TOXICHEM
Management
Systems, Inc.
Environmental & Occupational Health Services
1562 44th Avenue
San Francisco, California 94122
(415) 681-8816 / Fax (415) 681-8132

435

September 21, 2000
Project EQ-02.1A

REPORTS

Mr. Barney M. Chan
Alameda County Health Care Services Agency
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Quarterly Monitoring Report - Second Quarter 2000**
Former Texaco Service Station
3810 Broadway, Oakland, California
Equiva Incident No. 93995026, SAP No. 128141

Dear Mr. Chan:

On behalf of Equiva Services LLC, this letter transmits the results of second quarter 2000 groundwater monitoring and sampling conducted at the site referenced above. This report presents and interpretation of results and recommendations and schedule for future actions.

INTERPRETATION OF RESULTS

Groundwater Elevation

Groundwater monitoring and sampling data for the second quarter 2000 was collected by Blaine Tech Services, Inc. on July 26, 2000. Data collection was delayed approximately 1-month due to conflict with the property owner's recent station renovation activities.

The average groundwater elevation at the site decreased approximately 2.5 feet between the first and second quarter 2000, and it remains within the historical range of groundwater elevation.

Approximately 2 weeks prior to the second quarter 2000 event, several well deficiencies were discovered by TOXICHEM. These well deficiencies resulted from the negligence of the property owner's contractor during the recent station renovation activities. As a result of the following well deficiencies, groundwater monitoring and sampling data was not collected from Wells MW-4, MW-5, and MW-6, and from the PVC piping riser during the second quarter 2000 event.

- Well MW-4: Gravel/stone obstructions, from station renovation activities, are present in the well casing preventing sampling access.
- Well MW-5: Gravel/stone obstructions, from station renovation activities, are present in the well casing preventing sampling access.

- Well MW-6: The well casing and vault are covered by new asphalt poured during station renovation activities for the driveway.
- PVC Piping Riser: The casing and vault are covered by new concrete poured during station renovation activities for the new dispenser island.

Equiva is in the process of identifying the appropriate measures to correct these deficiencies.

Groundwater Flow Direction and Gradient

During the second quarter 2000, the direction of groundwater flow and the groundwater gradient were not determined due to a flat gradient.

Analytical Results

During the second quarter 2000, separate phase hydrocarbons (SPH) were not measured in any well. Overall, the dissolved groundwater concentrations appear stable with no apparent fluctuations outside historical ranges.

RECOMMENDATIONS AND SCHEDULE FOR FUTURE ACTIONS

1. Restore Wells MW-4, MW-5, MW-6, and the PVC piping riser to service. Blaine unsuccessfully attempted to remove the gravel/stone obstructions from Wells MW-4 and MW-5 on August 2, 2000, and Equiva is reviewing available options to restore these wells to service. Well MW-6 and the PVC piping riser will need to be excavated in order to restore to service. Yes
   + consider using PVC piping array installed previously as stated in 9/11/00 Report.
2. Install off-site groundwater monitoring Well MW-11 to further define the extent of petroleum hydrocarbon-impacted groundwater. done on August 4, 00
3. Continue measuring natural biodegradation parameters, including dissolved oxygen, oxidation-reduction potential, nitrates, sulfates, and ferrous iron.
4. Continue the quarterly groundwater monitoring and sampling program.

If you have any questions regarding this site, please contact me at your convenience at (415) 681-8816.

Sincerely,

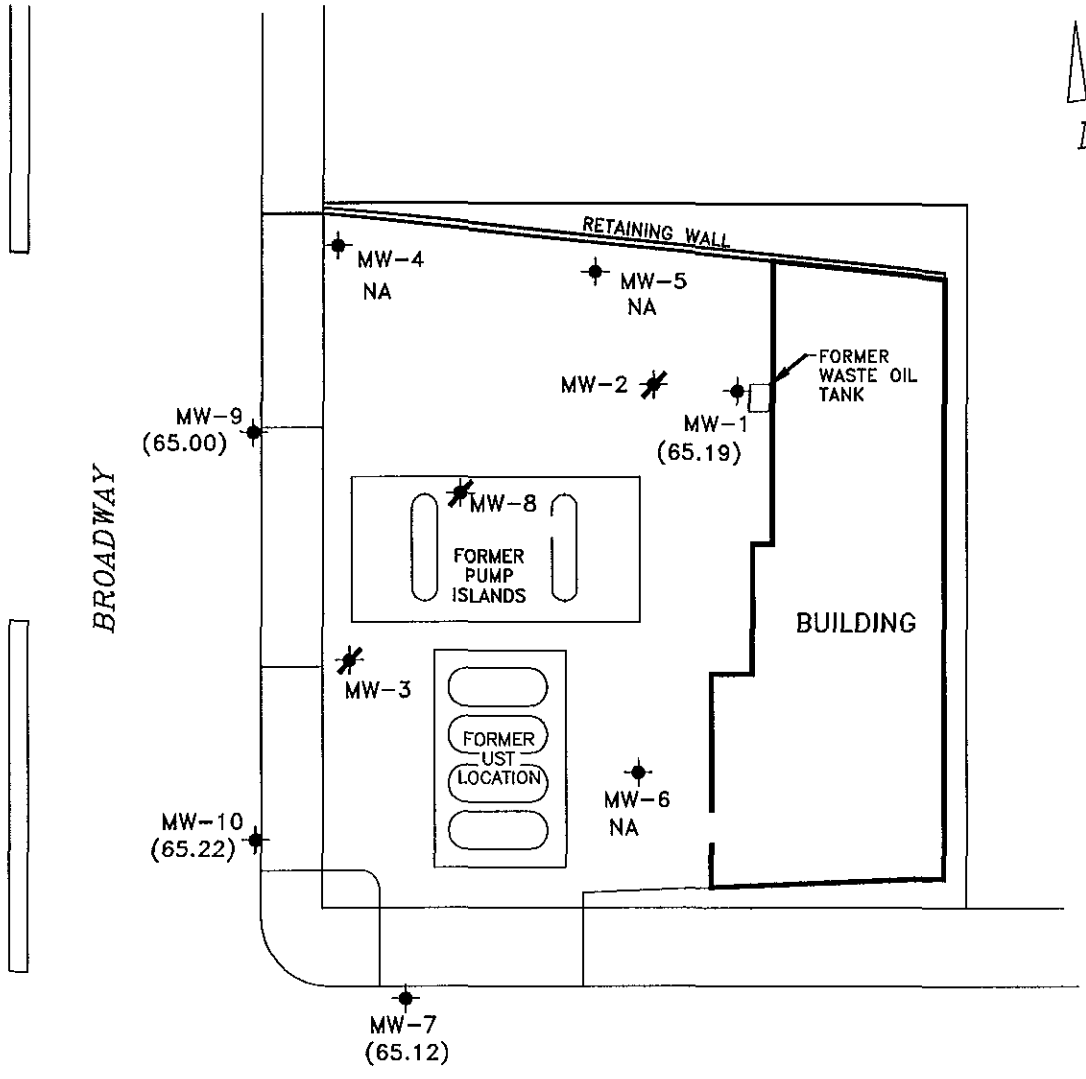
Toxichem Management Systems, Inc.

