

C A M B R I A

November 15, 2001

Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Third Quarter 2001 Monitoring Report**
Shell-branded Service Station
1784 150th Avenue
San Leandro, California
Incident #98996068
Cambria Project #243-0612-002



Dear Mr. Seery:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

THIRD QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, gauged all site wells, sampled select wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

In addition to the usual gasoline constituents, all wells are analyzed quarterly for volatile organic compounds (VOCs) by EPA Method 8260B. **No VOCs were reported this quarter, except 1,2-dichloroethane at 10 parts per billion in MW-3.** Since 1992, the concentration of 1,2-dichloroethane in water has fluctuated between 0.85 and 99.9 parts per billion, and therefore we propose to reduce VOC monitoring to an annual schedule. Cambria will contact the caseworker prior to the fourth quarter 2001 monitoring event to confirm acceptance of the reduced monitoring proposal.

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

never
happened

ANTICIPATED FOURTH QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine will gauge all wells, sample selected wells, and tabulate the data. Cambria will prepare a monitoring report.

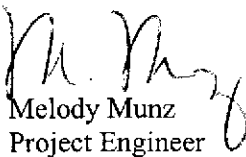
Monitoring Well Installation: On August 27, 2001 Cambria submitted an *Offsite Monitoring Well Installation Work Plan* for installing two downgradient monitoring wells to further define the extent of the dissolved gasoline plume and to monitor long-term plume stability. The work plan was approved by the Alameda County Health Care Services Agency on August 28, 2001. Cambria completed the work on October 24, 2001 and will submit a monitoring well installation report in the 4th quarter of 2001.


Well Survey: Cambria will prepare a well survey to identify potential receptors within a 1/2-mile radius of the site.

CLOSING

We appreciate the opportunity to work with you on this project. Please call Melody Munz at (510) 420-3324 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc


Melody Munz
Project Engineer


Stephan A. Bork, C.E.G., C.HG.
Associate Hydrogeologist

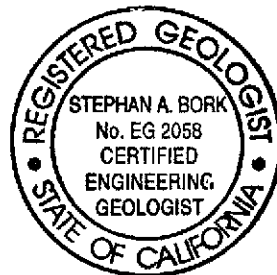


Figure: 1 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869

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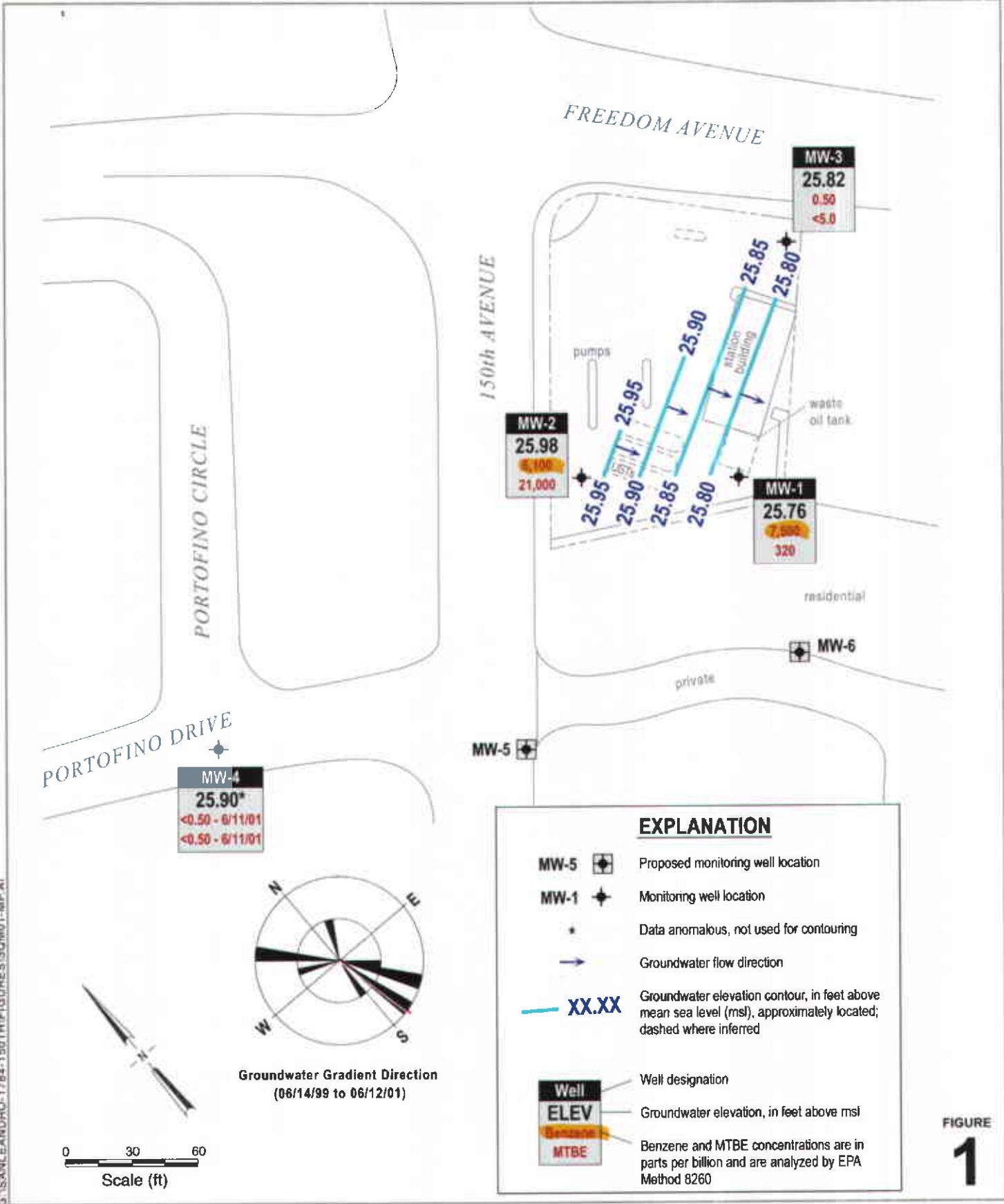


FIGURE 1

Shell-branded Service Station
 1784 150th Avenue
 San Leandro, California
 Incident #98996068



CAMBRIA

Groundwater Elevation Contour Map

September 12, 2001

ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

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

October 11, 2001

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

Third Quarter 2001 Groundwater Monitoring at
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA

Monitoring performed on September 12, 2001

Groundwater Monitoring Report **010912-N-2**

This report covers the routine monitoring of groundwater wells at this Shell-branded 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 Shell Martinez Manufacturing Complex.

