:

On behalf of Equiva Services LLC, Blaine Tech Services (Blaine) performed semiannual (4th quarter) groundwater monitoring and sampling at the direction of KHM Environmental Management, Inc. (KHM) at the above-referenced site on October 22, 2001.

Depth to groundwater was measured in Wells MW-A, MW-B, MW-1 through MW-5, and MW-8. Groundwater elevation data and contours are presented on Figure 1.

Groundwater samples were collected from Wells MW-A, MW-B, MW-1 through MW-5, and MW-8. Samples were submitted by Blaine to Kiff Analytical LLC in Davis, California for analysis for total purgeable petroleum hydrocarbons as gasoline (TPPH); benzene, toluene, ethylbenzene, total xylenes (BTEX compounds); and methyl tert-butyl ether (MTBE) using EPA Method 8260B. TPPH, benzene, and MTBE concentrations are presented on Figures 2 through 4, respectively.

Blaine's groundwater monitoring and sampling report, which includes historical and current groundwater elevation data, historical and current analytical results, and field data records for the current monitoring event, is included as Attachment A.

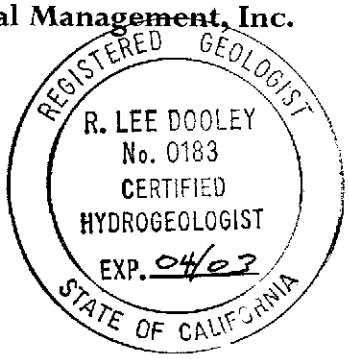
DISCUSSION

A small (0.10 acre) dissolved gasoline plume remains along the northern property boundary. The plume remains stable in size and shape. EPA Method 8260 detected MTBE

for the first time in down gradient Well MW-8 in June 2001. MTBE was not detected in the previous Method 8260 analysis in November 1999. MTBE was not detected in Well MW-8 in the October 22, 2001 sample, indicating the previous result was anomalous.

Please call if you have any questions regarding the contents of this letter.

Sincerely,
KHM Environmental Management, Inc.



R. Lee Dooley
Senior Hydrogeologist
CHG 0183

Attachments: Figure 1 – Groundwater Elevation Contour Map
Figure 2 – TPPH Concentration Map
Figure 3 – Benzene Concentration Map
Figure 4 – MTBE Concentration Map
Attachment A – Groundwater Monitoring and Sampling Report

cc: Ms. Karen Petryna, P.E., Equiva Services LLC, P.O. Box 7869, Burbank, CA 91510-7869
Attn: Environmental Manager, 7-eleven, Inc., 2711 North Haskell Avenue, Dallas, TX 75204-2906
Attn: General Counsel, 7-eleven, Inc., 2711 North Haskell Avenue, Dallas, TX 75204-2906
Mr. Bob DeNinno, 7-Eleven, Inc., 10220 S.W. Greenburg Road Suite 470, Portland, OR 97223

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

December 5, 2001

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

Fourth Quarter 2001 Groundwater Monitoring at
Former Texaco Service Station
930 Springtown Blvd.
Livermore, CA

Monitoring performed on October 22, 2001

Groundwater Monitoring Report **011022-Q-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.