Keith Winemiller, P.E.
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
KEITH WINEMILLER
C 57744
Exp. 12/31/01
CIVIL
STATE OF CALIFORNIA

Enclosure

cc: Ms. Karen Petryna, P.E., Equiva Services LLC, P. O. Box 7869, Burbank, CA 91510-7869
Mr. Joe Zadik, 8255 San Leandro Street, Oakland, CA 94621



EXPLANATION

- MONITORING WELL
- DESTROYED WELL
- (65.19) GROUNDWATER ELEVATION (FT, MSL), 7-26-00
- NA NOT AVAILABLE

NOTE: GROUNDWATER FLOW DIRECTION AND GRADIENT NOT DETERMINED DUE TO FLAT GRADIENT

SCALE (ft)

0 30

Reference: EQ-02.1A/BR-0A.DWG
Basemap from Remediation Risk Management, Inc.

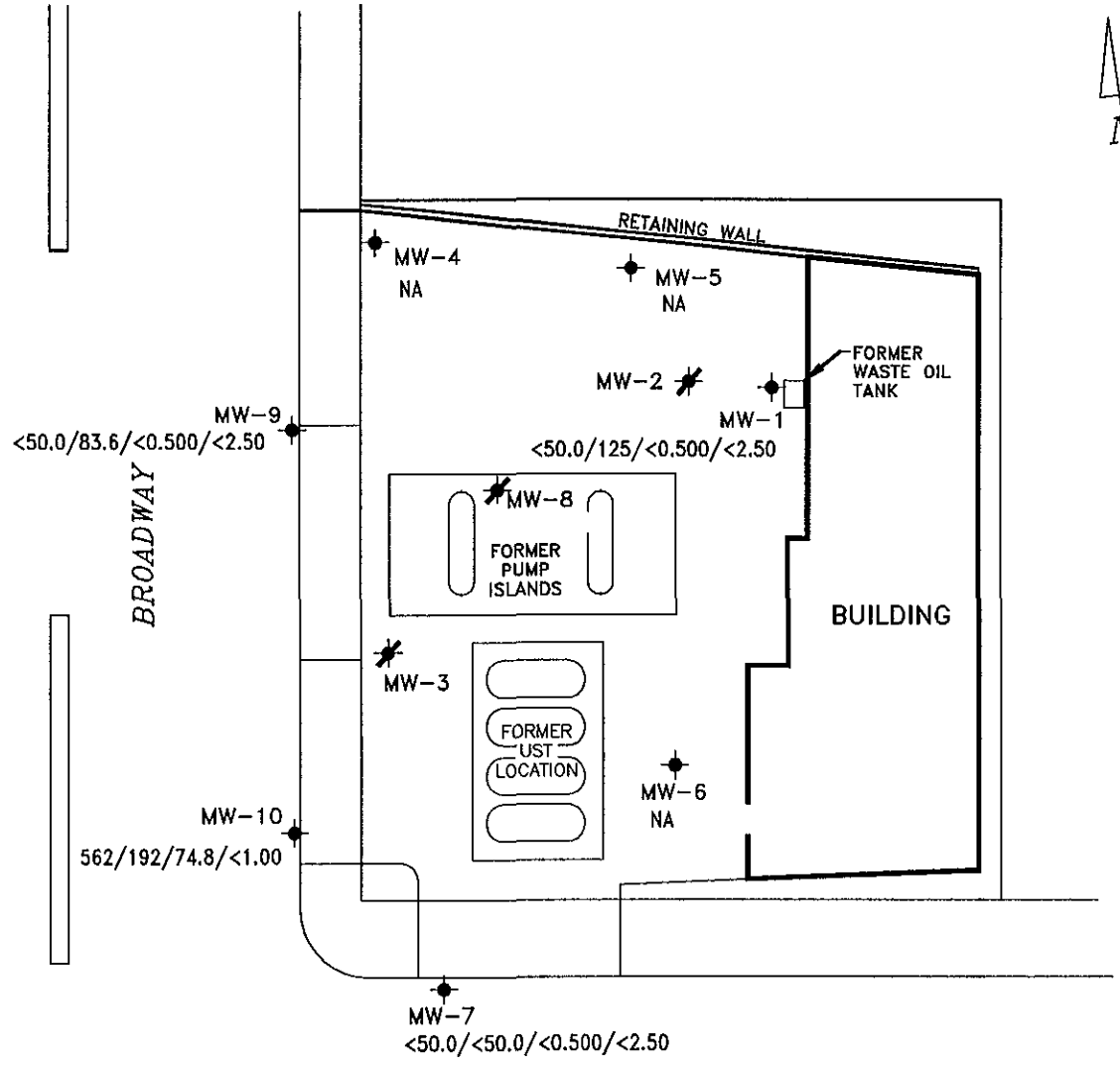
TOXICHEM Management Systems, Inc.
Environmental & Occupational Health Services

GROUNDWATER ELEVATION CONTOUR MAP, JULY 26, 2000

Former Texaco Service Station
3810 Broadway
Oakland, California

FIGURE: 1

PROJECT: EQ-02



EXPLANATION

MONITORING WELL

DESTROYED WELL

<50.0/<50.0/<0.500/<2.50 TPPH/TEPH/BENZENE/MtBE CONCENTRATION IN GROUNDWATER, IN MICROGRAMS PER LITER, 7-26-00
MtBE BY EPA METHOD 8260, IF AVAILABLE

NA DATA NOT AVAILABLE

SCALE (ft)

0 30

Reference: EQ-02.1A/BR-0A.DWG
Basemap from Remediation Risk Management, Inc.