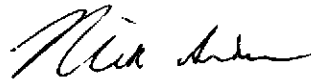
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,



Nick Sudano
Project Coordinator

NS/jt

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Ste. C
Oakland, CA 94608

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA
Wic #204-6852-1404

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	03/08/1990	510	120	1.5	0.8	<0.5	5.4	NA	NA	49.13	25.29	23.84	NA	NA
MW-1	06/12/1990	390	100	86	1.3	0.7	6.2	NA	NA	49.13	25.85	23.28	NA	NA
MW-1	09/13/1990	100	130	56	0.75	2.4	2.8	NA	NA	49.13	27.49	21.64	NA	NA
MW-1	12/18/1990	480	<50	54	1.7	3.3	3.7	NA	NA	49.13	27.41	21.72	NA	NA
MW-1	03/07/1991	80	<50	266	<0.5	1.2	<1.5	NA	NA	49.13	25.79	23.34	NA	NA
MW-1	06/07/1991	510	<50	130	3.8	6.1	11	NA	NA	49.13	25.64	23.49	NA	NA
MW-1	09/17/1991	330	120a	67	<0.5	3.0	2.2	NA	NA	49.13	27.54	21.59	NA	NA
MW-1	12/09/1991	140a	80	<0.5	<0.5	1.7	4.7	NA	NA	49.13	27.81	21.32	NA	NA
MW-1	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	25.57	23.56	NA	NA
MW-1	02/24/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	22.83	26.30	NA	NA
MW-1	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	23.09	26.04	NA	NA
MW-1	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	49.13	23.26	25.87	NA	NA
MW-1	06/03/1992	1,500	NA	520	180	72	230	NA	NA	49.13	24.64	24.49	NA	NA
MW-1	09/01/1992	130	NA	16	1.4	1.8	3.4	NA	NA	49.13	26.74	22.39	NA	NA
MW-1	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.18	21.95	NA	NA
MW-1	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.99	21.14	NA	NA
MW-1	12/04/1992	150	NA	360	0.7	1.8	2.1	NA	NA	49.13	27.14	21.99	NA	NA
MW-1	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.09	29.04	NA	NA
MW-1	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	49.13	24.26	24.87	NA	NA
MW-1	03/03/1993	<50	NA	1.5	<0.5	<0.5	<0.5	NA	NA	49.13	20.50	28.63	NA	NA
MW-1	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	49.13	21.70	27.43	NA	NA
MW-1	06/17/1993	1,600	NA	340	120	120	440	NA	NA	49.13	22.42	26.71	NA	NA
MW-1	09/10/1993	2,600	NA	670	340	310	730	NA	NA	49.13	24.11	25.02	NA	NA
MW-1	12/13/1993	11,000	NA	470	320	380	2,300	NA	NA	49.13	23.73	25.40	NA	NA
MW-1	03/03/1994	16,000	NA	700	690	480	3,200	NA	NA	49.13	22.08	27.05	NA	NA
MW-1	06/06/1994	7,500	NA	420	280	200	1,000	NA	NA	49.13	23.10	26.03	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA
Wic #204-6852-1404

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	09/12/1994	1,200	NA	110	21	3.3	420	NA	NA	49.13	25.19	23.94	NA	NA
MW-1	12/19/1994	4,600	NA	470	330	230	1,300	NA	NA	49.13	23.06	26.07	NA	NA
MW-1	02/28/1995	500	NA	59	32	6.8	68	NA	NA	49.13	20.90	28.23	NA	NA
MW-1	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	49.13	18.28	30.85	NA	NA
MW-1	06/26/1995	5,500	NA	740	420	300	1,800	NA	NA	49.13	20.40	28.73	NA	NA
MW-1	09/13/1995	84,000	NA	1,900	2,600	3,000	14,000	NA	NA	49.13	22.62	26.51	NA	NA
MW-1	12/19/1995	80,000	NA	660	350	170	18,000	NA	NA	49.13	22.10	27.03	NA	NA
MW-1	03/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	49.13	18.83	30.34	0.05	NA
MW-1	06/28/1996	270,000	NA	2,800	820	1,000	16,000	<0.5	NA	49.13	21.46	27.67	NA	NA
MW-1 (D)	06/28/1996	790,000	NA	2,200	780	1,000	13,000	15,000	NA	49.13	21.46	27.67	NA	NA
MW-1	09/26/1996	29,000	NA	1,100	260	270	1,900	<1,000	NA	49.13	23.57	25.57	0.01	NA
MW-1	09/26/1996	25,000	NA	1,200	320	240	1,900	<1,000	NA	49.13	NA	NA	NA	NA
MW-1	12/10/1996	13,000	NA	510	240	230	1,200	100	NA	49.13	21.43	27.70	NA	1.0
MW-1 (D)	12/10/1996	8,400	NA	420	130	140	680	81	NA	49.13	21.43	27.70	NA	1.0
MW-1	03/10/1997	4,200	NA	13	8.8	16	74	<12	NA	49.13	20.08	29.05	NA	2.0
MW-1 (D)	03/10/1997	5,100	NA	12	8.9	17	79	<25	NA	49.13	20.08	29.05	NA	2.0
MW-1	06/30/1997	5,700	NA	320	120	140	700	47	NA	49.13	21.68	27.45	NA	1.6
MW-1 (D)	06/30/1997	5,300	NA	300	95	120	580	45	NA	49.13	21.68	27.45	NA	1.6
MW-1	09/12/1997	6,300	NA	120	26	82	260	30	NA	49.13	21.78	27.35	NA	2.1
MW-1 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.78	28.35	NA	1.3
MW-1	02/02/1998	84	NA	5.1	<0.50	<0.50	2.1	2.5	NA	49.13	19.65	29.48	NA	2.0
MW-1	06/24/1998	13,000	NA	3,000	260	410	1,400	<250	NA	49.13	19.65	29.48	NA	2.5
MW-1 (D)	06/24/1998	12,000	NA	3,800	250	47	1,400	710	NA	49.13	19.65	29.48	NA	2.5
MW-1	08/26/1998	3,100	NA	1,200	27	170	50	88	NA	49.13	20.49	28.64	NA	2.1
MW-1	12/23/1998	45,000	NA	5,300	220	1,000	3,600	970	NA	49.13	21.22	27.91	NA	3.8
MW-1	03/01/1999	22,300	NA	2,540	436	753	3,370	<400	NA	49.13	19.27	29.86	NA	1.8

