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

JUL 10 2001

July 5, 2001
Project EQ-02.1A

435

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 - First Quarter 2001**
Former Texaco Service Station
3810 Broadway, Oakland, California 94611
Equiva Incident No. 93995026, SAP No. 128141

Dear Mr. Chan:

On behalf of Equiva Services LLC, this letter transmits the results of first quarter 2001 groundwater monitoring and sampling conducted at the site referenced above. This report presents an interpretation of results and recommendations and schedule for future actions. The groundwater elevation and analytical data are shown on Figures 1 and 2, respectively.

INTERPRETATION OF RESULTS

Groundwater Elevation

Groundwater monitoring and sampling data for the reporting was collected by Blaine Tech Services, Inc. on March 23, 2001. The average groundwater elevation at the site increased approximately 1 to 3 feet since the previous quarterly groundwater monitoring and sampling event, and it remains within the historical range of groundwater elevation.

Groundwater Flow Direction and Gradient

During the reporting quarter, the direction of groundwater flow was northwest and the groundwater gradient was estimated at 0.03.

Analytical Results

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

Groundwater Extraction Pilot Program

On February 8 and 22, 2001, a vacuum truck was used to extract groundwater from Well MW-6 to evaluate the potential effects on groundwater concentrations prior to groundwater monitoring and sampling. A total of 223 gallons of groundwater were extracted and transported to the Equilon Enterprises LLC Martinez Refinery for disposal. Based on the volume removed and fourth quarter 2000 groundwater monitoring and sampling concentrations, approximately 0.06 pounds of petroleum hydrocarbons were recovered. Between the fourth quarter 2000 and first quarter 2001 groundwater monitoring and sampling events, the petroleum hydrocarbon concentrations measured in Well MW-6 generally increased and are within their historical concentration ranges. This suggests that the extraction of groundwater from Well MW-6 had negligible effect on reducing concentrations.

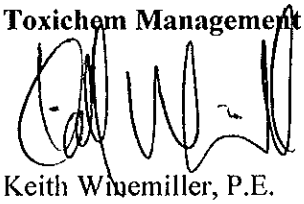
RECOMMENDATIONS AND SCHEDULE FOR FUTURE ACTIONS

1. Continue the quarterly groundwater monitoring and sampling program.
2. Resume the analysis for methyl tertiary butyl ether by EPA Method 8020 because site usage has recently changed to an operating gasoline station.
3. Respond to Alameda County Health Care Services Agency's letter to Ms. Karen Petryna of Equiva, dated March 29, 2001.

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

Sincerely,

Toxichem Management Systems, Inc.



Keith Winemiller, P.E.
Senior Engineer

Enclosures

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

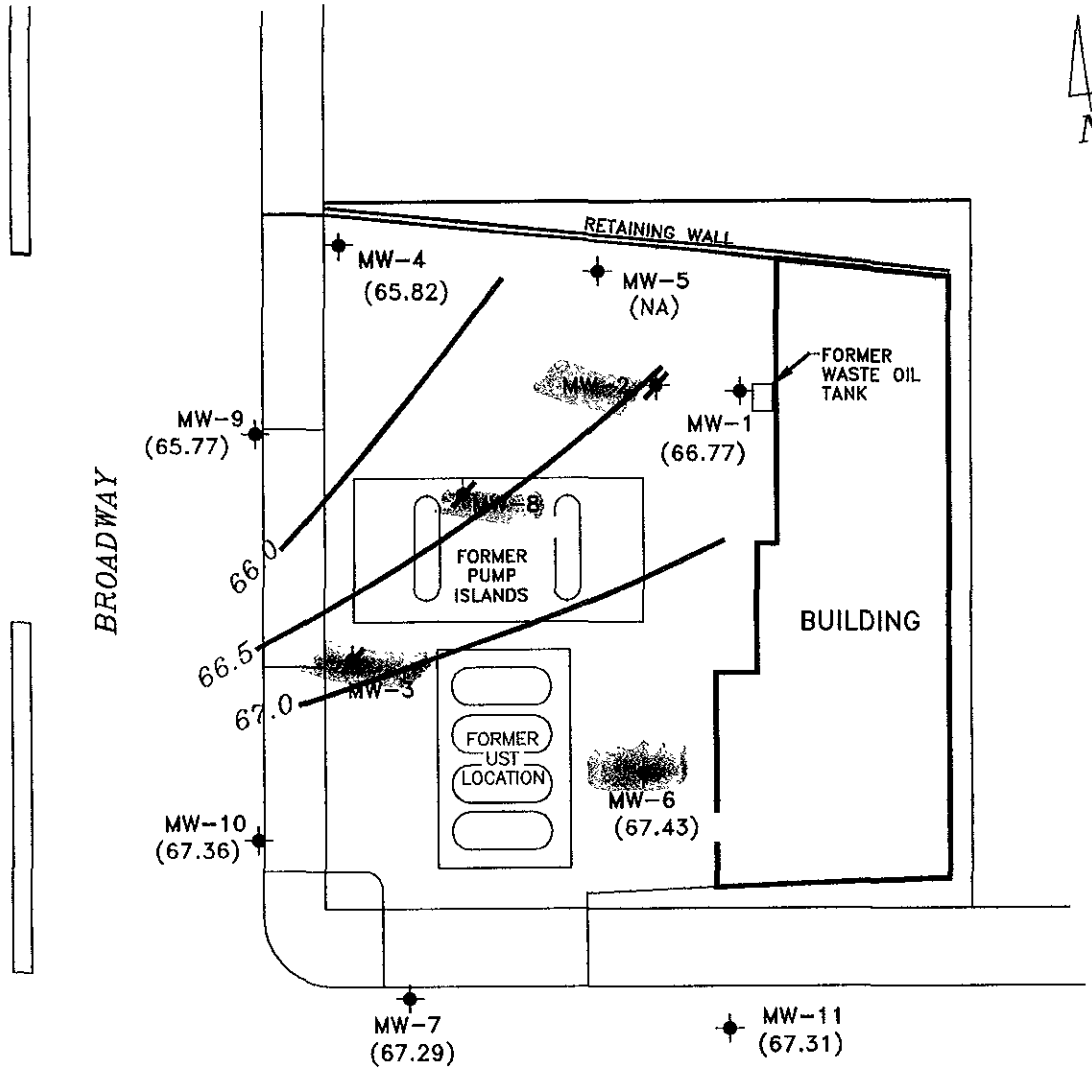
Table 1
Groundwater Extraction by Vacuum Truck