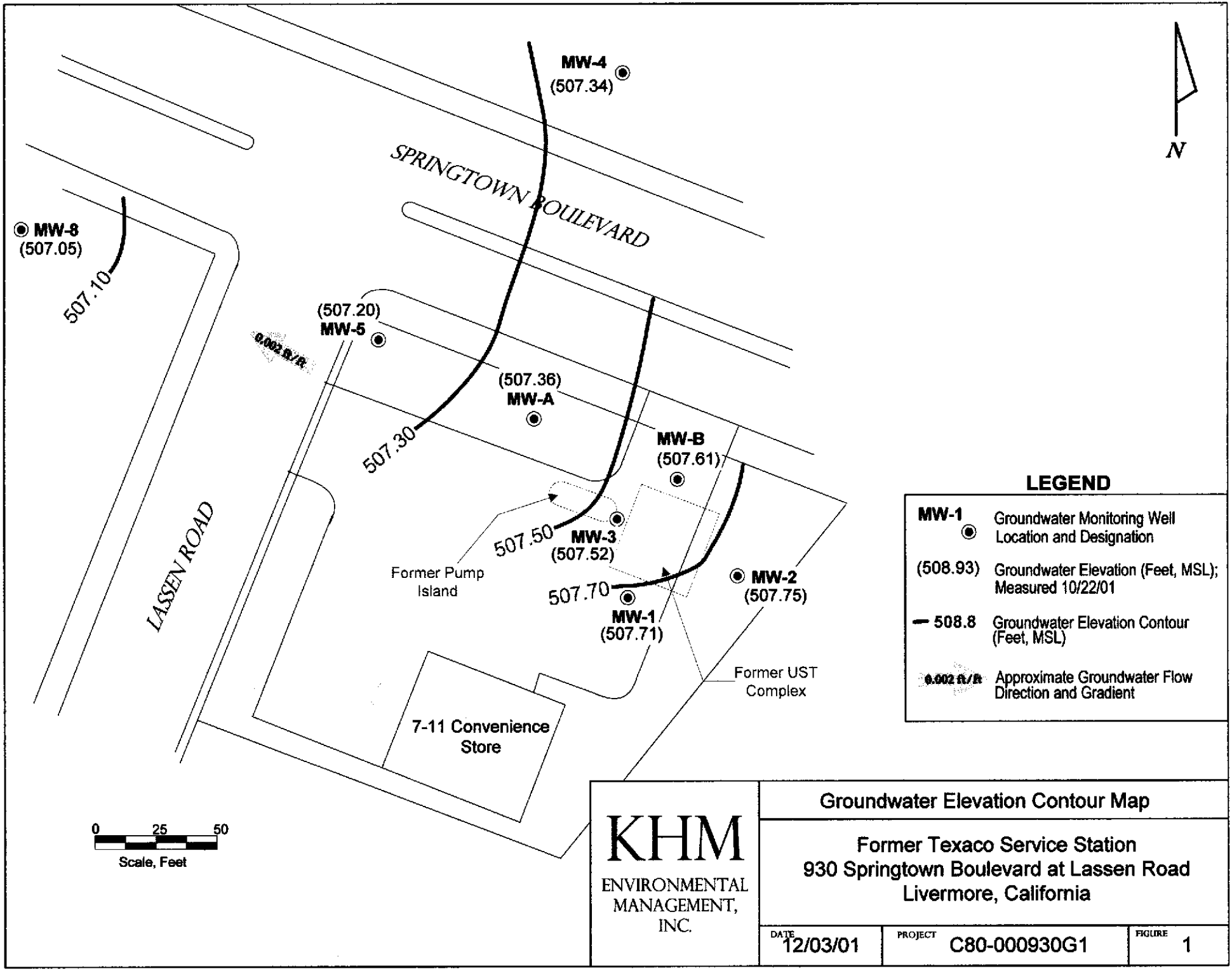
Yours truly,

Nick Sudano
Project Coordinator

NS/mrb

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

cc: Janet Yantis
KHM Environmental
6234 San Ignacio Avenue, Suite E
San Jose, CA 95119



KHM
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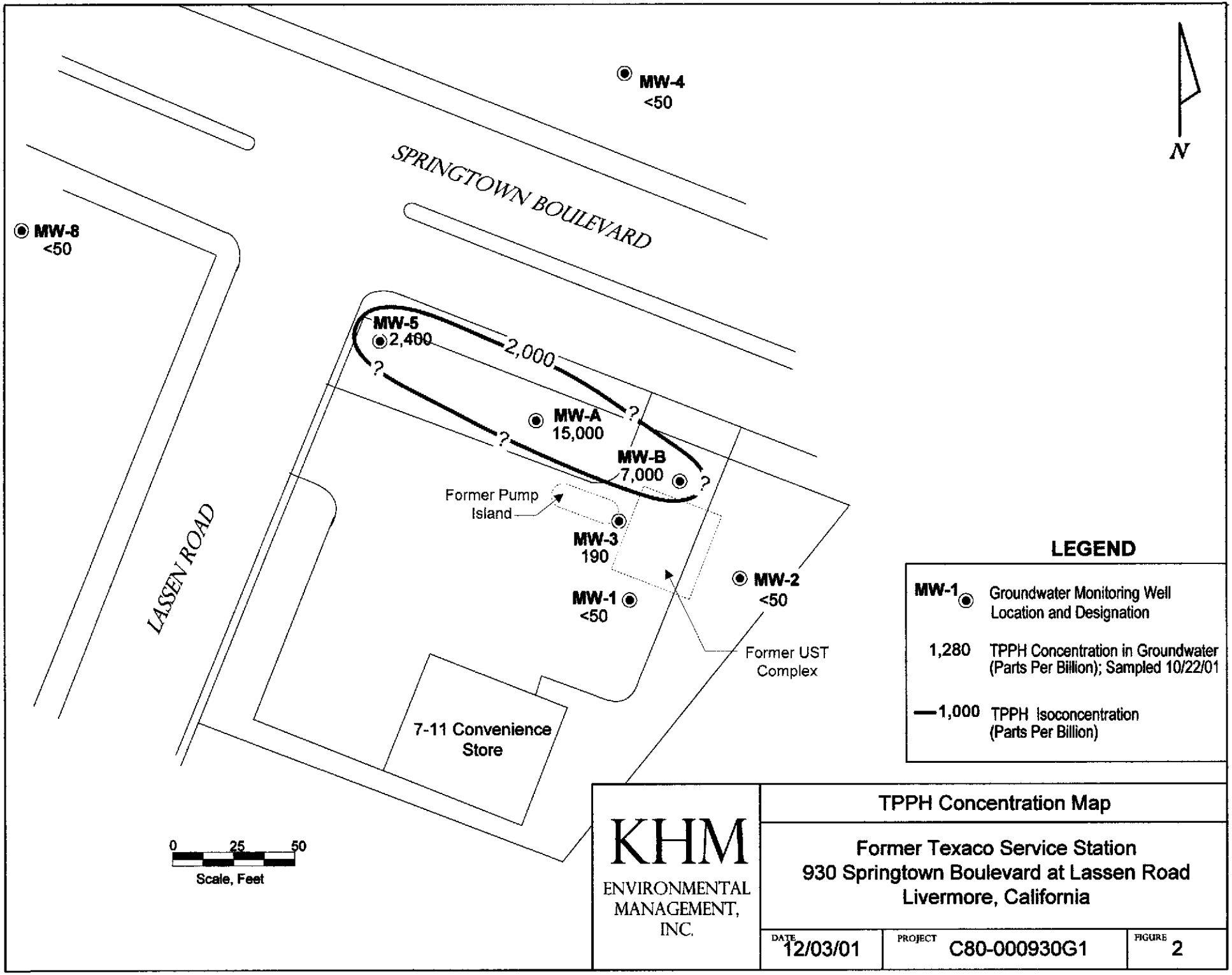
MANAGEMENT,
INC.