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MW-1	06/14/1999	18,800	NA	6,820	210	436	958	1,360	NA	49.13	20.80	28.33	NA	2.2
MW-1	09/28/1999	21,500	NA	7,470	281	467	927	1,800	NA	49.13	22.55	26.58	NA	2.0
MW-1	12/08/1999	22,300	NA	6,140	135	256	367	232	NA	49.13	23.12	26.01	NA	2.1
MW-1	03/14/2000	6,690	NA	1,880	63.5	134	307	460	NA	49.13	18.87	30.26	NA	2.3
MW-1	06/28/2000	8,080	NA	2,690	85.1	149	514	701	NA	49.13	21.12	28.01	NA	2.4
MW-1	09/06/2000	17,800	NA	7,390	212	329	1,270	<1,000	NA	49.13	21.90	27.23	NA	3.0
MW-1	12/14/2000	8,900	NA	4,870	79.2	106	370	1,840	673*	49.13	22.60	26.53	NA	2.0
MW-1	03/05/2001	7,520	NA	2,120	66.0	107	129	668	NA	49.13	20.06	29.07	NA	0.4
MW-1	06/11/2001	30,000	NA	7,400	390	600	2,300	NA	170	49.13	22.39	26.74	NA	1.6
MW-1	09/12/2001	23,000	NA	7,500	120	280	910	NA	320	49.13	23.37	25.76	NA	2.2
MW-2	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	45.83	22.22	23.61	NA	NA
MW-2	02/24/1992	17,000	2,700a	6,200	1,600	550	1,900	NA	NA	45.83	19.61	26.22	NA	NA
MW-2	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.92	25.91	NA	NA
MW-2	03/01/1992	86,000	1,000a	30,000	34,000	2,300	16,000	NA	NA	45.83	21.11	24.72	NA	NA
MW-2	06/03/1992	87,000	NA	28,000	18,000	2,000	10,000	NA	NA	45.83	21.58	24.25	NA	NA
MW-2	09/01/1992	110,000	NA	21,000	13,000	1,900	7,800	NA	NA	45.83	23.46	22.37	NA	NA
MW-2	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	45.83	23.99	21.84	NA	NA
MW-2	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	45.83	24.25	21.58	NA	NA
MW-2	12/04/1992	42,000	NA	15,000	2,400	960	2,900	NA	NA	45.83	23.89	21.94	NA	NA
MW-2	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.03	28.80	NA	NA
MW-2	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.08	27.75	NA	NA
MW-2	03/03/1993	160,000	NA	36,000	3,800	32,000	21,000	NA	NA	45.83	17.28	28.55	NA	NA
MW-2 (D)	03/03/1993	150,000	NA	31,000	3,100	20,000	14,000	NA	NA	45.83	17.28	28.55	NA	NA
MW-2	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.41	27.42	NA	NA
MW-2	06/17/1993	65,000	NA	34,000	15,000	3,200	11,000	NA	NA	45.83	19.06	26.77	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA
Wic #204-6852-1404