Former Texaco Service Station
3810 Broadway
Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH* Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene* Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE* Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			**Benzene**			**MTBE**		
02/08/01	MW-6	121	121	03/06/01	32,100	0.032	0.032	3,760	0.004	0.004	**NA**	NA	NA
02/22/01	MW-6	102	223	03/06/01	32,100	0.027	0.060	3,760	0.003	0.007	**NA**	NA	NA
Total Gallons Extracted:			**223**		**Total Pounds Removed:**		**0.060**			**0.007**			**NA**
					Total Gallons Removed:		**0.010**			**0.001**			**NA**

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline
MtBE = Methyl tert-butyl ether
mg/L = Micrograms per liter
ppb = Parts per billion, equivalent to mg/L
L = Liter
gal = Gallon
g = Gram
* = Concentration based on most recent groundwater monitoring results
Mass removed based on the formula: volume extracted (gal) x Concentration (mg/L) x (g/10^6mg) x (pound/453.6g) x (3.785 L/gal)
Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)
TPPH, benzene analyzed by EPA Method 8015/8020
MTBE analyzed by EPA Method 8260 in bold font, all other MTBE analyzed by EPA Method 8020
Groundwater extracted by vacuum trucks provided by ACTI. Water disposed of at a Martinez Refinery.



EXPLANATION

- MONITORING WELL
- DESTROYED WELL
- (67.31) GROUNDWATER ELEVATION (FT, MSL), 3-23-01
- NA NOT AVAILABLE
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW
  APPROXIMATE GRADIENT = 0.03

SCALE (ft)