Groundwater Elevation Contour Map

Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California

DATE	PROJECT	FIGURE
12/03/01	C80-000930G1	1


MW-4
<50
SPRINGTOWN BOULEVARD
MW-8
<50
MW-5
2,400
2,000
?
?
?
MW-A
15,000
MW-B
7,000
?
Former Pump
Island
MW-3
190
MW-2
<50
MW-1
<50
LASSEN ROAD
Former UST
Complex
7-11 Convenience
Store
0
25
50
Scale, Feet
N
LEGEND
MW-1
Groundwater Monitoring Well
Location and Designation
1,280
TPPH Concentration in Groundwater
(Parts Per Billion); Sampled 10/22/01
1,000
TPPH Isoconcentration
(Parts Per Billion)
KHM
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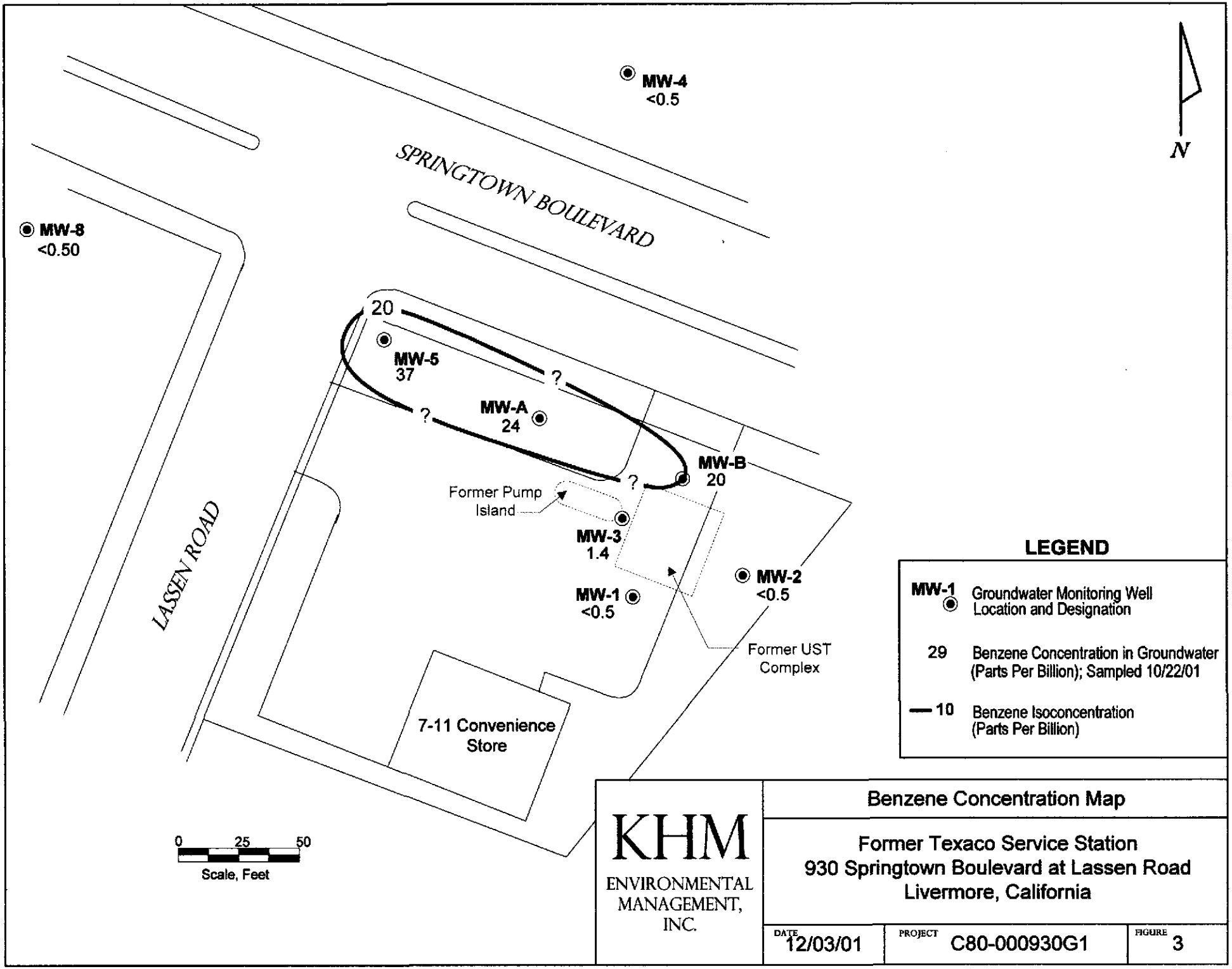
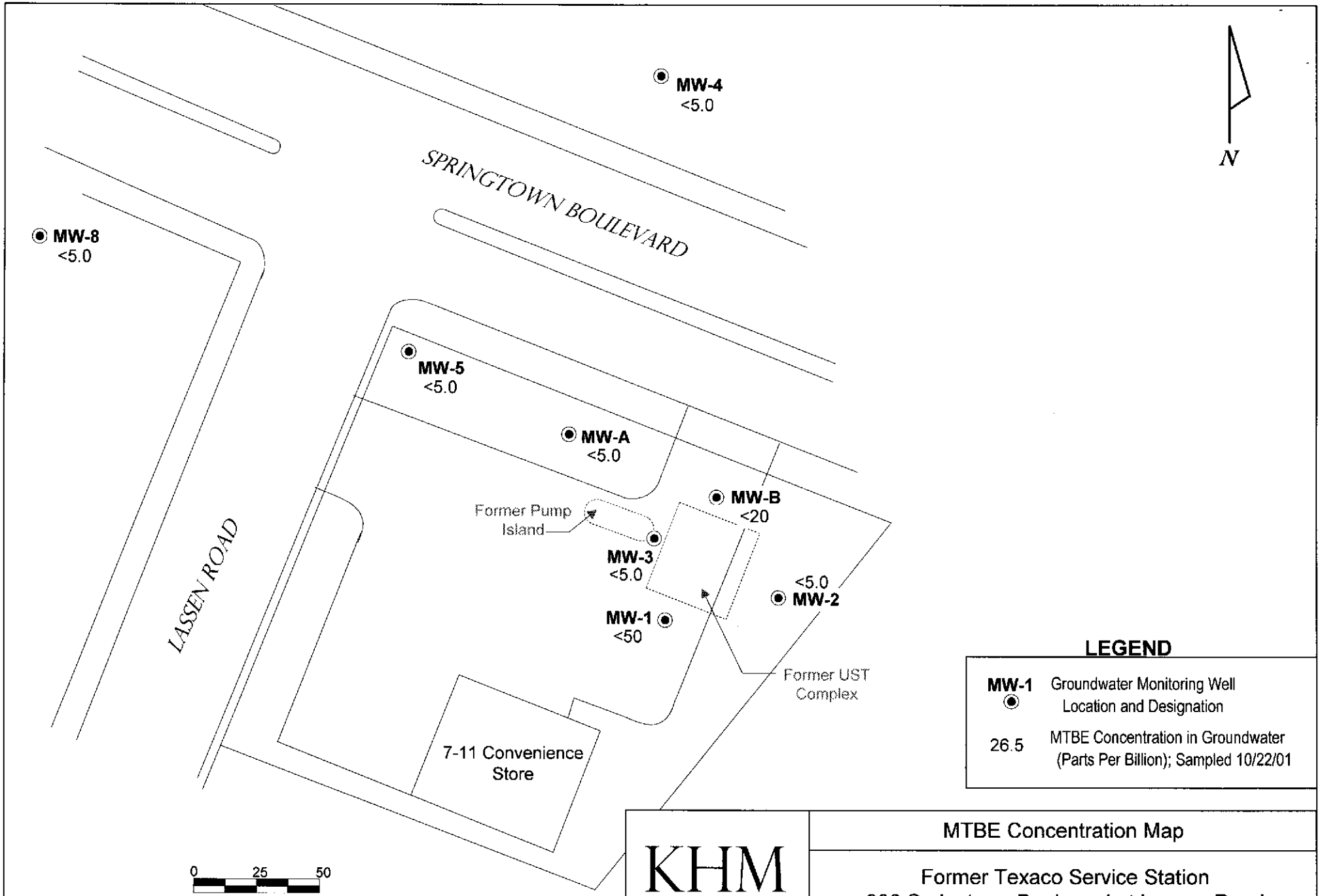
INC.
TPPH Concentration Map
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
DATE
12/03/01
PROJECT
C80-000930G1
FIGURE
2