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
MW-2 (D)	06/17/1993	62,000	NA	28,000	14,000	2,700	10,000	NA	NA	45.83	19.06	26.77	NA	NA
MW-2	09/10/1993	72,000	NA	24,000	16,000	2,300	11,000	NA	NA	45.83	20.88	24.95	NA	NA
MW-2 (D)	09/10/1993	71,000	NA	23,000	15,000	2,300	10,000	NA	NA	45.83	20.88	24.95	NA	NA
MW-2	12/13/1993	19,000	NA	5,400	4,900	680	3,100	NA	NA	45.83	20.42	25.41	NA	NA
MW-2 (D)	12/13/1993	17,000	NA	6,200	5,500	720	3,500	NA	NA	45.83	20.42	25.41	NA	NA
MW-2	03/03/1994	110,000	NA	21,000	24,000	2,000	13,000	NA	NA	45.83	18.48	27.35	NA	NA
MW-2 (D)	03/03/1994	93,000	NA	19,000	22,000	1,800	12,000	NA	NA	45.83	18.48	27.35	NA	NA
MW-2	06/06/1994	10,000	NA	1,900	3,300	2,500	13,000	NA	NA	45.83	20.26	25.57	NA	NA
MW-2 (D)	06/06/1994	99,000	NA	9,900	12,000	2,400	12,000	NA	NA	45.83	20.26	25.57	NA	NA
MW-2	09/12/1994	160,000	NA	22,000	33,000	3,400	23,000	NA	NA	45.83	21.80	24.03	NA	NA
MW-2 (D)	09/12/1994	150,000	NA	23,000	34,000	3,500	23,000	NA	NA	45.83	21.80	24.03	NA	NA
MW-2	12/19/1994	80,000	NA	17,000	16,000	2,300	14,000	NA	NA	45.83	19.66	26.17	NA	NA
MW-2 (D)	12/19/1994	100,000	NA	28,000	26,000	3,400	20,000	NA	NA	45.83	19.66	26.17	NA	NA
MW-2	02/28/1995	100,000	NA	24,000	18,000	2,300	17,000	NA	NA	45.83	17.51	28.32	NA	NA
MW-2 (D)	02/28/1995	100,000	NA	31,000	21,000	3,200	18,000	NA	NA	45.83	17.51	28.32	NA	NA
MW-2	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	45.83	14.88	30.95	NA	NA
MW-2	06/26/1995	45,000	NA	14,000	12,000	1,500	7,500	NA	NA	45.83	17.58	28.25	NA	NA
MW-2 (D)	06/26/1995	68,000	NA	13,000	11,000	1,800	7,700	NA	NA	45.83	17.58	28.25	NA	NA
MW-2	09/13/1995	110,000	NA	19,000	19,000	2,800	15,000	NA	NA	45.83	19.28	26.55	NA	NA
MW-2 (D)	09/13/1995	120,000	NA	20,000	20,000	2,900	15,000	NA	NA	45.83	19.28	26.55	NA	NA
MW-2	12/19/1995	180,000	NA	18,000	29,000	4,100	24,000	NA	NA	45.83	18.61	27.22	NA	NA
MW-2 (D)	12/19/1995	160,000	NA	18,000	28,000	3,800	24,000	NA	NA	45.83	18.61	27.22	NA	NA
MW-2	03/06/1996	120,000	NA	28,000	15,000	3,900	17,000	NA	NA	45.83	15.41	30.42	NA	NA
MW-2	06/28/1996	96,000	NA	20,000	20,000	4,100	22,000	2,400	NA	45.83	17.84	27.99	NA	NA
MW-2	09/26/1996	87,000	NA	7,600	11,000	2,500	15,000	990	840	45.83	19.60	26.23	NA	NA
MW-2	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.15	27.88	0.25	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
MW-2	03/10/1997	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.02	28.97	0.20	NA
MW-2	06/30/1997	57,000	NA	3,600	4,600	1,300	9,700	2,300	NA	45.83	19.42	26.41	NA	2.4
MW-2	09/12/1997	88,000	NA	7,800	8,800	2,600	16,000	3,200	NA	45.83	19.40	26.43	NA	1.7
MW-2 (D)	09/12/1997	90,000	NA	8,300	9,400	2,700	17,000	3,400	NA	45.83	19.40	26.43	NA	1.7
MW-2 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.56	28.27	NA	1.3
MW-2	02/02/1998	<50	NA	0.6	1.9	0.93	6.0	9.3	NA	45.83	18.14	27.69	NA	2
MW-2 (D)	02/02/1998	56	NA	1.0	2.8	1.4	9.3	13	NA	45.83	18.14	27.69	NA	2
MW-2	06/24/1998	20,000	NA	<200	620	560	4,500	<1,000	NA	45.83	16.08	29.75	NA	2.4
MW-2	08/26/1998	22,000	NA	380	1,100	560	4,400	330	NA	45.83	19.25	26.58	NA	NA
MW-2 (D)	08/26/1998	11,000	NA	180	130	290	500	1,400	NA	45.83	19.25	26.58	NA	NA
MW-2	12/23/1998	100,000	NA	4,100	6,500	2,400	16,000	<500	NA	45.83	18.29	27.54	NA	3.8
MW-2	03/01/1999	50,800	NA	3,910	7,480	1,890	13,100	9,620	NA	45.83	22.81	23.02	NA	2.0
MW-2	06/14/1999	4,930	NA	128	270	139	1,040	2,200	2,540*	45.83	18.86	26.97	NA	1.6
MW-2	09/28/1999	16,200	NA	647	1,070	542	4,130	5,320	4,790	45.83	21.41	24.42	NA	1.8
MW-2	12/08/1999	25,700	NA	1,670	2,110	977	6,600	6,190	5,970	45.83	21.89	23.94	NA	1.8
MW-2	03/14/2000	45,100	NA	2,070	4,710	1,920	12,800	16,700	18,300*	45.83	15.57	30.26	NA	2.0
MW-2	06/28/2000	52,100	NA	5,150	4,200	1,880	13,300	15,500	13,500*	45.83	17.79	28.04	NA	1.9
MW-2	09/06/2000	39,500	NA	4,490	3,290	2,100	14,000	18,500	9,060*	45.83	18.65	27.18	NA	3.5
MW-2	12/14/2000	209	NA	3.51	1.11	1.00	64.4	79.4	NA	45.83	19.00	26.83	NA	1.5
MW-2	03/05/2001	38,200	NA	2,010	927	1,250	8,300	13,100	15,400	45.83	16.66	29.17	NA	1.0
MW-2	06/11/2001	50,000	NA	4,400	2,200	1,800	11,000	NA	26,000	45.83	18.93	26.90	NA	1.7
MW-2	09/12/2001	59,000	NA	6,100	2,800	2,300	14,000	NA	21,000	45.83	19.85	25.98	NA	1.6
MW-3	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	51.97	27.97	24.00	NA	NA
MW-3	02/24/1992	4,500	1,300a	97	<5	78	18	NA	NA	51.97	25.60	26.37	NA	NA
MW-3	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	51.97	25.88	26.09	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA
Wic #204-6852-1404

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3	03/01/1992	2,200	440	69	<0.5	<0.5	<0.5	NA	NA	51.97	26.00	25.97	NA	NA
MW-3	06/03/1992	4,100	NA	13	72	44	65	NA	NA	51.97	27.70	24.27	NA	NA
MW-3	09/01/1992	1,900	NA	20	6.8	5.5	<5	NA	NA	51.97	29.46	22.51	NA	NA
MW-3 (D)	09/01/1992	1,900	NA	21	6.6	3.4	<5	NA	NA	51.97	29.46	22.51	NA	NA
MW-3	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	51.97	30.01	21.96	NA	NA
MW-3	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	51.97	30.26	21.71	NA	NA
MW-3	12/04/1992	2,400	NA	8.2	<5	<5	<5	NA	NA	51.97	29.93	22.04	NA	NA
MW-3 (D)	12/04/1992	2,100	NA	11	<0.5	5.7	<0.5	NA	NA	51.97	29.93	22.04	NA	NA
MW-3	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	51.97	22.76	29.21	NA	NA
MW-3	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.40	30.57	NA	NA
MW-3	03/03/1993	5,100	NA	63	61	75	150	NA	NA	51.97	23.08	28.89	NA	NA
MW-3	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	51.97	24.51	27.46	NA	NA
MW-3	06/17/1993	4,000	NA	94	140	82	150	NA	NA	51.97	25.21	26.76	NA	NA
MW-3	09/10/1993	3,200	NA	140	12.5	12.5	12.5	NA	NA	51.97	26.95	25.02	NA	NA
MW-3	12/13/1993	6,200	NA	<12.5	<12.5	<12.5	<12.5	NA	NA	51.97	26.52	25.45	NA	NA
MW-3	03/03/1994	4,500	NA	73	<5	<5	<5	NA	NA	51.97	24.50	27.47	NA	NA
MW-3	06/06/1994	3,200	NA	<0.5	<0.5	3.1	<0.5	NA	NA	51.97	26.33	25.64	NA	NA
MW-3	09/12/1994	3,900	NA	<0.5	<0.5	9.6	4.1	NA	NA	51.97	27.98	23.99	NA	NA
MW-3	12/19/1994	2,400	NA	21	22	4.2	2.6	NA	NA	51.97	25.63	26.34	NA	NA
MW-3	02/28/1995	4,000	NA	58	<0.5	7.1	3.5	NA	NA	51.97	23.45	28.52	NA	NA
MW-3	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.07	30.90	NA	NA
MW-3	06/26/1995	3,900	NA	8.1	<0.5	12	2.4	NA	NA	51.97	23.64	28.33	NA	NA
MW-3	09/13/1995	4,100	NA	58	5.5	5.5	<0.5	NA	NA	51.97	25.40	26.57	NA	NA
MW-3	12/19/1995	3,600	NA	<0.5	4.3	2.1	1.1	NA	NA	51.97	24.53	27.44	NA	NA
MW-3	03/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.59	30.41	0.04	NA
MW-3	06/28/1996	2,400	NA	55	<0.5	<0.5	11	120	NA	51.97	23.95	28.02	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA
Wic #204-6852-1404