TOXICHEM Management Systems, Inc.
Environmental & Occupational Health Services

TPPH/TEPH/BENZENE/MtBE CONCENTRATION MAP, JULY 26, 2000

Former Texaco Service Station
3810 Broadway
Oakland, California

FIGURE: 2

PROJECT: EQ-02

BLAINE
TECH SERVICES, Inc.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
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August 31, 2000

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

Second Quarter 2000 Groundwater Monitoring at
Former Texaco Service Station
3800 Broadway
Oakland, CA

Monitoring performed on July 26, 2000

Groundwater Monitoring Report **000726-I-2**

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

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

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

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

Please call if you have any questions.

Yours truly,

Deidre Kerwin
Operations Manager

DK/jt

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

cc: Keith Winemiller
Toxichem Management Systems, Inc.
1562 44th Avenue
San Francisco, CA 94122

WELL CONCENTRATIONS
Former Texaco Service Station
3800 Broadway
Oakland, CA

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.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. Readings (ppm)
MW-1	06/28/1996	<100	<50	<0.5	<1.0	<1.0	<2.0	NA	NA	86.69	21.77	NA	64.92	NA	NA
MW-1	10/10/1996	520	<400	9.2	53	17	70	22	16**	86.69	23.26	NA	63.43	NA	NA
MW-1	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	86.69	23.27	NA	63.42	NA	NA
MW-1	12/18/1997	2,200	<50	<3.0	<3.0	<3.0	<3.0	<200	NA	86.69	19.70	NA	66.99	NA	NA
MW-1	04/06/1998	1,600	<50	16.4	0.8	<0.5	<0.5	38.3	NA	86.69	16.88	NA	69.81	NA	NA
MW-1	06/18/1998	330	280	7.8	<0.5	<0.5	<0.5	<0.5	NA	86.69	19.78	NA	66.91	NA	NA
MW-1	08/31/1998	<50	150	1.5	<0.5	<0.5	<0.5	<2.5	NA	86.69	21.71	NA	64.98	NA	NA
MW-1	12/21/1998	130	130	2.3	0.90	<0.5	<0.5	110	13	86.69	22.15	NA	64.54	NA	NA
MW-1	03/24/1999	1,520	305	11.7	<2.50	<2.50	<2.50	21.6	<25.0	86.69	19.55	NA	67.14	NA	NA
MW-1	06/25/1999	231	207	5.29	<0.500	<0.500	<0.500	3.94	1.01	86.69	21.60	NA	65.09	NA	NA
MW-1	09/24/1999	58.6	71.7	6.03	<0.500	<0.500	<0.500	3.70	NA	86.69	22.58	NA	64.11	NA	NA
MW-1	12/29/1999	117	345	4.26	<0.500	<0.500	1.97	26.2	<0.500	86.69	22.81	NA	63.88	NA	NA
MW-1	03/21/2000	834	319	<0.500	<0.500	<0.500	<0.500	21.5	NA	86.69	19.00	NA	67.69	NA	NA
MW-1	**07/26/2000**	**<50.0**	**125**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**86.69**	**21.50**	**NA**	**65.19**	**NA**	**NA**
MW-2	06/28/1996	NA	NA	NA	NA	NA	NA	NA	NA	85.83	22.10	NA	63.73	1.35	NA
MW-2	10/10/1996	99,000	1,800	4,100	9,400	2,300	9,900	390	<25**	85.83	22.36	NA	63.47	NA	NA
MW-2	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	85.83	22.39	NA	63.45	0.01	NA
MW-2	12/18/1997	24,000	4,700	600	1,800	750	2,400	<2,000	NA	85.83	20.19	NA	65.64	NA	NA
MW-2	04/06/1998	20,100	9.5	252	448	430	1,410	<200	NA	85.83	18.00	NA	67.83	NA	NA
MW-2	06/18/1998	20,000	5,200	240	370	270	790	<50	NA	85.83	19.63	NA	66.20	NA	NA
MW-2	08/31/1998	72,000	19,000	270	990	630	1,700	<125	NA	85.83	21.01	NA	64.82	NA	NA
MW-2	12/21/1998	290	13,000	8.7	18	9.7	38	10	29	85.83	21.31	NA	64.52	NA	NA
MW-2	03/24/1999	80,400	5,590	651	1,860	1,120	3,730	<40.0	<100	85.83	19.18	NA	66.65	NA	NA
MW-2	06/25/1999	34,700	12,100	504	1,300	716	2,160	<40.0	NA	85.83	20.78	NA	65.05	NA	NA
MW-2	09/24/1999	6,510	108	1,030	350	183	680	<50.0	NA	85.83	21.82	NA	64.01	NA	1.0/.80
MW-2	12/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	85.83	22.17	21.87	63.90	0.30	2.6