0 30

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

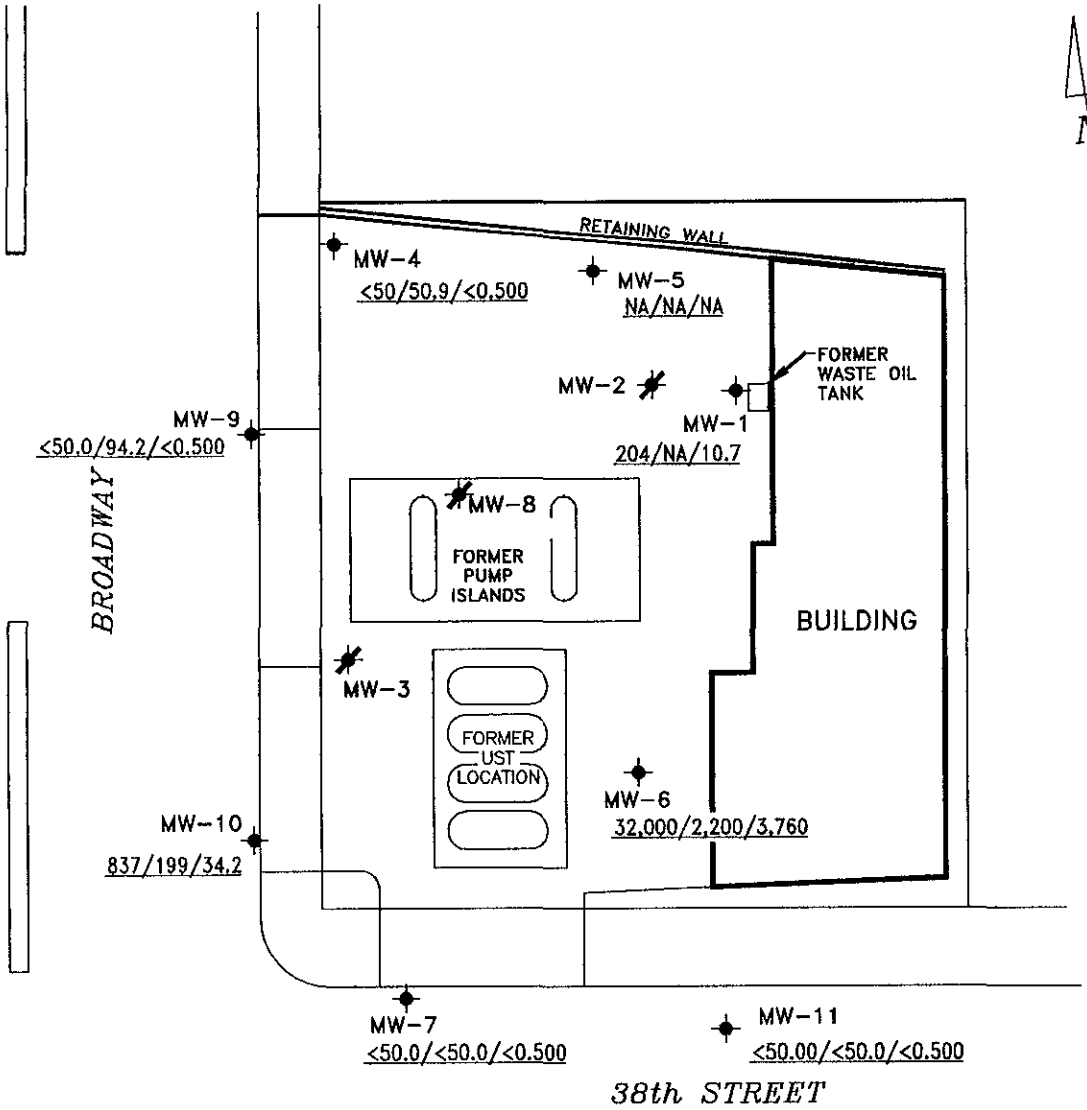
TOXICHEM Management Systems, Inc.
Environmental & Occupational Health Services

GROUNDWATER ELEVATION CONTOUR MAP, MARCH 23, 2001

Former Texaco Service Station
3810 Broadway
Oakland, California

FIGURE: 1

PROJECT: EQ-02



EXPLANATION

- MONITORING WELL
- DESTROYED WELL

<50.0/<50.0/<0.500 TPPH/TEPH/BENZENE CONCENTRATION IN GROUNDWATER, IN MICROGRAMS PER LITER, 3-23-01
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 CONCENTRATION MAP, MARCH 23, 2001

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
www.blainetech.com

April 9, 2001

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

First Quarter 2001 Groundwater Monitoring at
Former Texaco Service Station
3800 Broadway
Oakland, CA

Monitoring performed on March 6 and 23, 2001

Groundwater Monitoring Report 010306-T-1

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

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

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

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

Please call if you have any questions.

Yours truly,

Deidre Kerwin
Operations Manager

DK/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-1	09/06/2000	88.1	192	15.60	<0.500	<0.500	<0.500	NA	NA	86.69	21.90	NA	64.79	NA	NA
MW-1	11/29/2000	<50.0	331	3.52	<0.500	<0.500	<0.500	NA	NA	86.92	22.05	NA	64.87	NA	NA
MW-1	**03/06/2001**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**86.92**	**19.79**	**NA**	**67.13**	**NA**	**NA**
MW-1	**03/23/2001**	**204**	**d**	**10.7**	**<0.500**	**<0.500**	**<0.500**	**NA**	**NA**	**86.92**	**20.15**	**NA**	**66.77**	**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

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	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
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