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-3	09/26/1996	2,500	NA	<5.0	<5.0	<5.0	<5.0	160	NA	51.97	25.89	26.08	NA	NA
MW-3	12/10/1996	1,600	NA	28	4.2	<2.0	3.9	110	NA	51.97	24.22	27.75	NA	0.8
MW-3	03/10/1997	130	NA	<0.50	<0.50	<0.50	1.4	4.2	NA	51.97	23.05	28.92	NA	2.8
MW-3	06/30/1997	1,200	NA	21	2.3	<2.0	<2.0	69	NA	51.97	24.34	27.63	NA	2.3
MW-3	09/12/1997	440	NA	8.3	0.82	<0.50	1.9	3.4	NA	51.97	24.47	27.50	NA	1.9
MW-3 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	51.97	23.54	28.43	NA	0.8
MW-3	02/02/1998	400	NA	9.3	0.68	<0.50	<0.50	9	NA	51.97	21.92	30.05	NA	1.5
MW-3	06/24/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	51.97	22.35	29.62	NA	1.9
MW-3	08/26/1998	140	NA	7.4	<0.50	<0.50	2.5	13	NA	51.97	23.45	28.52	NA	1.3
MW-3	12/23/1998	1,200	NA	50	<2.0	<2.0	<2.0	69	NA	51.97	24.01	27.96	NA	4.2
MW-3	03/01/1999	2,550	NA	<0.500	<0.500	<0.500	0.658	32.4	NA	51.97	22.08	29.89	NA	2.0
MW-3	06/14/1999	514	NA	18.1	0.728	<0.500	<0.500	15.9	NA	51.97	23.15	28.82	NA	1.7
MW-3	09/28/1999	1,180	NA	<1.00	<1.00	<1.00	<1.00	<10.0	NA	51.97	25.36	26.61	NA	1.2
MW-3	12/08/1999	1,740	NA	71.5	23.0	24.2	61.3	103	NA	51.97	25.75	26.22	NA	2.0
MW-3	03/14/2000	1,410	NA	5.63	35.6	<5.00	8.41	38.7	NA	51.97	21.64	30.33	NA	2.1
MW-3	06/28/2000	2,460	NA	<5.00	9.48	<5.00	28.4	64.0	NA	51.97	23.84	28.13	NA	2.87
MW-3	09/06/2000	887	NA	<1.00	<1.00	<1.00	<1.00	<10.0	NA	51.97	24.73	27.24	NA	2.0
MW-3	12/14/2000	955	NA	25.4	1.96	<0.500	1.13	10.2	NA	51.97	25.45	26.52	NA	2.1
MW-3	03/05/2001	2,100	NA	4.90	56.5	<2.00	3.62	261	NA	51.97	22.83	29.14	NA	0.8
MW-3	06/11/2001	2,000	NA	1.0	<0.50	<0.50	<0.50	NA	<0.50	51.97	25.20	26.77	NA	0.7
MW-3	09/12/2001	1,500	NA	0.50	0.54	<0.50	1.8	NA	<5.0	51.97	26.15	25.82	NA	1.5

MW-4	03/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	9.16	31.35	NA	NA
MW-4	06/26/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	12.06	28.45	NA	NA
MW-4	09/13/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	13.90	26.61	NA	NA
MW-4	12/19/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	12.90	27.61	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA
Wic #204-6852-1404

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
MW-4	03/06/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	9.63	30.88	NA	NA
MW-4	06/28/1996	40	NA	<0.5	0.59	0.97	3.8	26	NA	40.51	12.30	28.21	NA	NA
MW-4	09/26/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.51	14.12	26.39	NA	NA
MW-4	12/10/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.51	12.31	28.20	NA	1.2
MW-4	03/10/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	11.34	29.17	NA	NA
MW-4	06/30/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	13.80	26.71	NA	1.9
MW-4	09/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	13.99	26.52	NA	1.7
MW-4 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	40.51	12.02	28.49	NA	1.8
MW-4	02/02/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	11.23	29.28	NA	1
MW-4	06/24/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	10.58	29.93	NA	1.9
MW-4	08/26/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	11.75	28.76	NA	1.2
MW-4	12/23/1998	<50	NA	0.60	<0.50	<0.50	<0.50	<2.5	NA	40.51	12.41	28.10	NA	4.2
MW-4	03/01/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	40.51	10.38	30.13	NA	2.1
MW-4	06/14/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.51	11.91	28.60	NA	2.4
MW-4	09/28/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	40.51	10.19	30.32	NA	2.2
MW-4	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.51	10.67	29.84	NA	1.8
MW-4	03/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.51	9.95	30.56	NA	2.5
MW-4	06/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.51	12.22	28.29	NA	0.9
MW-4	09/06/2000	NA	NA	NA	NA	NA	NA	NA	NA	40.51	13.17	27.34	NA	3.0
MW-4	12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA	40.51	8.65	31.86	NA	NA
MW-4	03/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	40.51	11.07	29.44	NA	NA
MW-4	06/11/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	40.51	13.62	26.89	NA	1.3
MW-4	09/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	40.51	14.61	25.90	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1784 150th Avenue
San Leandro, CA
Wic #204-6852-1404

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 11, 2001, analyzed by EPA method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 11, 2001, analyzed by EPA method 8020.