WELL CONCENTRATIONS
Former Texaco Service Station
3800 Broadway
Oakland, CA

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.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. Readings (ppm)
MW-2	01/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	85.83	22.84	22.45	63.30	0.39	NA
MW-2	03/21/2000	54,100	41,100	1,260	3,320	2,180	8,200	<1,250	NA	a	18.19	NA	NA	NA	3.3/3.6
MW-2	**NA**	**Well destroyed**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
MW-3	06/28/1996	NA	NA	NA	NA	NA	NA	NA	NA	83.18	19.04	NA	64.14	NA	NA
MW-3	10/10/1996	110,000	1,200	6,600	16,000	2,200	12,000	<250	NA	83.18	19.51	NA	63.67	NA	NA
MW-3	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.40	NA	19.84	NA	NA
MW-3	12/18/1997	180,000	6,100,000	1,500	16,000	4,600	23,000	<3,000	NA	83.18	18.79	NA	64.39	NA	NA
MW-3	04/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	83.18	16.58	NA	66.64	0.05	NA
MW-3	06/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	83.18	NA*	NA	NA	>2.0	NA
MW-3	08/31/1998	NA	NA	NA	NA	NA	NA	NA	NA	83.18	19.56	NA	63.68	0.07	NA
MW-3	12/21/1998	NA	NA	NA	NA	NA	NA	NA	NA	83.18	20.23	NA	65.13	2.73	NA
MW-3	03/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	83.18	16.76	15.90	67.11	0.86	NA
MW-3	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	83.18	18.47	18.17	64.95	0.30	NA
MW-3	09/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	83.18	19.43	19.35	63.81	0.08	NA
MW-3	12/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	83.18	19.25	19.21	63.96	0.04	NA
MW-3	01/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	83.18	19.87	19.80	63.37	0.07	NA
MW-3	NA	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	06/28/1996	<100	<50	<0.5	<1.0	<1.0	<2.0	NA	NA	83.31	18.83	NA	64.48	NA	NA
MW-4	10/10/1996	650	<50	3.9	65	22	120	<5.0	NA	83.31	19.84	NA	63.47	NA	NA
MW-4	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	83.31	19.84	NA	63.47	NA	NA
MW-4	12/18/1997	<50	2,000	<0.5	<0.5	<0.5	<0.5	<30	NA	83.31	17.77	NA	65.54	NA	NA
MW-4	04/06/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	83.31	15.45	NA	67.86	NA	NA
MW-4	06/18/1998	<50	53	<0.5	<0.5	<0.5	<0.5	<0.5	NA	83.31	16.89	NA	66.42	NA	NA
MW-4	08/31/1998	<50	60	<0.5	<0.5	<0.5	<0.5	<2.5	NA	83.31	18.48	NA	64.83	NA	NA
MW-4	12/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	83.31	18.80	NA	64.51	NA	NA
MW-4	03/24/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	83.31	16.70	NA	66.61	NA	NA

WELL CONCENTRATIONS
Former Texaco Service Station
3800 Broadway
Oakland, CA

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.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. Readings (ppm)
MW-4	06/25/1999	<50.0	128	<0.500	<0.500	<0.500	<0.500	<2.00	NA	83.31	18.16	NA	65.15	NA	NA
MW-4	09/24/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	83.31	19.12	NA	64.19	NA	NA
MW-4	12/29/1999	<50.0	169	<0.500	<0.500	<0.500	<0.500	<5.00	NA	83.31	19.08	NA	64.23	NA	NA
MW-4	03/21/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	83.31	16.10	NA	67.21	NA	NA
MW-4	**07/26/2000**	**Obstruction in well**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**83.31**	**NA**	**NA**	**NA**	**NA**	**NA**
MW-5	10/10/1996	1,800	<50	34	4.7	11	44	21	5.0**	85.41	21.93	NA	63.48	NA	NA
MW-5	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	85.41	21.96	NA	63.45	NA	NA
MW-5	12/18/1997	1,200	<50	15	<1.0	15	<1.0	72	NA	85.41	19.81	NA	65.60	NA	NA
MW-5	04/06/1998	1,000	<50	126	0.5	0.8	1.5	<30	NA	85.41	17.43	NA	67.98	NA	NA
MW-5	06/18/1998	110	100	6.9	<0.5	<0.5	<0.5	<0.5	NA	85.41	19.15	NA	66.26	NA	NA
MW-5	08/31/1998	480	120	5.3	<2.5	<2.5	<2.5	<12	NA	85.41	20.46	NA	64.95	NA	NA
MW-5	12/21/1998	270	100	16	2.9	1.3	<1.0	34	<2.0	85.41	20.91	NA	64.50	NA	NA
MW-5	03/24/1999	143	93.3	2.80	<0.500	0.749	<0.500	<2.00	<5.00	85.41	18.74	NA	66.67	NA	NA
MW-5	06/25/1999	847	125	6.61	<0.500	0.611	<0.500	2.69	<2.00	85.41	20.31	NA	65.10	NA	NA
MW-5	09/24/1999	563	94.0	6.00	<2.50	<2.50	<2.50	25.1	NA	85.41	21.36	NA	64.05	NA	NA
MW-5	12/29/1999	896	173	16.6	1.48	8.92	2.67	61.1	<0.500	85.41	21.41	NA	64.00	NA	NA
MW-5	03/21/2000	858	158	53.7	<1.00	21.4	8.00	11.6	NA	85.41	18.13	NA	67.28	NA	NA
MW-5	**07/26/2000**	**Obstruction in well**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**85.41**	**NA**	**NA**	**NA**	**NA**	**NA**
MW-6	10/10/1996	45,000	500	8,300	2,900	810	3,100	190	40**	86.09	22.44	NA	63.65	NA	NA
MW-6	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	86.09	22.60	NA	63.49	NA	NA
MW-6	12/18/1997	60,000	1,900	12,000	9,800	1,800	8,600	<2,000	NA	86.09	22.28	NA	63.81	NA	NA
MW-6	04/06/1998	30,500	<50	5,950	3,720	952	3,750	<1,000	NA	86.09	19.90	NA	66.19	NA	NA
MW-6	06/18/1998	23,000	1,100	2,600	540	410	1,300	<250	NA	86.09	20.49	NA	65.60	NA	NA
MW-6	08/31/1998	17,000	1,800	3,400	460	530	1,800	<250	NA	86.09	21.05	NA	65.04	NA	NA
MW-6	12/21/1998	7,900	930	1,900	510	280	730	150	2.6	86.09	21.74	NA	64.35	NA	NA
MW-6	03/24/1999	12,200	763	1,970	327	338	794	<40.0	<50.0	86.09	21.18	NA	64.91	NA	NA
MW-6	06/25/1999	14,800	1,050	2,040	1,080	406	1,430	<40.0	NA	86.09	21.34	NA	64.75	NA	NA