MW-4
<0.5
SPRINGTOWN BOULEVARD
N
MW-8
<0.50
20
MW-5
37
?
MW-A
24
?
?
MW-B
20
Former Pump
Island
MW-3
1.4
LASSEN ROAD
MW-2
<0.5
MW-1
<0.5
Former UST
Complex
7-11 Convenience
Store
0
25
50
Scale, Feet
LEGEND
MW-1
Groundwater Monitoring Well
Location and Designation
29
Benzene Concentration in Groundwater
(Parts Per Billion); Sampled 10/22/01
10
Benzene Isoconcentration
(Parts Per Billion)
KHM
ENVIRONMENTAL
MANAGEMENT,
INC.
Benzene Concentration Map
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
DATE
12/03/01
PROJECT
C80-000930G1
FIGURE
3



LEGEND

MW-1 ◉	Groundwater Monitoring Well Location and Designation
26.5	MTBE Concentration in Groundwater (Parts Per Billion); Sampled 10/22/01

KHM
ENVIRONMENTAL MANAGEMENT, INC.

MTBE Concentration Map

Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California

DATE	PROJECT	FIGURE
12/03/01	C80-000930G1	4

ATTACHMENT A

GROUNDWATER MONITORING AND SAMPLING REPORT

BLAINE
TECH SERVICES

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

WELLHEAD INSPECTION CHECKLIST

Client EQUIVA

Site Address 930 SPRINGTOWN BLVD.

Technician SUCKLEN

Date 10/22/01

1. Lid on box?	6. Casing secure?	12. Water standing in wellbox?	15. Well cap functional?
2. Lid broken?	7. Casing cut level?	12a. Standing above the top of casing?	16. Can cap be pulled loose?
3. Lid bolts missing?	8. Debris in wellbox?	12b. Standing below the top of casing?	17. Can cap seal out water?
4. Lid bolts stripped?	9. Wellbox is too far above grade?	12c. Water even with the top of casing?	18. Padlock present?
5. Lid seal intact?	10. Wellbox is too far below grade?	13. Well cap present?	19. Padlock functional?
	11. Wellbox is crushed/damaged?	14. Well cap found secure?	

☒ Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

Note below all deficiencies that could not be corrected and still need to be corrected.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected

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

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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	11/11/1999	1010	4.72	<2.50	26.1	59.9	87.6	<0.500	520.10	11.39	508.71
MW-A	04/03/2000	12800	23.8	54.9	704	1070	242	NA	520.10	10.41	509.69
MW-A	10/16/2000	4810	51.6	<20.0	251	434	108	<10.0	520.10	11.59	508.51
MW-A	06/28/2001	1100	1.2	2.4	51	64	NA	<0.50	520.10	12.13	507.97
MW-A	**10/22/2001**	**15000**	**24**	**38**	**1000**	**980**	**NA**	**<5.0**	**520.10**	**12.74**	**507.36**
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

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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-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
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	11/11/1999	685	7.22	14.7	6.10	17.8	<12.5	NA	518.05	9.03	509.02
MW-B	04/03/2000	9250	106	477	346	1320	231	<1.00a	518.05	8.14	509.91
MW-B	10/16/2000	1280	14.5	13.8	13.3	38.8	26.5	NA	518.05	9.42	508.63
MW-B	06/28/2001	16000	29	550	470	1700	NA	<2.5	518.05	9.81	508.24
MW-B	**10/22/2001**	**7000**	**20**	**400**	**330**	**1100**	**NA**	**<20**	**518.05**	**10.44**	**507.61**
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

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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-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
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	11/11/1999	82.5	6.35	7.08	4.76	10.9	3.13	1.08	520.61	11.54	509.07
MW-1	04/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	520.61	10.65	509.96
MW-1	10/16/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	520.61	11.91	508.70
MW-1	06/28/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	0.65	520.61	12.37	508.24
MW-1	**10/22/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**0.55**	**NA**	**<5.0**	**520.61**	**12.90**	**507.71**
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