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = parts per billion

ppm = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

a = Chromatogram pattern indicates an unidentified hydrocarbon.

b = Samples not analyzed due to laboratory oversight.

* = Sample analyzed out of EPA recommended hold time.



Report Number : 22293

Date : 9/21/01

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

Subject : 3 Water Samples
Project Name : 1784 150th Avenue, San Leandro
Project Number : 010912-N2
P.O. Number : 98996068

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



Report Number : 22293

Date : 9/21/01

Subject : 3 Water Samples
Project Name : 1784 150th Avenue, San Leandro
Project Number : 010912-N2
P.O. Number : 98996068

Case Narrative

The Method Reporting Limit for Methylene Chloride was raised due to the presence of an interfering compound for the following sample:

MW-2

The Method Reporting Limits for Trichloromethane and Bromodichloromethane were raised due to the presence of an interfering compound for the following sample:

MW-3

Approved By:  _____
Joel Kiff



Report Number : 22293

Date : 9/21/01

Sample : MW-1

Project Name : 1784 150th Avenue, San

Project Number : 010912-N2

Date Analyzed : 9/20/01

Lab Number : 22293-01

Matrix : Water

Sample Date :9/12/01

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
Benzene	7500	25	ug/L
Toluene	120	25	ug/L
Ethylbenzene	280	25	ug/L
Total Xylenes	910	25	ug/L
Methyl-t-butyl ether (MTBE)	320	25	ug/L
Diisopropyl ether (DIPE)	< 25	25	ug/L
Ethyl-t-butyl ether (ETBE)	< 25	25	ug/L
Tert-amyl methyl ether (TAME)	< 25	25	ug/L
Tert-Butanol	600	250	ug/L
Ethanol	< 500	500	ug/L
TPH as Gasoline	23000	5000	ug/L
Chloromethane	< 25	25	ug/L
Vinyl Chloride	< 25	25	ug/L
Bromomethane	< 25	25	ug/L
Chloroethane	< 25	25	ug/L
Trichlorofluoromethane	< 25	25	ug/L
1,1-Dichloroethene	< 25	25	ug/L
Methylene Chloride	< 250	250	ug/L
trans-1,2-Dichloroethene	< 25	25	ug/L
1,1-Dichloroethane	< 25	25	ug/L
cis-1,2-Dichloroethene	< 25	25	ug/L
Chloroform	< 25	25	ug/L
1,1,1-Trichloroethane	< 25	25	ug/L
1,2-Dichloroethane	< 25	25	ug/L
Carbon Tetrachloride	< 25	25	ug/L
Trichloroethene	< 25	25	ug/L
1,2-Dichloropropane	< 25	25	ug/L
Bromodichloromethane	< 25	25	ug/L
cis-1,3-Dichloropropene	< 25	25	ug/L
trans-1,3-Dichloropropene	< 25	25	ug/L
1,1,2-Trichloroethane	< 25	25	ug/L
Tetrachloroethene	< 25	25	ug/L
Dibromochloromethane	< 25	25	ug/L
Chlorobenzene	< 25	25	ug/L
Bromoform	< 25	25	ug/L
1,1,2,2-Tetrachloroethane	< 25	25	ug/L

Parameter	Measured Value	MRL ¹	Units
1,3-Dichlorobenzene	< 25	25	ug/L
1,4-Dichlorobenzene	< 25	25	ug/L
1,2-Dichlorobenzene	< 25	25	ug/L
1,2-Dibromoethane	< 25	25	ug/L
Toluene - d8 (Surr)	102		% Recovery
4-Bromofluorobenzene (Surr)	101		% Recovery
Dibromofluoromethane (Surr)	110		% Recovery
1,2-Dichloroethane-d4 (Surr)	101		% Recovery

1) MRL = Method reporting limit
tr = Trace detected below reporting limit

Approved By:  _____
Joel Kiff



Report Number : 22293

Date : 9/21/01

Sample : MW-2

Project Name : 1784 150th Avenue, San

Project Number : 010912-N2

Date Analyzed : 9/20/01

Lab Number : 22293-02

Matrix : Water

Sample Date :9/12/01

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL	Units
Benzene	6100	25	ug/L
Toluene	2800	25	ug/L
Ethylbenzene	2300	25	ug/L
Total Xylenes	14000	25	ug/L
Methyl-t-butyl ether (MTBE)	21000	200	ug/L
Diisopropyl ether (DIPE)	< 25	25	ug/L
Ethyl-t-butyl ether (ETBE)	< 25	25	ug/L
Tert-amyl methyl ether (TAME)	78	25	ug/L
Tert-Butanol	6600	250	ug/L
Ethanol	< 500	500	ug/L
TPH as Gasoline	59000	5000	ug/L
Chloromethane	< 25	25	ug/L
Vinyl Chloride	< 25	25	ug/L
Bromomethane	< 25	25	ug/L
Chloroethane	< 25	25	ug/L
Trichlorofluoromethane	< 25	25	ug/L
1,1-Dichloroethene	< 25	25	ug/L
Methylene Chloride	< 350	350	ug/L
trans-1,2-Dichloroethene	< 25	25	ug/L
1,1-Dichloroethane	< 25	25	ug/L
cis-1,2-Dichloroethene	< 25	25	ug/L
Chloroform	< 25	25	ug/L
1,1,1-Trichloroethane	< 25	25	ug/L
1,2-Dichloroethane	< 25	25	ug/L
Carbon Tetrachloride	< 25	25	ug/L
Trichloroethene	< 25	25	ug/L
1,2-Dichloropropane	< 25	25	ug/L
Bromodichloromethane	< 25	25	ug/L
cis-1,3-Dichloropropene	< 25	25	ug/L
trans-1,3-Dichloropropene	< 25	25	ug/L
1,1,2-Trichloroethane	< 25	25	ug/L
Tetrachloroethene	< 25	25	ug/L
Dibromochloromethane	< 25	25	ug/L
Chlorobenzene	< 25	25	ug/L
Bromoform	< 25	25	ug/L
1,1,2,2-Tetrachloroethane	< 25	25	ug/L