WELL CONCENTRATIONS
Former Texaco Service Station
3800 Broadway
Oakland, CA

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.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. Readings (ppm)
MW-6	09/24/1999	17,200	1,720	2,810	1,330	489	2,340	<50.0	NA	86.09	22.28	NA	63.81	NA	1.0/1.2
MW-6	12/29/1999	14,700	1,480	2,790	974	469	1,720	<500	NA	86.09	24.96	NA	61.13	NA	1.3/1.5
MW-6	03/21/2000	20,000	1,120	4,160	962	719	2,330	<250	NA	86.09	18.70	NA	67.39	NA	3.0/4.3
MW-6	**07/26/2000**	**Well inaccessible**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**86.09**	**NA**	**NA**	**NA**	**NA**	**NA**
MW-7	10/10/1996	<50	<50	0.6	<0.5	<0.5	<0.5	<5.0	NA	84.11	20.78	NA	63.33	NA	NA
MW-7	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	84.11	20.80	NA	63.31	NA	NA
MW-7	12/18/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	84.11	17.27	NA	66.84	NA	NA
MW-7	04/06/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	84.11	15.91	NA	68.20	NA	NA
MW-7	06/18/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	84.11	17.95	NA	66.16	NA	NA
MW-7	08/31/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	84.11	19.40	NA	64.71	NA	NA
MW-7	12/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	84.11	19.75	NA	64.36	NA	NA
MW-7	03/24/1999	<50.0	51.3	<0.500	<0.500	<0.500	<0.500	<2.00	NA	84.11	17.54	NA	66.57	NA	NA
MW-7	06/25/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	84.11	19.22	NA	64.89	NA	NA
MW-7	09/24/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	84.11	20.18	NA	63.93	NA	1.4/1.6
MW-7	12/29/1999	<50.0	99.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	84.11	20.15	NA	63.96	NA	2.3/1.8
MW-7	03/21/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	84.11	16.35	NA	67.76	NA	5.8/9.0
MW-7	**07/26/2000**	**<50.0**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**84.11**	**18.99**	**NA**	**65.12**	**NA**	**6.0/6.6**
MW-8	10/10/1996	17,000	110	1,300	1,200	64	1,300	110	<5.0**	84.01	20.82	NA	63.19	NA	NA
MW-8	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	84.01	20.44	NA	63.57	NA	NA
MW-8	12/18/1997	15,000	630	3,600	1,800	410	930	<600	NA	84.01	19.36	NA	64.65	NA	NA
MW-8	04/06/1998	32,300	<50	8,230	5,900	718	2,120	<1,000	NA	84.01	16.19	NA	67.82	NA	NA
MW-8	06/18/1998	74,000	<50	5,400	4,500	700	2,200	2,400	NA	84.01	17.75	NA	66.26	NA	NA
MW-8	08/31/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	12/21/1998	9,600	1,200	2,600	410	220	300	700	<2.0	84.01	19.48	NA	64.53	NA	NA
MW-8	03/24/1999	86,100	2,890	9,890	11,700	1,650	7,130	<200	<250	84.01	17.44	NA	66.57	NA	NA
MW-8	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	84.01	20.69	20.59	63.40	0.10	NA

WELL CONCENTRATIONS
Former Texaco Service Station
3800 Broadway
Oakland, CA

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.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. Readings (ppm)
MW-8	07/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	84.01	20.45	18.56	65.07	1.89	NA
MW-8	09/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	84.01	20.98	19.45	64.25	1.53	NA
MW-8	12/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	84.01	20.25	19.99	63.97	0.26	NA
MW-8	01/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	84.01	21.00	20.60	63.33	0.40	NA
MW-8	NA	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	10/10/1996	80	520	2.5	13	2.2	13	<5.0	NA	82.17	18.62	NA	63.55	NA	NA
MW-9	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	63.53	NA	63.53	NA	NA
MW-9	12/18/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	82.17	16.42	NA	65.75	NA	NA
MW-9	04/06/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	82.17	14.00	NA	68.17	NA	NA
MW-9	06/18/1998	<50	100	<0.5	<0.5	<0.5	<0.5	<0.5	NA	82.17	15.33	NA	66.84	NA	NA
MW-9	08/31/1998	<50	57	<0.5	<0.5	<0.5	<0.5	<2.5	NA	82.17	17.14	NA	65.03	NA	NA
MW-9	12/21/1998	<50	71	<0.5	<0.5	<0.5	<0.5	<2.5	NA	82.17	17.40	NA	64.77	NA	NA
MW-9	03/24/1999	<50.0	84.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	82.17	16.22	NA	65.95	NA	NA
MW-9	06/25/1999	<50.0	92.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	82.17	16.90	NA	65.27	NA	NA
MW-9	09/24/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	82.17	17.89	NA	64.28	NA	1.0/1.2
MW-9	12/29/1999	<50.0	52.8	<0.500	<0.500	<0.500	<0.500	<5.00	NA	82.17	18.01	NA	64.16	NA	3.3/2.7
MW-9	03/21/2000	<50.0	72.4	<0.500	<0.500	<0.500	<0.500	<2.50	NA	82.17	14.80	NA	67.37	NA	3.2/7.3
MW-9	**07/26/2000**	**<50.0**	**83.6**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**82.17**	**17.17**	**NA**	**65.00**	**NA**	**3.6/1.8**
MW-10	10/10/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	81.83	18.40	NA	63.43	NA	NA
MW-10	11/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	81.83	18.43	NA	63.40	NA	NA
MW-10	12/18/1997	350	<50	6.9	0.87	0.88	0.77	<30	NA	81.83	16.18	NA	65.65	NA	NA
MW-10	04/06/1998	2,300	<50	224	168	81.4	253	<30	NA	81.83	14.39	NA	67.44	NA	NA
MW-10	06/18/1998	7,200	320	310	210	83	280	<0.5	NA	81.83	15.11	NA	66.72	NA	NA
MW-10	08/31/1998	460	120	51	8.2	5.1	10	<5.0	NA	81.83	17.03	NA	64.80	NA	NA
MW-10	12/21/1998	120	79	5.5	<1.0	<1.0	<1.0	8.7	<2.0	81.83	17.32	NA	64.51	NA	NA
MW-10	03/24/1999	1,330	923	85.9	42.9	29.7	95.2	20.4	<25.0	81.83	15.25	NA	66.58	NA	NA