WELL CONCENTRATIONS
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930 Springtown Boulevard
Livermore, CA

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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
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	4.71	10.8	3.21	1.04	518.29	9.19	509.10
MW-2	04/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	518.29	8.31	509.98
MW-2	10/16/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	518.29	9.36	508.93
MW-2	06/28/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	518.29	9.88	508.41
MW-2	**10/22/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**518.29**	**10.54**	**507.75**
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

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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
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
MW-3	11/11/1999	569	103	47.1	14.1	29.6	521	604	519.60	10.73	508.87
MW-3	04/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	519.60	9.78	509.82
MW-3	10/16/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	519.60	10.97	508.63

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MW-3	06/28/2001	110	<0.50	<0.50	0.56	1.8	NA	1.8	519.60	11.49	508.11
MW-3	**10/22/2001**	**190**	**1.4**	**1.3**	**1.2**	**7.7**	**NA**	**<5.0**	**519.60**	**12.08**	**507.52**
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
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

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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	11/11/1999	83.6	6.50	7.52	4.31	9.59	<2.50	NA	518.79	9.81	508.98
MW-4	04/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	518.79	9.24	509.55
MW-4	10/16/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	518.79	10.49	508.30
MW-4	06/28/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	518.79	10.82	507.97
MW-4	**10/22/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**518.79**	**11.45**	**507.34**
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
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

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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	<12.5	NA	521.19	12.64	508.55
MW-5	04/03/2000	5060	130	20.8	281	30.6	74.1	NA	521.19	11.64	509.55
MW-5	10/16/2000	2070	35.4	33.6	114	57.6	50.1	NA	521.19	12.82	508.37
MW-5	06/28/2001	1500	15	2.5	74	5.5	NA	<0.50	521.19	13.40	507.79
MW-5	**10/22/2001**	**2400**	**37**	**2.9**	**75**	**7.3**	**NA**	**<5.0**	**521.19**	**13.99**	**507.20**
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

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MW-6	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	14.07	508.11
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

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MW-8	02/07/1996	<50	7.0	<0.5	<0.5	<0.5	NA	NA	524.03	14.42	509.61
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	3.70	<0.500	524.03	15.74	508.29
MW-8	04/03/2000	87.7	10.8	<0.500	<0.500	<0.500	<2.50	NA	524.03	14.76	509.27
MW-8	10/16/2000	237	11.3	<0.500	<0.500	0.544	7.93	NA	524.03	15.91	508.12
MW-8	06/28/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	29	524.03	16.49	507.54
MW-8	**10/22/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**2.0**	**NA**	**<5.0**	**524.03**	**16.98**	**507.05**

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)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 28, 2001, analyzed by EPA method 8015.

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 28, 2001, analyzed 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.

Notes:

a = Sample analyzed outside of EPA recommended holding time.

For the event on April 3, 2000, the lab confirmed MTBE by 8260 for well MW-B instead of well MW-A.

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Nick Sudano
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 8 Water Samples
Project Name : 930 Springtown Boulevard, Livermore
Project Number : 011022-Q1
P.O. Number : 91995053

Dear Mr. Sudano,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown Boulevard, Livermore**
Project Number : **011022-Q1**

Sample : **MW-A** Matrix : Water Lab Number : 22999-01
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**24**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**38**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**1000**	10	ug/L	EPA 8260B	10/28/2001
Total Xylenes	**980**	10	ug/L	EPA 8260B	10/28/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**15000**	1000	ug/L	EPA 8260B	10/28/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	10/25/2001

Sample : **MW-B** Matrix : Water Lab Number : 22999-02
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**20**	2.0	ug/L	EPA 8260B	10/28/2001
Toluene	**400**	2.0	ug/L	EPA 8260B	10/28/2001
Ethylbenzene	**330**	2.0	ug/L	EPA 8260B	10/28/2001
Total Xylenes	**1100**	2.0	ug/L	EPA 8260B	10/28/2001
Methyl-t-butyl ether (MTBE)	**< 20**	20	ug/L	EPA 8260B	10/28/2001
TPH as Gasoline	**7000**	200	ug/L	EPA 8260B	10/28/2001
Toluene - d8 (Surr)	110		% Recovery	EPA 8260B	10/28/2001
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/28/2001

Joel Kiff

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown Boulevard, Livermore**
Project Number : **011022-Q1**

Sample : **MW-1** Matrix : Water Lab Number : 22999-03
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2001
Total Xylenes	**0.55**	0.50	ug/L	EPA 8260B	10/26/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/26/2001
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	10/26/2001
4-Bromofluorobenzene (Surr)	91.2		% Recovery	EPA 8260B	10/26/2001