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	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
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-4	09/06/2000	<50.0	c	<0.500	<0.500	<0.500	<0.500	NA	NA	83.31	18.52	NA	64.79	NA	NA
MW-4	11/29/2000	<50.0	183	<0.500	<0.500	<0.500	<0.500	NA	NA	83.63	18.75	NA	64.88	NA	NA
MW-4	**03/06/2001**	**<50.0**	**50.9**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**NA**	**NA**	**83.63**	**17.81**	**NA**	**65.82**	**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-5	09/06/2000	670	231	153	<2.50	7.87	<2.50	NA	NA	85.41	20.33	NA	65.08	NA	NA
MW-5	11/29/2000	Obstruction in well		NA	NA	NA	NA	NA	NA	85.13	NA	NA	NA	NA	NA
MW-5	**03/06/2001**	**Obstruction in well**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**85.13**	**NA**	**NA**	**NA**	**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	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
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-6	09/06/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	86.09	NA	NA	NA	NA	NA
MW-6	11/29/2000	22,800	2,060	4,120	2,010	872	3,180	NA	NA	86.48	21.30	NA	65.18	NA	2.0/1.8
MW-6	**03/06/2001**	**32,100**	**2,220**	**3,760**	**4,590**	**1,160**	**5,360**	**NA**	**NA**	**86.48**	**19.05**	**NA**	**67.43**	**NA**	**3.7/4.0**
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

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-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-7	09/06/2000	<50.0	c	<0.500	<0.500	<0.500	<0.500	NA	NA	84.11	19.49	NA	64.62	NA	4.3/5.0
MW-7	11/29/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	84.44	19.52	NA	64.92	NA	4.0/3.7
MW-7	**03/06/2001**	**<50.0**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**NA**	**NA**	**84.44**	**17.15**	**NA**	**67.29**	**NA**	**4.7/5.1**
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	p 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
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

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-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-9	09/06/2000	<50.0	74.3	<0.500	<0.500	<0.500	<0.500	NA	NA	82.17	17.95	NA	64.22	NA	3.8/4.0
MW-9	11/29/2000	<50.0	96.2	<0.500	<0.500	<0.500	<0.500	NA	NA	82.52	18.10	NA	64.42	NA	2.0/2.0
MW-9	**03/06/2001**	**<50.0**	**94.2**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**NA**	**NA**	**82.52**	**16.75**	**NA**	**65.77**	**NA**	**4.0/4.9**
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
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
MW-10	09/06/2000	606	205	93.4	5.36	16.7	38.9	NA	NA	81.83	17.08	NA	64.75	NA	NA
MW-10	11/29/2000	583	258	40.0	1.46	4.69	15.8	NA	NA	82.16	16.90	NA	65.26	NA	NA
MW-10	**03/06/2001**	**837**	**199**	**34.2**	**26.4**	**20.8**	**27.5**	**NA**	**NA**	**82.16**	**14.80**	**NA**	**67.36**	**NA**	**NA**
MW-11	08/08/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.61	NA	NA	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-11	08/16/2000	<50.0	56.80	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	25.50	NA	NA	NA	NA
MW-11	09/06/2000	<50.0	c	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	25.90	NA	NA	NA	NA
MW-11	11/29/2000	<50.0	63.8	<0.500	<0.500	<0.500	<0.500	NA	NA	90.63	25.80	NA	64.83	NA	NA
MW-11	**03/06/2001**	**<50.0**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**NA**	**NA**	**90.63**	**23.32**	**NA**	**67.31**	**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.

c = During shipment by laboratory, sample containers for MW-4, MW-7, and MW-11 were broken.

d = Sample containers for TEPH broke during transport to lab.

Survey information provided by Toxichem Management Systems, Inc., on December 11, 2000.

Sequoia
Analytical

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

5 April, 2001

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

RE: 3800 Broadway
Sequoia Report: MKC0157

Enclosed are the results of analyses for samples received by the laboratory on 03/07/01 09:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Smyly
Project Manager

CA ELAP Certificate #1210

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	04/05/01 17:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	MKC0157-01	Water	03/06/01 10:00	03/07/01 09:55
MW-6	MKC0157-02	Water	03/06/01 11:20	03/07/01 09:55
MW-7	MKC0157-03	Water	03/06/01 09:30	03/07/01 09:55
MW-9	MKC0157-04	Water	03/06/01 10:20	03/07/01 09:55
MW-10	MKC0157-05	Water	03/06/01 11:00	03/07/01 09:55
MW-11	MKC0157-06	Water	03/06/01 09:50	03/07/01 09:55

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Smyly, Project Manager

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	04/05/01 17:34

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-4 (MKC0157-01) Water Sampled: 03/06/01 10:00 Received: 03/07/01 09:55									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C13009	03/13/01	03/13/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.0 %*	*70-130*		"	"	"	"	
MW-6 (MKC0157-02) Water Sampled: 03/06/01 11:20 Received: 03/07/01 09:55									
Purgeable Hydrocarbons	**32100**	5000	ug/l	100	1C08004	03/08/01	03/08/01	DHS LUFT	P-01
Benzene	**3760**	50.0	"	"	"	"	"	"	
Toluene	**4590**	50.0	"	"	"	"	"	"	
Ethylbenzene	**1160**	50.0	"	"	"	"	"	"	
Xylenes (total)	**5360**	50.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*104 %*	*70-130*		"	"	"	"	
MW-7 (MKC0157-03) Water Sampled: 03/06/01 09:30 Received: 03/07/01 09:55									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C08004	03/08/01	03/08/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*70-130*		"	"	"	"	
MW-9 (MKC0157-04) Water Sampled: 03/06/01 10:20 Received: 03/07/01 09:55									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C08004	03/08/01	03/08/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*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	04/05/01 17:34