WELL CONCENTRATIONS
Former Texaco Service Station
3800 Broadway
Oakland, CA

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.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. Readings (ppm)
MW-10	06/25/1999	1,130	167	115	32.6	17.2	36.3	<4.00	NA	81.83	16.82	NA	65.01	NA	NA
MW-10	09/24/1999	382	76.7	20.0	<1.00	2.21	1.37	8.83	NA	81.83	17.75	NA	64.08	NA	NA
MW-10	12/29/1999	114	107	9.03	<0.500	0.531	<0.500	<5.00	NA	81.83	18.13	NA	63.70	NA	NA
MW-10	03/21/2000	1,270	194	86.3	52.3	38.1	102	19.5	NA	81.83	14.22	NA	67.61	NA	NA
MW-10	**07/26/2000**	**562**	**192**	**74.8**	**7.51**	**24.3**	**14.8**	**13.3**	**<1.00b**	**81.83**	**16.61**	**NA**	**65.22**	**NA**	**NA**

Abbreviations:
TPPH= Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020
MTBE = methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
D.O. = 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
n/n = Pre-purge/Post-purge D.O. reading.

WELL CONCENTRATIONS
Former Texaco Service Station
3800 Broadway
Oakland, CA

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.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. Readings (ppm)

Notes:

* Free product could not be accurately measured (>2.0 feet of product in well).

** MTBE confirmation by 8240.

a = TOC for MW-2 has changed.

b = This sample analyzed outside of EPA recommended hold time.

Sequoia
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15 August, 2000

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 3800 Broadway
Sequoia Report: MJG0783

Enclosed are the results of analyses for samples received by the laboratory on 07/27/00 12:19. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ted Terrasas
Project Manager

CA ELAP Certificate #1210

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager. Nick Sudano	08/15/00 14:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MJG0783-01	Water	07/26/00 13:20	07/27/00 12:19
MW-7	MJG0783-02	Water	07/26/00 11:00	07/27/00 12:19
MW-9	MJG0783-03	Water	07/26/00 11:55	07/27/00 12.19
MW-10	MJG0783-04	Water	07/26/00 14:15	07/27/00 12:19

Ted Terrasas, Project Manager

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MJG0783-01) Water Sampled: 07/26/00 13:20 Received: 07/27/00 12:19									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H04003	08/04/00	08/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.3 %*	*70-130*		"	"	"	"	
MW-7 (MJG0783-02) Water Sampled: 07/26/00 11:00 Received: 07/27/00 12:19									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H04003	08/04/00	08/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.1 %*	*70-130*		"	"	"	"	
MW-9 (MJG0783-03) Water Sampled: 07/26/00 11:55 Received: 07/27/00 12:19									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H04003	08/04/00	08/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*73 9 %*	*70-130*		"	"	"	"	

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MJG0783-04) Water Sampled: 07/26/00 14:15 Received: 07/27/00 12:19									
Purgeable Hydrocarbons	**562**	50.0	ug/l	1	0H07003	08/07/00	08/07/00	DHS LUFT	P-01
Benzene	**74.8**	0.500	"	"	"	"	"	"	
Toluene	**7.51**	0.500	"	"	"	"	"	"	
Ethylbenzene	**24.3**	0.500	"	"	"	"	"	"	
Xylenes (total)	**14.8**	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	**13.3**	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*114 %*		*70-130*	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MJG0783-01) Water	**Sampled: 07/26/00 13:20**	**Received: 07/27/00 12:19**							
Diesel Range Hydrocarbons	**0.125**	0.0500	mg/l	1	0H02024	08/02/00	08/03/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		*116 %*	*50-150*		"	"	"	"	
MW-7 (MJG0783-02) Water	**Sampled: 07/26/00 11:00**	**Received: 07/27/00 12:19**							
Diesel Range Hydrocarbons	ND	0.0500	mg/l	1	0H04031	08/04/00	08/08/00	DHS LUFT	
Surrogate: n-Pentacosane		*91.0 %*	*50-150*		"	"	"	"	
MW-9 (MJG0783-03) Water	**Sampled: 07/26/00 11:55**	**Received: 07/27/00 12:19**							
Diesel Range Hydrocarbons	**0.0836**	0.0500	mg/l	1	0H04031	08/04/00	08/08/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		*90 8 %*	*50-150*		"	"	"	"	
MW-10 (MJG0783-04) Water	**Sampled: 07/26/00 14:15**	**Received: 07/27/00 12:19**							
Diesel Range Hydrocarbons	**0.192**	0.0500	mg/l	1	0H04031	08/04/00	08/08/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		*117 %*	*50-150*		"	"	"	"	

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

MTBE by EPA Method 8260A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MJG0783-04) Water Sampled: 07/26/00 14:15 Received: 07/27/00 12:19									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0H14011	08/12/00	08/12/00	EPA 8260A	I-02
Surrogate: 1,2-Dichloroethane-d4		*244 %*	*70-130*		"	"	"	"	*I-02 S-04*

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager. Nick Sudano	08/15/00 14:04

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MJG0783-02) Water	**Sampled: 07/26/00 11:00**	**Received: 07/27/00 12:19**							
Ferrous Iron	**0.0885**	0.0100	mg/l	1	0H02016	08/02/00	08/02/00	EPA 6010A	
MW-9 (MJG0783-03) Water	**Sampled: 07/26/00 11:55**	**Received: 07/27/00 12:19**							
Ferrous Iron	**0.0649**	0.0100	mg/l	1	0H02016	08/02/00	08/02/00	EPA 6010A	