Sample : **MW-2** Matrix : Water Lab Number : 22999-04
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	10/25/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown Boulevard, Livermore**
Project Number : **011022-Q1**

Sample : **MW-3** Matrix : Water Lab Number : 22999-05
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.4**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**1.3**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**1.2**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**7.7**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**190**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	10/25/2001

Sample : **MW-4** Matrix : Water Lab Number : 22999-06
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	10/25/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown Boulevard, Livermore**
Project Number : **011022-Q1**

Sample : **MW-5** Matrix : Water Lab Number : 22999-07
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**37**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**2.9**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**75**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**7.3**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**2400**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	97.7		% Recovery	EPA 8260B	10/25/2001

Sample : **MW-8** Matrix : Water Lab Number : 22999-08
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**2.0**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	95.9		% Recovery	EPA 8260B	10/25/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 22999

Date : 11/1/2001

Project Name : **930 Springtown**

Project Number : **011022-Q1**

22999 Quality Control Data - Method Blank

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	10/25/2001

Approved By: Joel Kiff

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 22999

Date : 11/1/2001

Project Name : **930 Springtown**

Project Number : **011022-Q1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Spike Recovery Data														
Benzene	22943-09	<0.50	40.5	40.2	40.2	40.9	ug/L	EPA 8260B	10/26/2009	99.3	102	2.31	70-130	25
Toluene	22943-09	<0.50	40.5	40.2	39.4	40.3	ug/L	EPA 8260B	10/26/2009	97.4	100	2.71	70-130	25
Tert-Butanol	22943-09	<5.0	202	201	188	193	ug/L	EPA 8260B	10/26/2009	92.8	96.0	3.29	70-130	25
Methyl-t-Butyl Ether	22943-09	<0.50	40.5	40.2	32.0	32.2	ug/L	EPA 8260B	10/26/2009	79.0	80.0	1.35	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown**
Project Number : **011022-Q1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	10/24/200	109	70-130
Toluene	40.0	ug/L	EPA 8260B	10/24/200	118	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/24/200	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/24/200	116	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC
720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

LAB: KIFF

Lab Identification (if necessary):

Address:

City, State, Zip:

EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Karen Petryna

22999

INCIDENT NUMBER (S&E ONLY): 9 1 9 9 5 0 5 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 10/22/01

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS (Street and City): 930 Springtown Boulevard, Livermore

GLOBAL ID NO.: T0600101353

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

EDF DELIVERABLE TO (Responsible Party or Designee): Janet Yantis

PHONE NO.: 408-224-4724

E-MAIL: jyantis@khm1.com

CONSULTANT PROJECT NO.: BTS # 011022-9J

PROJECT CONTACT (Hardcopy or PDF Report to): Nick Sudano

TELEPHONE: 408-573-0555

FAX: 408-573-7771

E-MAIL: nsudano@blainetech.com

SAMPLER NAME(S) (Print): SUCHEON SUNG

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES:

TEMPERATURE ON RECEIPT C°:

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note								FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
-	MW-A	10/22/01	1346	GW	3	X	X	X																	-01
-	MW-B		1433			X	X	X																	-02
-	MW-1		1245			X	X	X																	-03
-	MW-2		1153			X	X	X																	-04
-	MW-3		1315			X	X	X																	-05
-	MW-4		1120			X	X	X																	-06
-	MW-5		1415			X	X	X																	-07
-	MW-6	↓	1026	↓	↓	X	X	X																	-08

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuttle / Kiff Analytical	Date: 102301	Time: 1140

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/15/00 Revision

WELL GAUGING DATA

Project # 011022-Q1 Date 10/22/01 Client 91995053

Site 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	
MW-A	2					12.74	16.35		
MW-B	2					10.44	22.20		
MW-1	4					12.90	25.40		
MW-2	4					10.54	22.48		
MW-3	4					12.08	24.52		
MW-4	3					11.45	24.85		
MW-5	2					13.99	22.00		
MW-8	4					16.98	24.20		

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-A	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.35	Depth to Water: 12.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:

- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

.6 (Gals.) X	3	=	1.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1335	72.2	7.3	1676	>200	.6	Light sheen odor & turbid
1338	70.8	7.2	1717	>200	1.2	"
1341	71.0	7.3	1749	>200	1.8	"

Did well dewater? Yes (No) Gallons actually evacuated: 1.8

Sampling Time: 1346 Sampling Date: 10/22/01

Sample I.D.: MW-A Laboratory: Sequoia Columbia Other KIFF

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

BTS #: 011022-Q1	Site: 9199503
Sampler: SS	Date: 10/22/01
Well I.D.: MW-B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 22.20	Depth to Water: 10.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:

- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

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

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1420	71.1	7.6	1788	>200	2	TURBID ODOR / SHEEN
1424	68.0	7.6	1796	93	4	LESS TURBID
1428	68.7	7.6	1803	103	6	"

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 1433 Sampling Date: 10/22/01

Sample I.D.: MW-B Laboratory: Sequoia Columbia Other KIFF

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 25.40	Depth to Water: 12.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

8 (Gals.) X 3 = 24 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1215	69.0	7.2	2318	147	8	almost clear
1217	68.6	7.0	2354	>200	16	TURBID
12[illegible]9	well dewatered @ 16 gal.					DTW - ~~78~~ 15.50
1240	68.7	7.0	2360	>200	24	TURBID DTW - 12.55

Did well dewater? (Yes) No		Gallons actually evacuated: 24	
Sampling Time: 1245		Sampling Date: 10/22/01	
Sample I.D.: MW-1		Laboratory: Sequoia Columbia Other KIFF	
Analyzed for: (TPH-G BTEX MTBE TPH-D)		Other:	
EB I.D. (if applicable): @ Time		Duplicate I.D. (if applicable):	
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

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 22.48	Depth to Water: 10.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

8 (Gals.) X	3	= 24 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1145	67.1	7.0	1762	>200	8	TURBID
1147	66.5	7.4	1835	>200	16	"
1149	66.5	7.4	1835	>200	24	"

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Time: 1153 Sampling Date: 10/22/01

Sample I.D.: MW-2 Laboratory: Sequoia Columbia Other KIFF

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

BTS #: 011022-01	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.52	Depth to Water: 12.08
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

8 (Gals.) X 3 = 24 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1300	73.7	7.3	2092	>200	8	TURBID
1305	75.0	7.3	2066	>200	16	"
1310	76.7	7.1	2069	>200	24	"

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Time: 1315 Sampling Date: 10/22/01

Sample I.D.: MW-3 Laboratory: Sequoia Columbia Other KIFF

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

BTS #: 011022-Q1	Site: 99995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 24.85	Depth to Water: 11.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:

- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

5 (Gals.) X	3	=	15 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1055	70.2	7.6	1350	>200	5	MURKY
1105	70.9	7.6	1343	>200	10	"
1115	71.9	7.7	1341	>200	15	"

Did well dewater? Yes (No)

Gallons actually evacuated: 15

Sampling Time: 1120

Sampling Date: 10/22/01

Sample I.D.: MW-4

Laboratory: Sequoia Columbia Other KIFF

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

EB I.D. (if applicable): @ Time

Duplicate I.D. (if applicable):

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

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 22.00	Depth to Water: 13.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- X Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

1.5 (Gals.) X	3	= 4.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1400	70.5	7.4	1653	>200	1.5	clear & turbid mild odor
1405	70.1	7.3	1841	>200	3.0	" "
1410	69.6	7.3	1936	>200	4.5	" "

Did well dewater? Yes (No)	Gallons actually evacuated: 4.5
Sampling Time: 1405	Sampling Date: 10/22/01
Sample I.D.: MW-5	Laboratory: Sequoia Columbia Other KIFF
Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:	
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
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

BTS #: 011022-Q1	Site: 99995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: ~~35~~ 24.20	Depth to Water: ~~[illegible]~~ 16.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer	Waterra	
Disposable Bailer	Peristaltic	
Middleburg	Extraction Pump	
X Electric Submersible	Other_____	

Sampling Method: X Bailer
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: _____

5 (Gals.) X	3	=	15 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1019	63.9	5.9	1746	94	5	clear
1020	63.9	6.6	1720	75	10	"
1021	64.3	6.8	1707	45	15	"

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Time: 1026 Sampling Date: 10/22/01

Sample I.D.: MW-8 Laboratory: Sequoia Columbia Other KIFF

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

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EQUIVA WELL MONITORING DA . SHEET

BTS #: 020104-DA2	Site: 930 Springtown Blvd. Livermore
Sampler: DA	Date: 1/4/02
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.20	Depth to Water: 15.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- ~~Electric Submersible~~
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: (Bailer)
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

5.8 (Gals.) X 3 = 17.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1242	60.2	7.2	1683	86	5.8	
1244	61.8	7.0	1444	50	11.6	
1245	61.7	7.1	1431	50	17.4	

Did well dewater? Yes (No) Gallons actually evacuated: 17.4

Sampling Time: 1249 Sampling Date: 1/4/02

Sample I.D.: MW-8 Laboratory: Sequoia Columbia Other Kiff

Analyzed for: ~~TPH-G BTEX MTBE~~ TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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