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 (MKC0157-05) Water Sampled: 03/06/01 11:00 Received: 03/07/01 09:55									
Purgeable Hydrocarbons	**837**	100	ug/l	2	1C13009	03/13/01	03/13/01	DHS LUFT	P-03
Benzene	**34.2**	1.00	"	"	"	"	"	"	P-03
Toluene	**26.4**	1.00	"	"	"	"	"	"	
Ethylbenzene	**20.8**	1.00	"	"	"	"	"	"	
Xylenes (total)	**27.5**	1.00	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*163 %*	*70-130*		"	"	"	"	*S-02*
MW-11 (MKC0157-06) Water Sampled: 03/06/01 09:50 Received: 03/07/01 09:55									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1C08004	03/08/01	03/08/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*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	04/05/01 17:34

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MKC0157-01) Water	**Sampled: 03/06/01 10:00**	**Received: 03/07/01 09:55**							
Diesel Range Hydrocarbons	**50.9**	50.0	ug/l	1	1C15014	03/15/01	03/16/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*71.1 %*	*50-150*		"	"	"	"	
MW-6 (MKC0157-02) Water	**Sampled: 03/06/01 11:20**	**Received: 03/07/01 09:55**							
Diesel Range Hydrocarbons	**2220**	50.0	ug/l	1	1C15014	03/15/01	03/20/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*96.5 %*	*50-150*		"	"	"	"	
MW-7 (MKC0157-03) Water	**Sampled: 03/06/01 09:30**	**Received: 03/07/01 09:55**							
Diesel Range Hydrocarbons	ND	50.0	ug/l	1	1C15014	03/15/01	03/20/01	DHS LUFT	
Surrogate: n-Pentacosane		*83.4 %*	*50-150*		"	"	"	"	
MW-9 (MKC0157-04) Water	**Sampled: 03/06/01 10:20**	**Received: 03/07/01 09:55**							
Diesel Range Hydrocarbons	**94.2**	50.0	ug/l	1	1C15014	03/15/01	03/19/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*88.0 %*	*50-150*		"	"	"	"	
MW-10 (MKC0157-05) Water	**Sampled: 03/06/01 11:00**	**Received: 03/07/01 09:55**							
Diesel Range Hydrocarbons	**199**	50.0	ug/l	1	1C15014	03/15/01	03/19/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*94.4 %*	*50-150*		"	"	"	"	
MW-11 (MKC0157-06) Water	**Sampled: 03/06/01 09:50**	**Received: 03/07/01 09:55**							
Diesel Range Hydrocarbons	ND	50.0	ug/l	1	1C15014	03/15/01	03/19/01	DHS LUFT	
Surrogate: n-Pentacosane		*90.5 %*	*50-150*		"	"	"	"	

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	04/05/01 17:34

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 1C08004 - EPA 5030B [P/T]										
Blank (1C08004-BLK1)				Prepared & Analyzed: 03/08/01						
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	*10.4*		"	*10.0*		*104*	*70-130*			
LCS (1C08004-BS1)				Prepared & Analyzed: 03/08/01						
Benzene	9.66	0.500	ug/l	10.0		96.6	70-130			
Toluene	9.99	0.500	"	10.0		99.9	70-130			
Ethylbenzene	10.2	0.500	"	10.0		102	70-130			
Xylenes (total)	30.9	0.500	"	30.0		103	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.3*		"	*10.0*		*103*	*70-130*			
Matrix Spike (1C08004-MS1)		**Source: MKC0154-02**		Prepared & Analyzed: 03/08/01						
Benzene	9.72	0.500	ug/l	10.0	ND	97.2	60-140			
Toluene	10.2	0.500	"	10.0	ND	102	60-140			
Ethylbenzene	10.3	0.500	"	10.0	ND	103	60-140			
Xylenes (total)	31.3	0.500	"	30.0	ND	104	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.6*		"	*10.0*		*106*	*70-130*			
Matrix Spike Dup (1C08004-MSD1)		**Source: MKC0154-02**		Prepared & Analyzed: 03/08/01						
Benzene	9.21	0.500	ug/l	10.0	ND	92.1	60-140	5.39	25	
Toluene	9.54	0.500	"	10.0	ND	95.4	60-140	6.69	25	
Ethylbenzene	9.66	0.500	"	10.0	ND	96.6	60-140	6.41	25	
Xylenes (total)	29.5	0.500	"	30.0	ND	98.3	60-140	5.92	25	
Surrogate: a,a,a-Trifluorotoluene	*9.69*		"	*10.0*		*96.9*	*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	04/05/01 17:34