Parameter	Measured Value	MRL	Units
1,3-Dichlorobenzene	< 25	25	ug/L
1,4-Dichlorobenzene	< 25	25	ug/L
1,2-Dichlorobenzene	< 25	25	ug/L
1,2-Dibromoethane	< 25	25	ug/L
Toluene - d8 (Surr)	101		% Recovery
4-Bromofluorobenzene (Surr)	102		% Recovery
Dibromofluoromethane (Surr)	107		% Recovery
1,2-Dichloroethane-d4 (Surr)	102		% Recovery

1) MRL = Method reporting limit
tr = Trace detected below reporting limit

Approved By:  Joel Kiff



Report Number : 22293

Date : 9/21/01

Sample : MW-3

Project Name : 1784 150th Avenue, San

Project Number : 010912-N2

Date Analyzed : 9/21/01

Lab Number : 22293-03

Matrix : Water

Sample Date :9/12/01

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
Benzene	0.50	0.50	ug/L
Toluene	0.54	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
Total Xylenes	1.8	0.50	ug/L
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L
TPH as Gasoline	1500	50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 0.50	0.50	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,2-Dichloroethane	10	2.0	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Trichloroethene	< 1.0	1.0	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 1.0	1.0	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 2.0	2.0	ug/L

Parameter	Measured Value	MRL ¹	Units
Toluene - d8 (Surr)	97.3		% Recovery
4-Bromofluorobenzene (Surr)	99.8		% Recovery
Dibromofluoromethane (Surr)	98.0		% Recovery
1,2-Dichloroethane-d4 (Surr)	98.1		% Recovery

1) MRL = Method reporting limit
tr = Trace detected below reporting limit

Approved By:  Joel Kiff

Report Number : 22293

Date : 9/21/01

22293 Quality Control Data - Method Blank

Project Name : 1784 150th Avenue, San Leandro

Data File : S227242

Project Number : 010912-N2

Date Analyzed : 9/20/01

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
Benzene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
Total Xylenes	< 0.50	0.50	ug/L
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L
Tert-Butanol	< 50	50	ug/L
Ethanol	< 500	500	ug/L
TPH as Gasoline	< 50	50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 0.50	0.50	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 2.0	2.0	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Trichloroethene	< 0.50	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL ¹	Units
1,2-Dibromoethane	< 2.0	2.0	ug/L
Toluene - d8 (Surr)	102		% Recovery
4-Bromofluorobenzene (Surr)	108		% Recovery
Dibromofluoromethane (Surr)	0.00		% Recovery
1,2-Dichloroethane-d4 (Surr)	102		% Recovery

1) MRL = Method reporting limit
tr = Trace detected below reporting limit

Approved By:  Joel Kiff

Report Number : 22293

Date : 9/21/01

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 1784 150th Avenue, San

Project Number : 010912-N2

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	22224-04	<0.50	18.6	19.2	17.5	17.9	ug/L	EPA 8260B	9/20/01	94.2	93.5	0.773	70-130	25
Toluene	22224-04	<0.50	18.6	19.2	17.6	18.0	ug/L	EPA 8260B	9/20/01	94.7	94.2	0.609	70-130	25
Tert-Butanol	22224-04	<5.0	93.0	95.8	79.4	85.3	ug/L	EPA 8260B	9/20/01	85.3	89.0	4.28	70-130	25
Methyl-t-Butyl Ether	22224-04	<0.50	18.6	19.2	15.3	15.5	ug/L	EPA 8260B	9/20/01	82.0	80.8	1.50	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 22293

Date : 9/21/01

QC Report : Laboratory Control Sample (LCS)

Project Name : **1784 150th Avenue, San**

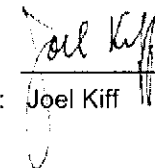
Project Number : **010912-N2**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	19.4	ug/L	EPA 8260B	9/20/01	94.2	70-130
Toluene	19.4	ug/L	EPA 8260B	9/20/01	95.2	70-130
Tert-Butanol	96.8	ug/L	EPA 8260B	9/20/01	90.0	70-130
Methyl-t-Butyl Ether	19.4	ug/L	EPA 8260B	9/20/01	80.6	70-130

KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



Report Number : 22293

Date : 9/21/01

22293 Quality Control Data - Method Blank

Data File : SK00839

Project Name : 1784 150th Avenue, San Leandro

Project Number : 010912-N2

Date Analyzed : 9/18/01

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
Benzene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
Total Xylenes	< 0.50	0.50	ug/L
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L
TPH as Gasoline	< 50	50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 0.50	0.50	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 2.0	2.0	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Trichloroethene	< 0.50	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 2.0	2.0	ug/L
Toluene - d8 (Surr)	105		% Recovery
4-Bromofluorobenzene (Surr)	97.9		% Recovery
Dibromofluoromethane (Surr)	88.9		% Recovery

Parameter	Measured Value	MRL ¹	Units
1,2-Dichloroethane-d4 (Surr)	95.5		% Recovery

1) MRL = Method reporting limit
tr = Trace detected below reporting limit

Approved By:  Joel Kiff

Report Number : 22293

Date : 9/21/01

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 1784 150th Avenue, San

Project Number : 010912-N2

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	22186-04	<0.50	40.0	40.0	43.1	43.2	ug/L	EPA 8260B	9/18/01	108	108	0.232	70-130	25
Toluene	22186-04	<0.50	40.0	40.0	48.4	48.3	ug/L	EPA 8260B	9/18/01	121	121	0.289	70-130	25
Tert-Butanol	22186-04	490	200	200	736	735	ug/L	EPA 8260B	9/18/01	122	121	0.115	70-130	25
Methyl-t-Butyl Ether	22186-04	4.2	40.0	40.0	46.8	46.7	ug/L	EPA 8260B	9/18/01	106	106	0.258	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 22293