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

Anions by EPA Method 300.0

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MJG0783-02) Water Sampled: 07/26/00 11:00 Received: 07/27/00 12:19									
Nitrate as N	**6.86**	0.226	mg/l	10	0G28025	07/27/00	07/27/00	EPA 300.0	
Sulfate as SO4	**29.9**	5.00	"	"	"	"	"	"	
MW-9 (MJG0783-03) Water Sampled: 07/26/00 11:55 Received: 07/27/00 12:19									
Nitrate as N	**1.62**	0.226	mg/l	10	0G28025	07/27/00	07/27/00	EPA 300.0	
Sulfate as SO4	**30.5**	5.00	"	"	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H04003 - EPA 5030B [P/T]										
Blank (0H04003-BLK1)				Prepared & Analyzed: 08/04/00						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	*8.07*		"	*10.0*		*80.7*	*70-130*			
LCS (0H04003-BS1)				Prepared & Analyzed: 08/04/00						
Purgeable Hydrocarbons	222	50.0	ug/l	250		88.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*14.4*		"	*10.0*		*144*	*70-130*			*S-02*
Matrix Spike (0H04003-MS1)		**Source: MJG0783-02**		Prepared & Analyzed: 08/04/00						
Purgeable Hydrocarbons	216	50.0	ug/l	250	ND	86.4	60-140			
Surrogate: a,a,a-Trifluorotoluene	*14.1*		"	*10.0*		*141*	*70-130*			*S-02*
Matrix Spike Dup (0H04003-MSD1)		**Source: MJG0783-02**		Prepared & Analyzed: 08/04/00						
Purgeable Hydrocarbons	234	50.0	ug/l	250	ND	93.6	60-140	8.00	25	
Surrogate: a,a,a-Trifluorotoluene	*14.0*		"	*10.0*		*140*	*70-130*			*S-02*
Batch 0H07003 - EPA 5030B [P/T]										
Blank (0H07003-BLK1)				Prepared & Analyzed: 08/07/00						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	*9.32*		"	*10.0*		*93.2*	*70-130*			

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H07003 - EPA 5030B [P/T]										
LCS (0H07003-BS1)				Prepared & Analyzed: 08/07/00						
Benzene	10.3	0.500	ug/l	10.0		103	70-130			
Toluene	10.3	0.500	"	10.0		103	70-130			
Ethylbenzene	10.4	0.500	"	10.0		104	70-130			
Xylenes (total)	31.4	0.500	"	30.0		105	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.60*		"	*10.0*		*96.0*	*70-130*			

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H02024 - EPA 3510B										
Blank (0H02024-BLK1)				Prepared & Analyzed: 08/02/00						
Diesel Range Hydrocarbons	ND	0.0500	mg/l							
Surrogate: n-Pentacosane	*0.106*		"	*0.100*		*106*	*50-150*			
LCS (0H02024-BS1)				Prepared & Analyzed: 08/02/00						
Diesel Range Hydrocarbons	1.08	0.0500	mg/l	1.00		108	60-140			
Surrogate: n-Pentacosane	*0.102*		"	*0.100*		*102*	*50-150*			
Matrix Spike (0H02024-MS1)		**Source: MJG0783-01**		Prepared: 08/02/00		Analyzed: 08/03/00				
Diesel Range Hydrocarbons	1.20	0.0500	mg/l	1.00	0.125	108	50-150			
Surrogate: n-Pentacosane	*0.108*		"	*0.100*		*108*	*50-150*			
Matrix Spike Dup (0H02024-MSD1)		**Source: MJG0783-01**		Prepared: 08/02/00		Analyzed: 08/03/00				
Diesel Range Hydrocarbons	1.13	0.0500	mg/l	1.00	0.125	100	50-150	6.01	50	
Surrogate: n-Pentacosane	*0.0992*		"	*0.100*		*99.2*	*50-150*			
Batch 0H04031 - EPA 3510B										
Blank (0H04031-BLK1)				Prepared: 08/04/00		Analyzed: 08/08/00				
Diesel Range Hydrocarbons	ND	0.0500	mg/l							
Surrogate: n-Pentacosane	*0.0931*		"	*0.100*		*93.1*	*50-150*			
LCS (0H04031-BS1)				Prepared: 08/04/00		Analyzed: 08/08/00				
Diesel Range Hydrocarbons	0.784	0.0500	mg/l	1.00		78.4	60-140			
Surrogate: n-Pentacosane	*0.0825*		"	*0.100*		*82.5*	*50-150*			
Matrix Spike (0H04031-MS1)		**Source: MJG0783-02**		Prepared: 08/04/00		Analyzed: 08/08/00				
Diesel Range Hydrocarbons	1.04	0.0500	mg/l	1.00	ND	104	50-150			
Surrogate: n-Pentacosane	*0.108*		"	*0.100*		*108*	*50-150*			

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number. 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H04031 - EPA 3510B										
Matrix Spike Dup (0H04031-MSD1)		**Source: MJG0783-02**		Prepared: 08/04/00		Analyzed: 08/08/00				
Diesel Range Hydrocarbons	1.06	0.0500	mg/l	1.00	ND	106	50-150	1.90	50	
Surrogate: n-Pentacosane	*0.0994*		"	*0.100*		*99.4*	*50-150*			

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

MTBE by EPA Method 8260A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H14011 - EPA 5030B [P/T]										
Blank (0H14011-BLK1)				Prepared & Analyzed: 08/12/00						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*8.30*		"	*10.0*		*83.0*	*70-130*			
LCS (0H14011-BS1)				Prepared & Analyzed: 08/12/00						
Methyl tert-butyl ether	10.0	1.00	ug/l	10.0		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*9.75*		"	*10.0*		*97.5*	*70-130*			

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H02016 - EPA 3005A										
Blank (0H02016-BLK1)				Prepared & Analyzed: 08/02/00						
Ferrous Iron	ND	0.0100	mg/l							
LCS (0H02016-BS1)				Prepared & Analyzed: 08/02/00						
Ferrous Iron	1.08	0.0100	mg/l	1.00		108	80-120			
Matrix Spike (0H02016-MS1)		**Source: MJG0783-02**		Prepared & Analyzed: 08/02/00						
Ferrous Iron	1.17	0.0100	mg/l	1.00	0.0885	108	80-120			
Matrix Spike Dup (0H02016-MSD1)		**Source: MJG0783-02**		Prepared & Analyzed: 08/02/00						
Ferrous Iron	1.17	0.0100	mg/l	1.00	0.0885	108	80-120	0	20	

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G28025 - General Preparation										
Blank (0G28025-BLK1)				Prepared & Analyzed: 07/27/00						
Nitrate as N	ND	0 0226	mg/l							
Sulfate as SO4	ND	0.500	"							
LCS (0G28025-BS1)				Prepared & Analyzed: 07/27/00						
Nitrate as N	2.19	0.0226	mg/l	2.26		96 9	90-110			
Sulfate as SO4	9.65	0.500	"	10 0		96 5	90-110			
Matrix Spike (0G28025-MS1)		**Source: MJG0789-01**		Prepared & Analyzed: 07/27/00						
Nitrate as N	22.5	0 226	mg/l	22.6	1.76	91.8	80-120			
Sulfate as SO4	546	5 00	"	100	387	159	80-120			Q-03
Matrix Spike Dup (0G28025-MSD1)		**Source: MJG0789-01**		Prepared & Analyzed: 07/27/00						
Nitrate as N	22 5	0.226	mg/l	22.6	1 76	91.8	80-120	0	20	
Sulfate as SO4	541	5.00	"	100	387	154	80-120	0.920	20	Q-03

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Blaine Tech Services (Shell)	Project: 3800 Broadway	
1680 Rogers Avenue	Project Number: 3800 Broadway/ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	08/15/00 14:04

Notes and Definitions

D-15	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
I-02	This sample was analyzed outside of the EPA recommended holding time.
P-01	Chromatogram Pattern: Gasoline C6-C12
Q-03	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

BLAINE TECH SERVICES INC.
1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY: 000726-I2

CLIENT: Equiva - Karen Pecryna

SITE: 3800 Broadway
Oakland, CA

LAB: Sequoia DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER MJG0783

SPECIAL INSTRUCTIONS
Send invoice to Equiva
Incident # 93995026
Send report to Blaine Tech Services
Attn: ~~[illegible]~~ Nick Sidme(?)

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.			MATRIX (S = SOIL W = H2O)	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	Nitrate, sulfate	Ferrous iron	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
mw-1	7-26	1330	W	5		X	X		X								
mw-7	↓	1100	↓	8		X	X		X			X	X				
mw-9	↓	1155	↓	8		X	X		X			X	X				
mw-10	↓	1415	↓	5		X	X		X								

Confirm MTBE by 8260

SAMPLING COMPLETED DATE 7-26 TIME 1415
SAMPLING PERFORMED BY Patrick Flaherty
RESULTS NEEDED NO LATER THAN as contracted

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Patr [signature]	7/27/00	9:15	[signature]	7/27	914

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 000726-I2 Date 7-26-00 Client equiva

Site 3800 Broadway Oakland, 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-1	2					21.50	29.79	TOC	
mw-2		destroyed							
mw-3		obstruction in well							
mw-5		~~destroyed~~							
mw-6		paved over							
mw-7	2					18.99	33.28		
mw-9	2					17.17	33.94		
mw-10	2	odor				16.61	33.20		

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000726-J2	Site: 61857107/
Sampler: M.F.	Date: 7-26-00
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.79	Depth to Water: 21.50
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: _____

1.3 (Gals.) X	3	= 3.9 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
1304	68.1	6.8	1160	>200	1.5	
1310	70.2	6.9	890	>200	2.75	
1315	70.2	6.9	650	>200	4.0	

Did well dewater? Yes (No)	Gallons actually evacuated: 4.0
Sampling Time: 1320	Sampling Date: 7-26-00
Sample I.D.: MW-1	Laboratory: (Sequoia) Columbia Other _____
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 #: 000726-52	Site: 61857107/
Sampler: MF.	Date: 7-26-00
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth:	Depth to Water:
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: _____

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals Removed	Observations
	Obstruction in well					

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

Sampling Time: Sampling Date: 7-26-00

Sample I.D.: MW-4 Laboratory: (Sequoia) Columbia Other_____

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

(a)

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 #: 000726-J2	Site: 61857107 1
Sampler: P.F.	Date: 7-31-00
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth:	Depth to Water:
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: _____

(Gals.) X ___ = ___ 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
		obstruction in well at about 21'				
		needs to be augered				

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Sequoia Columbia Other_____

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 #: 000726-J2	Site: 61857107/
Sampler: P.F.	Date: 7-26-00
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.28	Depth to Water: 18.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer
~~Disposable Bailer~~
Middleburg
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other _____

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

2.7 (Gals.) X 3 = 6.6 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
1048	64.3	6.5	500	7200	2.25	
1051	65.0	6.5	490	7200	4.5	
1054	65.2	6.4	460	7200	6.75	

Did well dewater? Yes (No) Gallons actually evacuated: 6.75

Sampling Time: 1100 Sampling Date: 7-26-00

Sample I.D.: MW-7 Laboratory: (Sequoia) Columbia Other _____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other: Nitrate, sulfate, ferrous iron

@ Time

E.B. I.D. (if applicable): Duplicate I.D. (if applicable):

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

D.O. (if req'd):	(Pre-purge):	6.0	mg/L	(Post-purge):	6.6	mg/L
O.R.P. (if req'd):	(Pre-purge):	134	mV	(Post-purge):	129	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000726-J2	Site: 61857107
Sampler: MF.	Date: 7-26-00
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.94	Depth to Water: 17.17
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: _____

2.7 (Gals.) X 3 = 8.1 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
1140	66.6	6.8	440	>200	2.75	
1144	67.2	6.8	460	7200	5.5	
1148	67.1	6.9	470	7200	8.25	

Did well dewater? Yes (No) Gallons actually evacuated: 8.25

Sampling Time: 1155 Sampling Date: 7-26-00

Sample I.D.: MW-9 Laboratory: (Sequoia) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Other Nitrate, Sulfate, ferrious iron

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): 3.6 mg/L (Post-purge): 1.8 mg/L

O.R.P. (if req'd): (Pre-purge): 107 mV (Post-purge): 94 mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000726-52	Site: 61857107/
Sampler: RF.	Date: 7-26-00
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.20	Depth to Water: 16.61
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: _____

2.6	(Gals.) X	3	=	7.8	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
1404	69.4	6.8	840	7200	2.75	
1408	68.7	6.8	800	7200	5.5	
1411	68.4	6.7	740	7200	8.0	

Did well dewater? Yes (No) Gallons actually evacuated: 8.0

Sampling Time: 1415 Sampling Date: 7-26-00

Sample I.D.: MW-10 Laboratory: (Sequoia) Columbia Other_____

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