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 1C13009 - EPA 5030B [P/T]										
Blank (1C13009-BLK1)				Prepared & Analyzed: 03/13/01						
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	*9.83*		"	*10.0*		*98.3*	*70-130*			
LCS (1C13009-BS1)				Prepared & Analyzed: 03/13/01						
Benzene	9.43	0 500	ug/l	10.0		94.3	70-130			
Toluene	10.1	0.500	"	10.0		101	70-130			
Ethylbenzene	11.0	0 500	"	10 0		110	70-130			
Xylenes (total)	29.7	0.500	"	30.0		99.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.2*		"	*10.0*		*102*	*70-130*			
Matrix Spike (1C13009-MS1)		**Source: MKC0158-03**		Prepared & Analyzed: 03/13/01						
Benzene	8.78	0.500	ug/l	10.0	ND	87.8	60-140			
Toluene	9.59	0.500	"	10.0	ND	95.9	60-140			
Ethylbenzene	10.2	0.500	"	10.0	ND	102	60-140			
Xylenes (total)	29.7	0.500	"	30.0	ND	99.0	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.55*		"	*10.0*		*95.5*	*70-130*			
Matrix Spike Dup (1C13009-MSD1)		**Source: MKC0158-03**		Prepared & Analyzed: 03/13/01						
Benzene	9.00	0.500	ug/l	10 0	ND	90.0	60-140	2.47	25	
Toluene	9.71	0.500	"	10 0	ND	97.1	60-140	1.24	25	
Ethylbenzene	10.3	0.500	"	10.0	ND	103	60-140	0.976	25	
Xylenes (total)	29.3	0.500	"	30.0	ND	97.7	60-140	1.36	25	
Surrogate: a,a,a-Trifluorotoluene	*9 88*		"	*10.0*		*98.8*	*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	04/05/01 17:34

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 1C15014 - EPA 3510B										
Blank (1C15014-BLK1)				Prepared: 03/15/01 Analyzed: 03/20/01						
Diesel Range Hydrocarbons	121	50.0	ug/l							A-01,Q-19
Surrogate: n-Pentacosane	*90.2*		"	*100*		*90.2*	*50-150*			
LCS (1C15014-BS1)				Prepared: 03/15/01 Analyzed: 03/20/01						
Diesel Range Hydrocarbons	1990	50.0	ug/l	2000		99.5	60-140			
Surrogate: n-Pentacosane	*234*		"	*200*		*117*	*50-150*			
Matrix Spike (1C15014-MS1)		**Source: MKC0157-01**		Prepared: 03/15/01 Analyzed: 03/16/01						
Diesel Range Hydrocarbons	633	50.0	ug/l	1000	50.9	58.2	50-150			
Surrogate: n-Pentacosane	*65.6*		"	*100*		*65.6*	*50-150*			
Matrix Spike Dup (1C15014-MSD1)		**Source: MKC0157-01**		Prepared: 03/15/01 Analyzed: 03/16/01						
Diesel Range Hydrocarbons	505	50.0	ug/l	1000	50.9	45.4	50-150	22.5	50	
Surrogate: n-Pentacosane	*63.9*		"	*100*		*63.9*	*50-150*			

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	04/05/01 17:34

Notes and Definitions

A-01	Chromatogram Pattern: The method blank had an analyte concentration that was outside of acceptable criteria. A non detectable sample in the batch, MKC0157-03, satisfied the QC requirements and validated the batch.
D-15	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
P-01	Chromatogram Pattern: Gasoline C6-C12
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
Q-19	The method blank contains an analyte at a concentration above the MRL.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

LAB: SEQ

EQUIVA Services LLC Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be Invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 9 3 9 9 5 0 2 6

SAP or CRMT NUMBER (TS/CRMT):

DATE: 03-06-01

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): 3800 Broadway, Oakland

PROJECT CONTACT (Report to): Nick Sudano

CONSULTANT PROJECT NO: BTS # 010306-T1

SAMPLER NAME(S) (Print): Mike Toll

LAB USE ONLY: MK40157

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8015m)	BTEX (8021B)	MTBE (8021B)	MTBE (8260B)	TPH - Diesel, Extractable (8015m)	Oxygenates (5) by 8260	Ethanol, Methanol (8015B)	1,2-DCA & EDB by 8010	MTBE (8260B) Confirmation, See Note
	MW1	03-06-01		W	6	X	X			X				
1	MW4		1040		5	X	X			X				
	MW5				5	X	X			X				
2	MW6		1120		5	X	X			X				
3	MW7		0930		5	X	X			X				
4	MW9		1020		5	X	X			X				
5	MW10		1100		5	X	X			X				
6	MW11		0950		5	X	X			X				
7														
8														

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3-7-01	815
Relinquished by: (Signature)	Received by: (Signature) CTA (MH)	Date: 3/14/01	Time: 955
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/16/00 Revision

QAQ Graphic (714) 899-9702

Sequoia Analytical

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

30 March, 2001

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

RE: 3800 Broadway
Sequoia Report: MKC0590

Enclosed are the results of analyses for samples received by the laboratory on 03/26/01 10:37. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Smyly
Project Manager

CA ELAP Certificate #1210

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	03/30/01 12:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MKC0590-01	Water	03/23/01 09:27	03/26/01 10:37

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	03/30/01 12:32

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MKC0590-01) Water Sampled: 03/23/01 09:27 Received: 03/26/01 10:37									
Purgeable Hydrocarbons	**204**	50.0	ug/l	1	1C27003	03/27/01	03/27/01	DHS LUFT	P-03
Benzene	**10.7**	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*147 %*	*70-130*		"	"	"	"	*S-02*

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	03/30/01 12:32

Total Purgeable Hydrocarbons (C6-C12) and BTEX 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 1C27003 - EPA 5030B [P/T]										
Blank (1C27003-BLK1)				Prepared & Analyzed: 03/27/01						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Surrogate: a,a,a-Trifluorotoluene	*9.16*		"	*10.0*		*91 6*	*70-130*			
LCS (1C27003-BS1)				Prepared & Analyzed: 03/27/01						
Purgeable Hydrocarbons	209	50.0	ug/l	250		83.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*13.1*		"	*10 0*		*131*	*70-130*			*S-02*
Matrix Spike (1C27003-MS1)		**Source: MKC0585-01**		Prepared & Analyzed: 03/27/01						
Purgeable Hydrocarbons	280	50.0	ug/l	250	ND	112	60-140			
Surrogate: a,a,a-Trifluorotoluene	*14.2*		"	*10 0*		*142*	*70-130*			*S-02*
Matrix Spike Dup (1C27003-MSD1)		**Source: MKC0585-01**		Prepared & Analyzed: 03/27/01						
Purgeable Hydrocarbons	204	50 0	ug/l	250	ND	81.6	60-140	31 4	25	Q-07
Surrogate: a,a,a-Trifluorotoluene	*11 5*		"	*10.0*		*115*	*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	03/30/01 12:32

Notes and Definitions

P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
Q-07	The RPD value for this QC sample is above the established control limit. Review of associated QC indicates the high RPD does not represent an out-of-control condition for the batch.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

LAB: Sequoia

Lab Identification (if necessary).

Address.

City, State, Zip.

EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

INCIDENT NUMBER (S&E ONLY): 9 3 9 9 5 0 2 6

SAP or CRMT NUMBER (TS/CRMT):

DATE: 3/23/01

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): 3800 Broadway, Oakland

PROJECT CONTACT (Report to): Nick Sudano

CONSULTANT PROJECT NO.: BTS # 010323-X2

SAMPLER NAME(S) (Print): HOYT RYALES

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

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

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

MKC0590

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8015m)	BTEX (8021B)	MTBE (8021B)	MTBE (8260B)	TPH - Diesel, Extractable (8015m)	Oxygenates (5) by 8260	Ethanol, Methanol (8015B)	1,2-DCA & EDB by 8010	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	3/23/01	0927	W	4/3	X	X			X					Diesel Sample broken

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature] 3/26 8:30	[signature]	3-26-01	830
10203-26 [signature]			

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

10/16/00 Revision

QMO Graphic (714) 898-9702

WELL GAUGING DATA

Project # 010323-X2 Date 3/23/01 Client EQUILON

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	odor				20.15	29.68	TOC	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010323-XZ	Site: 93995026
Sampler: HOYT	Date: 3/23/01
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.68	Depth to Water: 20.15
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 Tubing w/check Valve

Sampling Method
- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other PVC Bailer

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
0914	63.1	6.71	1209	110.4	1.5	odor
0919	63.1	6.73	1234	178.7	3	↓
0924	63.3	6.74	1281	>200	4.5	↓

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Time: 0927 Sampling Date: 3/23/01

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

WELL GAUGING DATA

Project # 010306-T1 Date 03-06-01 Client 93995026

Site 3800 Broadway, OAKLAND

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	
MW1	2					19.79	28.80		
MW4	2					17.81	35.01		
MW5	2					Dry	10.22		obstruction
MW6	2					19.05	32.65		
MW7	2					17.15	33.90		
MW9	2					16.75	34.10		
MW10	2					14.80	33.45		
MW11	2					23.32	39.30		

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010306-T1	Site: 93995026
Sampler: MT	Date: 03-06-01
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.90	Depth to Water: 19.79
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 3 = ____ 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
	* Casing Bent can't get Bailer past bent section.					
	@ 5ft down.					

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Time: — Sampling Date: 03-06-01

Sample I.D.: MW- — 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 #: 010306-T1	Site: 93995026
Sampler: MT	Date: 03-06-01
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 35.01	Depth to Water: 17.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer(X) | Waterra | Disposable Bailer | Peristaltic | Middleburg | Extraction Pump | Electric Submersible | Other____

Sampling Method: (Bailer)

Disposable Bailer | Extraction Port | Dedicated Tubing | Other: ____

1 Case Volume	Specified Volumes	Calculated Volume
2.8 (Gals.) X	3 =	8.4 Gals.

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
1030	64.3	6.8	676	>200	3	
1034	64.1	6.8	651	>200	6	
1038	64.0	6.7	649	>200	8.5	

Did well dewater? Yes (No)	Gallons actually evacuated: 8.5
Sampling Time: 1040	Sampling Date: 03-06-01
Sample I.D.: MW-4	Laboratory: (Sequoia) Columbia Other____
Analyzed for: (TPH-G BTEX ~~MTBE~~ TPH-D) @ Time	Other:
EB 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:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010306-T1	Site: 93995026
Sampler: MT	Date: 03-06-01
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 10.22	Depth to Water: Dry
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 3 = ____ 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 @ 10.22 feet.					

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 03-06-01	
Sample I.D.: MW-5		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 #: 010306-T1	Site: 93995026
Sampler: MT	Date: 03-06-01
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 32.65	Depth to Water: 19.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:
Bailer K | Waterra | Disposable Bailer | Peristaltic | Middleburg | Extraction Pump | Electric Submersible | Other ____

Sampling Method: (Bailer)
Disposable Bailer | Extraction Port | Dedicated Tubing | Other ____

2.2 (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
1110	64.3	6.7	876	>200	2.25	odor
1114	64.5	6.7	851	>200	4.5	"
1118	64.6	6.7	949	>200	6.75	"
	* Removed &	Replaced	Stinger			

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

Sampling Time: 1120 Sampling Date: 03-06-01

Sample I.D.: MW-6 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:	3.7 mg/L	Post-purge:	4.0 mg/L
O.R.P. (if req'd):	Pre-purge:	-90 mV	Post-purge:	-100 mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010306-T1	Site: 93995026
Sampler: MT	Date: 03-06-01
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.90	Depth to Water: 17.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:

Bailer	Waterra	
Disposable Bailer X	Peristaltic	
Middleburg	Extraction Pump	
Electric Submersible	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
0915	64.0	6.6	620	>200	2.75	
0919	63.7	6.5	612	>200	5.5	
0924	63.9	6.5	607	>200	8.25	

Did well dewater? Yes (No)		Gallons actually evacuated: 8.25		
Sampling Time: 0930		Sampling Date: 03-06-01		
Sample I.D.: MW-7		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:	4.7 mg/L	Post-purge:	5.1 mg/L
O.R.P. (if req'd):	Pre-purge:	100 mV	Post-purge:	97 mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010306-T1	Site: 93995026
Sampler: MT	Date: 03-06-01
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.10	Depth to Water: 16.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

2.8 (Gals.) X 3 = 8.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1006	64.0	6.8	821	176	3	
1010	63.9	6.7	800	>200	6	
1015	64.1	6.8	817	>200	8.5	

Did well dewater? Yes (No) Gallons actually evacuated: 8.5

Sampling Time: 1020 Sampling Date: 03-06-01

Sample I.D.: MW-9 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:	4.0 mg/L	Post-purge:	4.9	mg/L
O.R.P. (if req'd):	Pre-purge:	-100 mV	Post-purge:	-91	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010306-T1	Site: 93995026
Sampler: MT	Date: 03-06-01
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 38.45	Depth to Water: 14.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

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

Sampling Method: (Bailer)

Disposable Bailer	
Extraction Port	
Dedicated Tubing	
Other: _____	

3 (Gals.) X 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1047	64.3	6.8	700	>200	3	odor
1051	63.9	6.9	726	>200	6	"
1055	64.1	6.9	715	>200	9	"

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 1100		Sampling Date: 03-06-01	
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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010306-T1	Site: 93995026
Sampler: MT	Date: 03-06-01
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.30	Depth to Water: 23.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer X
Disposable Bailer
Middleburg
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other ____

Sampling Method: (Bailer)

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
0935	63.0	6.9	700	170	2.75	
0939	63.4	6.9	731	>200	5.5	
0944	63.4	6.8	736	>200	8	

Did well dewater? Yes (No) Gallons actually evacuated: 8

Sampling Time: 0950 Sampling Date: 03-06-01

Sample I.D.: MW-11 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