Date : 9/21/01

QC Report : Laboratory Control Sample (LCS)

Project Name : **1784 150th Avenue, San**

Project Number : **010912-N2**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	9/18/01	96.3	70-130
Toluene	40.0	ug/L	EPA 8260B	9/18/01	108	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/18/01	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/18/01	82.1	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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

LAB: Kiff

EQUIVA Services LLC Chain Of Custody Record

22-293

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRM/ HOUSTON

Karen Petryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 6 0 6 8

SAP or CRM NUMBER (TS/CRM)

DATE: 9/12/01

PAGE: 1 of 1

CONSULTANT COMPANY:
Blaine Tech Services
 ADDRESS:
1680 Rogers Avenue
 CITY:
San Jose, CA 95112
 TELEPHONE: **408-573-0555** FAX: **408-573-7771** E-MAIL: **nsudano@blainetech.com**

SITE ADDRESS (Street and City):
1784 150th Avenue, San Leandro
 PROJECT CONTACT (Report to):
Nick Sudano
 CONSULTANT PROJECT NO.:
BTS# 010912-N2
 SAMPLER NAME(S) (Print):
Michael Niuskata
 LAB USE ONLY

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

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT UST AGENCY:
 GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____
 SPECIAL INSTRUCTIONS OR NOTES: _____ TEMPERATURE ON RECEIPT C° _____

TPH-Gas, Purgeable	BTEX	MTBE (8021B - Spab RL)	MTBE (8260B - 0.5 ppbRL)	Oxygenates (5) by (8260)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH-Diesel, Extractable (8015m)	VOCs by 8010B	MTBE (8260B) Confirmation, See note
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FIELD NOTES:
 Container/Preservative
 or PID Readings
 or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH-Gas, Purgeable	BTEX	MTBE (8021B - Spab RL)	MTBE (8260B - 0.5 ppbRL)	Oxygenates (5) by (8260)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH-Diesel, Extractable (8015m)	VOCs by 8010B	MTBE (8260B) Confirmation, See note
		DATE	TIME														
	MW-1	9/12/01	1300	GW	6	X	X	X	X	X						X	
	MW-2		1326		6	X	X	X	X	X						X	
	MW-3		1213		6	X	X	X								X	

Reinquished by: (Signature) [Signature]
 Received by: (Signature) _____
 Reinquished by: (Signature) _____
 Received by: (Signature) _____
 Reinquished by: (Signature) _____
 Received by: (Signature) John Cutler Kiff Analytical

Date: _____ Time: _____
 Date: _____ Time: _____
 Date: 09/13/01 Time: 1415

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

10/18/00 Revision

C&G Graphic (714) 898-9702

WELL MONITORING DATA SHEET

Project #: <u>010912-N2</u>	Client: <u>Equiva</u>
Sampler: <u>Mibe N1</u>	Start Date: <u>9/12/01</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>44.40</u>	Depth to Water: <u>23.37</u>
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

<u>13.5</u> (Gals.) X	<u>3</u>	<u>= 40.5</u> Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1252</u>	<u>66.9</u>	<u>6.8</u>	<u>1708</u>	<u>20</u>	<u>13.5</u>	<u>clear tint odor</u>
<u>1253</u>	<u>66.7</u>	<u>6.8</u>	<u>1736</u>	<u>19</u>	<u>27.0</u>	<u>light sheen</u>
<u>1255</u>	<u>66.8</u>	<u>6.8</u>	<u>1734</u>	<u>19</u>	<u>40.5</u>	<u>light sheen</u>

Did well dewater? Yes No Gallons actually evacuated: 40.5

Sampling Time: 13:00 Sampling Date: 9/12/01

Sample I.D.: MW-1 Laboratory: KIFF

Analyzed for: TPH-G BTEX MTBE TPH-D Other: VOC's by 8010, oxygenates, Ethanol by 8260

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

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

D.O. (if req'd):	Pre-purge:	mg/L	<u>Post-purge:</u>	<u>2.2</u>	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL MONITORING DATA SHEET

Project #: <u>010912-N2</u>	Client: <u>Equiva</u>
Sampler: <u>Mibe N1</u>	Start Date: <u>9/12/01</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>44.68</u>	Depth to Water: <u>19.85</u>
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

$$\frac{16.25 \text{ (Gals.)} \times 3}{1 \text{ Case Volume}} = \frac{48.75 \text{ Gals.}}{\text{Specified Volumes}} = \text{Calculated Volume}$$

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1316	67.5	6.9	1272	22	16.25	Clear tint odor
1317	67.7	6.9	1252	27	32.50	" "
1319	67.9	7.0	1299	45	48.75	Light sheen odor
1320	68.0	7.0	1421	41	65.0	sheen, odor
1321	68.1	7.0	1502	36	81.25	sheen, odor

Did well dewater? Yes No Gallons actually evacuated: 81.25

Sampling Time: 1326 Sampling Date: 9/12/01

Sample I.D.: MW-2 Laboratory: KIFF

Analyzed for: TPH-G BTEX MTBE TPH-D Other: VOC's by 8010 oxygenates, Ethanol by 8260

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

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

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: 1.6 mg/L

ORP (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

WELL MONITORING DATA SHEET

NOV 19 2001

Project #: 010912-N2	Client: Equiva
Sampler: Mibe N-	Start Date: 9/12/01
Well I.D.: MW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 41.30	Depth to Water: 26.15
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

10.0 (Gals.) X 3 = 30.0 Gals.
 Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1226	68.1	6.4	1114	28	10.0	Clear Turb
1227	67.4	6.5	1347	31	20.0	odor
1228	67.2	6.6	1357	20	30.0	

Did well dewater? Yes No Gallons actually evacuated: 30.0

Sampling Time: 1233 Sampling Date: 9/12/01

Sample I.D.: MW-3 Laboratory: KIFF

Analyzed for: TPH-G BTEX MTBE TPH-D Other: VOC's by 8010

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: <u>1.5</u>	mg/L
	ORP (if req'd):	Pre-purge:	mV	Post-purge: