

3719

# CAMBRIA

September 13, 2000

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

Re: **Second Quarter 2000 Monitoring Report**  
Shell-branded Service Station  
6039 College Avenue  
Oakland, California  
Incident #98995745  
Cambria Project #242-0503-002

RECEIVED  
CAMBRIA PROJECT #242-0503-002  
03 SEP 14 PM 5:15



Dear Mr. Seery:

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

## SECOND QUARTER 2000 ACTIVITIES

**Groundwater Monitoring:** Blaine Tech Services, Inc. (Blaine) of San Jose, California checked for separate-phase hydrocarbons (SPH), gauged water levels, and calculated groundwater elevations. No SPH was detected this quarter. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

**Separate-Phase and Dissolved-Phase Hydrocarbon Removal:** Weekly extraction of SPH and dissolved-phase hydrocarbons was initiated at this site in September of 1999. Advanced Cleanup Technologies, Inc. of Benicia, California extracted SPH and groundwater from wells MW-3 and MW-4 with a vacuum truck between September 22 and November 10, 1999. Beginning November 10, 1999, Blaine took over the weekly purging events as the volume of groundwater and SPH removed each week was not sufficient to warrant using a vacuum truck. Weekly purging events by Blaine were discontinued on June 8, 2000 due to the absence of SPH in MW-4. Field data collected from weekly vacuum truck operations and Blaine purging is included in Table 1.

Oakland, CA  
San Ramon, CA  
Sonoma, CA  
Portland, OR

**Cambria  
Environmental  
Technology, Inc.**

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

**ANTICIPATED THIRD QUARTER 2000 ACTIVITIES**

*Groundwater Monitoring:* Blaine will measure and remove detected SPH, gauge all wells, sample selected site wells if no SPH are present, and tabulate the data. Cambria will prepare a monitoring report.

*Vapor Extraction Testing:* Cambria will coordinate a vapor extraction test to determine the feasibility of using vapor extraction for remediating hydrocarbons in soil and groundwater.



**CLOSING**

We appreciate the opportunity to work with you on this project. Please call Darryk Ataide at (510) 420-3339 if you have any questions or comments.

Sincerely,  
**Cambria Environmental Technology, Inc**

*D. Ataide*  
Darryk Ataide, REA I  
Project Manager

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

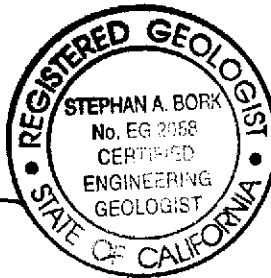


Figure: 1 - Groundwater Elevation Contour Map

Table: 1 - Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869  
Montrose Investment Co. c/o Shell Oil Co., P.O. Box 2099, Houston, TX 77252

g:\oak6039\qrr\2q00qm.doc c/o Shell Oil Co., Property Tax

### EXPLANATION

MW-1 ◆ Monitoring well location

T-1 ⊠ Tank backfill well

BH-A ⊙ Soil boring installed 9/93

\* Data anomalous, well not contoured

→ Groundwater flow direction

— XX.XX Groundwater elevation contour, in feet above mean sea level (msl) approximately located; dashed where inferred

Well	Well designation
ELEV	Groundwater elevation, in feet above msl
Benzene	Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020; date is most recent sampling unless otherwise noted.
MTBE	



FLORIO STREET

commercial properties

residential and commercial properties

approximate 1940 pump island and tank locations

approximate 1957 pump island and tank locations

approximate 1940 and 1957 waste oil tank locations

G:\OAKLAND\6039COLLEGE\FIGURES\20M00-MP.A1

MW-5	178.11
<0.50 - 2/11/00	<2.50 - 2/11/00

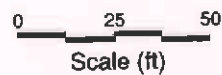
MW-5	179.22
<0.50 - 2/11/00	<2.50 - 2/11/00

MW-3*	175.47
1.030 - 2/11/00	19.300 - 2/11/00

MW-2	181.55
<1.50 - 2/20/97	<2.5 - 2/20/97

MW-4	180.73
1.050	28.600

MW-1	182.92
<0.50 - 2/20/97	<2.5 - 2/20/97



FIGURE

1

09/12/00

**Shell-branded Service Station**  
 6039 College Avenue  
 Oakland, California  
 Incident #98995745



CAMBRIA

### Groundwater Elevation Contour Map

May 4, 2000

**Table 1: Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Cumulative		Date Sampled	TPPH			Benzene		MTBE			
		Volume Pumped (gal)	Volume Pumped (gal)		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)
09/22/99	MW-3	115	115	08/31/99	1,550	0.00149	0.00149	232	0.00022	0.00022	4,620	0.00443	0.00443
10/06/99	MW-3	40	155	08/31/99	1,550	0.00052	0.00200	232	0.00008	0.00030	4,620	0.00154	0.00598
10/14/99	MW-3	50	205	08/31/99	1,550	0.00065	0.00265	232	0.00010	0.00040	4,620	0.00193	0.00790
10/18/99	MW-3	30	235	08/31/99	1,550	0.00039	0.00304	232	0.00006	0.00045	4,620	0.00116	0.00906
10/29/99	MW-3	30	265	08/31/99	1,550	0.00039	0.00343	232	0.00006	0.00051	4,620	0.00116	0.01022
11/03/99	MW-3	30	295	08/31/99	1,550	0.00039	0.00382	232	0.00006	0.00057	4,620	0.00116	0.01137
11/10/99	MW-3	30	325	08/31/99	1,550	0.00039	0.00420	232	0.00006	0.00063	4,620	0.00116	0.01253
11/19/99	MW-3	169	494	08/31/99	1,550	0.00219	0.00639	232	0.00033	0.00096	4,620	0.00652	0.01904
11/24/99	MW-3	160	654	08/31/99	1,550	0.00207	0.00846	232	0.00031	0.00127	4,620	0.00617	0.02521
12/02/99	MW-3	200	854	08/31/99	1,550	0.00259	0.01105	232	0.00039	0.00165	4,620	0.00771	0.03292
12/10/99	MW-3	60	914	08/31/99	1,550	0.00078	0.01182	232	0.00012	0.00177	4,620	0.00231	0.03524
12/17/99	MW-3	150	1,064	08/31/99	1,550	0.00194	0.01376	232	0.00029	0.00206	4,620	0.00578	0.04102
01/03/00	MW-3	0	1,064	08/31/99	1,550	0.00000	0.01376	232	0.00000	0.00206	4,620	0.00000	0.04102
01/07/00	MW-3	0	1,064	08/31/99	1,550	0.00000	0.01376	232	0.00000	0.00206	4,620	0.00000	0.04102
01/13/00	MW-3	360	1,424	08/31/99	1,550	0.00466	0.01842	232	0.00070	0.00276	4,620	0.01388	0.05490
01/21/00	MW-3	40	1,464	08/31/99	1,550	0.00052	0.01894	232	0.00008	0.00283	4,620	0.00154	0.05644
01/25/00	MW-3	80	1,544	08/31/99	1,550	0.00103	0.01997	232	0.00015	0.00299	4,620	0.00308	0.05952
02/01/00	MW-3	165	1,709	08/31/99	1,550	0.00213	0.02210	232	0.00032	0.00331	4,620	0.00636	0.06588
02/11/00	MW-3	24	1,733	02/11/00	10,900	0.00218	0.02429	1,030	0.00021	0.00351	19,300	0.00387	0.06975
02/15/00	MW-3	150	1,883	02/11/00	10,900	0.01364	0.03793	1,030	0.00129	0.00480	19,300	0.02416	0.09391
02/23/00	MW-3	100	1,983	02/11/00	10,900	0.00910	0.04703	1,030	0.00086	0.00566	19,300	0.01610	0.11001
03/02/00	MW-3	168	2,151	02/11/00	10,900	0.01528	0.06231	1,030	0.00144	0.00711	19,300	0.02706	0.13707
03/10/00	MW-3	270	2,421	02/11/00	10,900	0.02456	0.08686	1,030	0.00232	0.00943	19,300	0.04348	0.18055
03/15/00	MW-3	96	2,517	02/11/00	10,900	0.00873	0.09559	1,030	0.00083	0.01025	19,300	0.01546	0.19601
03/21/00	MW-3	100	2,617	02/11/00	10,900	0.00910	0.10469	1,030	0.00086	0.01111	19,300	0.01610	0.21211
03/27/00	MW-3	100	2,717	02/11/00	10,900	0.00910	0.11378	1,030	0.00086	0.01197	19,300	0.01610	0.22822
04/07/00	MW-3	160	2,877	02/11/00	10,900	0.01455	0.12834	1,030	0.00138	0.01335	19,300	0.02577	0.25399
04/13/00	MW-3	120	2,997	02/11/00	10,900	0.01091	0.13925	1,030	0.00103	0.01438	19,300	0.01933	0.27331
04/18/00	MW-3	180	3,177	02/11/00	10,900	0.01637	0.15562	1,030	0.00155	0.01593	19,300	0.02899	0.30230

Table 1: Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California

Date Purged	Well ID	Cumulative		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)
		Volume Pumped (gal)	Volume Pumped (gal)										
04/26/00	MW-3	225	3,402	02/11/00	10,900	0.02046	0.17609	1,030	0.00193	0.01786	19,300	0.03624	0.33853
05/04/00	MW-3	160	3,562	02/11/00	10,900	0.01455	0.19064	1,030	0.00138	0.01923	19,300	0.02577	0.36430
05/09/00	MW-3	180	3,742	02/11/00	10,900	0.01637	0.20701	1,030	0.00155	0.02078	19,300	0.02899	0.39329
05/17/00	MW-3	138	3,880	02/11/00	10,900	0.01255	0.21956	1,030	0.00119	0.02197	19,300	0.02222	0.41551
05/22/00	MW-3	200	4,080	02/11/00	10,900	0.01819	0.23775	1,030	0.00172	0.02369	19,300	0.03221	0.44772
06/01/00	MW-3	120	4,200	02/11/00	10,900	0.01091	0.24867	1,030	0.00103	0.02472	19,300	0.01933	0.46705
06/08/00	MW-3	170	4,370	02/11/00	10,900	0.01546	0.26413	1,030	0.00146	0.02618	19,300	0.02738	0.49443
09/22/99	MW-4	100	100	11/03/97	32,000	0.02670	0.02670	1,100	0.00092	0.00092	78,000	0.06509	0.06509
10/06/99	MW-4	60	160	11/03/97	32,000	0.01602	0.04272	1,100	0.00055	0.00147	78,000	0.03905	0.10414
10/14/99	MW-4	30	190	11/03/97	32,000	0.00801	0.05073	1,100	0.00028	0.00174	78,000	0.01953	0.12366
10/18/99	MW-4	30	220	11/03/97	32,000	0.00801	0.05874	1,100	0.00028	0.00202	78,000	0.01953	0.14319
10/29/99	MW-4	30	250	11/03/97	32,000	0.00801	0.06675	1,100	0.00028	0.00229	78,000	0.01953	0.16271
11/03/99	MW-4	30	280	11/03/97	32,000	0.00801	0.07477	1,100	0.00028	0.00257	78,000	0.01953	0.18224
11/10/99	MW-4	30	310	11/03/97	32,000	0.00801	0.08278	1,100	0.00028	0.00285	78,000	0.01953	0.20177
11/19/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
11/24/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
12/02/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
12/10/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
12/17/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
01/03/00	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
01/07/00	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
01/13/00	MW-4	350	660	11/03/97	32,000	0.09346	0.17623	1,100	0.00321	0.00606	78,000	0.22780	0.42957
01/21/00	MW-4	40	700	11/03/97	32,000	0.01068	0.18691	1,100	0.00037	0.00643	78,000	0.02603	0.45560
01/25/00	MW-4	100	800	11/03/97	32,000	0.02670	0.21362	1,100	0.00092	0.00734	78,000	0.06509	0.52069
02/01/00	MW-4	165	965	11/03/97	32,000	0.04406	0.25767	1,100	0.00151	0.00886	78,000	0.10739	0.62808
02/11/00	MW-4	19	984	02/11/00	47,200	0.00748	0.26516	905	0.00014	0.00900	27,400	0.00434	0.63242
02/15/00	MW-4	100	1,084	02/11/00	47,200	0.03939	0.30454	905	0.00076	0.00976	27,400	0.02286	0.65529
02/23/00	MW-4	100	1,184	02/11/00	47,200	0.03939	0.34393	905	0.00076	0.01051	27,400	0.02286	0.67815

**Table 1: Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative		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)
			Volume Pumped (gal)	Volume Pumped (gal)										
03/02/00	MW-4	270	1,454	02/11/00	47,200	0.10634	0.45027	905	0.00204	0.01255	27,400	0.06173	0.73988	
03/10/00	MW-4	220	1,674	02/11/00	47,200	0.08665	0.53692	905	0.00166	0.01421	27,400	0.05030	0.79018	
03/15/00	MW-4	96	1,770	02/11/00	47,200	0.03781	0.57473	905	0.00072	0.01494	27,400	0.02195	0.81213	
03/21/00	MW-4	100	1,870	02/11/00	47,200	0.03939	0.61411	905	0.00076	0.01569	27,400	0.02286	0.83499	
03/27/00	MW-4	100	1,970	02/11/00	47,200	0.03939	0.65350	905	0.00076	0.01645	27,400	0.02286	0.85786	
04/07/00	MW-4	113	2,083	02/11/00	47,200	0.04451	0.69800	905	0.00085	0.01730	27,400	0.02584	0.88369	
04/13/00	MW-4	110	2,193	02/11/00	47,200	0.04332	0.74133	905	0.00083	0.01813	27,400	0.02515	0.90884	
04/18/00	MW-4	225	2,418	02/11/00	47,200	0.08862	0.82994	905	0.00170	0.01983	27,400	0.05144	0.96029	
04/26/00	MW-4	315	2,733	02/11/00	47,200	0.12406	0.95401	905	0.00238	0.02221	27,400	0.07202	1.03231	
05/04/00	MW-4	150	2,883	02/11/00	47,200	0.05908	1.01308	905	0.00113	0.02334	27,400	0.03430	1.06660	
05/09/00	MW-4	315	3,198	02/11/00	47,200	0.12406	1.13715	905	0.00238	0.02572	27,400	0.07202	1.13862	
05/17/00	MW-4	270	3,468	02/11/00	47,200	0.10634	1.24349	905	0.00204	0.02776	27,400	0.06173	1.20035	
05/22/00	MW-4	200	3,668	02/11/00	47,200	0.07877	1.32226	905	0.00151	0.02927	27,400	0.04573	1.24608	
06/05/00	MW-4	125	3,793	02/11/00	47,200	0.04923	1.37149	905	0.00094	0.03021	27,400	0.02858	1.27466	
06/08/00	MW-4	170	3,963	02/11/00	47,200	0.06696	1.43845	905	0.00128	0.03150	27,400	0.03887	1.31353	
<b>Total Gallons Extracted:</b>		<b>8,333</b>												
					<b>Total Pounds Removed:</b>	<b>1.70258</b>			<b>0.05768</b>			<b>1.80796</b>		
					<b>Total Gallons Removed:</b>	<b>0.27911</b>			<b>0.00790</b>			<b>0.29161</b>		

**Abbreviations & Notes:**

TPPH = Total purgeable hydrocarbons as gasoline

MtBE = Methyl tert-butyl ether

µg/L = Micrograms per liter

ppb = Parts per billion, equivalent to µg/L

L = Liter

gal = Gallon

g = Gram

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10<sup>6</sup>µg) 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)

**Table 1: Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH	TPPH	TPPH	Benzene	Benzene	Benzene	MTBE	MTBE	MTBE
					Concentration (ppb)	Removed (pounds)	Removed To Date (pounds)	Concentration (ppb)	Removed (pounds)	Removed To Date (pounds)	Concentration (ppb)	Removed (pounds)	Removed To Date (pounds)

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 between September 22, 1999 and November 10, 1999, and by Blaine Tech Services thereafter. Water disposed of at a Martinez refinery.

**ATTACHMENT A**  
**Blaine Groundwater Monitoring Report**  
**and Field Notes**



**BLAINE**  
TECH SERVICES, INC.



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

June 9, 2000

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

Second Quarter 2000 Groundwater Monitoring at  
Shell-branded Service Station  
6039 College Avenue  
Oakland, CA

Monitoring performed on May 4, 2000

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Groundwater Monitoring Report **000504-Z-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, appropriate 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.

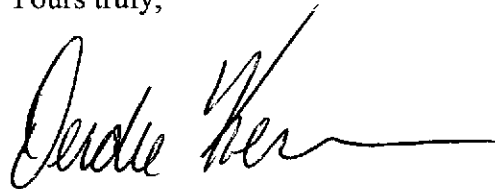
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin  
Operations Manager

DK/jt

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

cc: Anni Kreml  
Cambria Environmental Technologies, Inc.  
1144 65<sup>th</sup> Street, Suite C  
Oakland, CA 94608

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**  
**Wic #204-5508-3301**

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.)	DO (ppm)
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MW-1	02/15/1990	95	650	ND	0.67	0.37	3.2	NA	NA	195.89	17.73	NA	178.16	NA	NA
MW-1	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.51	NA	177.38	NA	NA
MW-1	05/14/1990	95	ND	0.7	0.57	0.71	3.5	NA	NA	195.89	18.92	NA	176.97	NA	NA
MW-1	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.21	NA	177.68	NA	NA
MW-1	09/12/1990	ND	84	ND	ND	ND	ND	NA	NA	195.89	19.81	NA	176.08	NA	NA
MW-1	11/27/1990	NA	NA	NA	NA	NA	NA	NA	NA	195.89	20.39	NA	175.50	NA	NA
MW-1	03/08/1991	ND	50	ND	ND	ND	ND	NA	NA	195.89	16.85	NA	179.04	NA	NA
MW-1	06/03/1991	ND	ND	ND	ND	ND	ND	NA	NA	195.89	17.82	NA	178.07	NA	NA
MW-1	08/30/1991	16.85	520	ND	ND	ND	ND	NA	NA	195.89	19.87	NA	176.02	NA	NA
MW-1	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	20.58	NA	175.31	NA	NA
MW-1	03/18/1992	<30	<50	<0.3	<0.3	<0.3	<0.3	NA	NA	195.89	13.55	NA	182.34	NA	NA
MW-1	05/28/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	17.08	NA	178.81	NA	NA
MW-1	08/19/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	19.07	NA	176.82	NA	NA
MW-1	11/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	20.11	NA	175.78	NA	NA
MW-1	02/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	12.10	NA	183.79	NA	NA
MW-1	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	14.87	NA	181.02	NA	NA
MW-1	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	16.90	NA	178.99	NA	NA
MW-1	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	19.72	NA	176.17	NA	NA
MW-1	02/28/1994	<50	NA	<0.5	<0.5	<0.5	1.7	NA	NA	195.89	15.08	NA	180.81	NA	NA
MW-1	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	17.20	NA	178.69	NA	NA
MW-1	08/10/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	18.76	NA	177.13	NA	NA
MW-1	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	16.00	NA	179.89	NA	NA
MW-1	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	10.18	NA	185.71	NA	NA
MW-1	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	11.88	NA	184.01	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**  
**Wic #204-5508-3301**

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.)	DO (ppm)
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MW-1	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	15.60	NA	180.29	NA	NA
MW-1	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	18.24	NA	177.65	NA	NA
MW-1	02/24/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	195.89	9.88	NA	186.01	NA	NA
MW-1	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	195.89	12.24	NA	183.65	NA	NA
MW-1	08/19/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	195.89	15.86	NA	180.03	NA	NA
MW-1	12/05/1996	160	NA	7.3	8.2	5.5	23	<2.5	NA	195.89	16.21	NA	179.68	NA	NA
MW-1	01/08/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	195.89	9.73	NA	186.16	NA	NA
MW-1	02/20/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	195.89	11.60	NA	184.29	NA	NA
MW-1	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.02	NA	180.87	NA	NA
MW-1	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.20	NA	178.69	NA	NA
MW-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	195.89	16.02	NA	179.87	NA	NA
MW-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	195.89	9.35	NA	186.54	NA	NA
MW-1	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	195.89	11.75	NA	184.14	NA	NA
MW-1	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	195.89	13.32	NA	182.57	NA	NA
MW-1	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.01	NA	181.88	NA	NA
MW-1	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.62	NA	180.27	NA	NA
MW-1	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.72	NA	181.17	NA	NA
MW-1	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.00	NA	178.89	NA	NA
MW-1	12/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.36	NA	177.53	NA	NA
MW-1	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.09	NA	180.80	NA	NA
MW-1	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	195.89	12.97	NA	182.92	NA	NA

MW-2	02/15/1990	ND	560	ND	ND	ND	ND	NA	NA	194.27	16.90	NA	177.37	NA	NA
MW-2	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.69	NA	176.58	NA	NA
MW-2	05/14/1990	ND	ND	ND	ND	ND	ND	NA	NA	194.27	18.01	NA	176.26	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**  
**Wic #204-5508-3301**

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.)	DO (ppm)
MW-2	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.39	NA	176.88	NA	NA
MW-2	09/12/1990	ND	ND	ND	ND	ND	ND	NA	NA	194.27	19.00	NA	175.27	NA	NA
MW-2	11/27/1990	ND	ND	ND	ND	ND	ND	NA	NA	194.27	19.44	NA	174.83	NA	NA
MW-2	03/08/1991	ND	ND	ND	ND	ND	ND	NA	NA	194.27	15.96	NA	178.31	NA	NA
MW-2	06/03/1991	ND	ND	ND	ND	ND	ND	NA	NA	194.27	17.00	NA	177.27	NA	NA
MW-2	08/30/1991	ND	ND	ND	ND	ND	ND	NA	NA	194.27	18.95	NA	175.32	NA	NA
MW-2	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	19.55	NA	174.72	NA	NA
MW-2	03/18/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	194.27	12.91	NA	181.36	NA	NA
MW-2	05/28/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	16.25	NA	178.02	NA	NA
MW-2	08/19/1992	<50	NA	<0.5	2	1.2	1.9	NA	NA	194.27	18.21	NA	176.06	NA	NA
MW-2	11/17/1992	<50	NA	<0.5	2	1.2	1.9	NA	NA	194.27	19.15	NA	175.12	NA	NA
MW-2	02/12/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	11.60	NA	182.67	NA	NA
MW-2	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	14.14	NA	180.13	NA	NA
MW-2	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	16.10	NA	178.17	NA	NA
MW-2	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	18.77	NA	175.50	NA	NA
MW-2	02/28/1994	<50	NA	<0.5	<0.5	<0.5	1.6	NA	NA	194.27	14.35	NA	179.92	NA	NA
MW-2	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	16.34	NA	177.93	NA	NA
MW-2	08/10/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	15.79	NA	178.48	NA	NA
MW-2	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	15.04	NA	179.23	NA	NA
MW-2	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	10.08	NA	184.19	NA	NA
MW-2	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	11.68	NA	182.59	NA	NA
MW-2	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	14.94	NA	179.33	NA	NA
MW-2	11/10/1995	<50	NA	1.7	0.8	1.4	4.9	NA	NA	194.27	13.36	NA	180.91	NA	NA
MW-2	02/24/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	194.27	9.90	NA	184.37	NA	NA
MW-2	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	194.27	11.80	NA	182.47	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-2	08/19/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	194.27	15.08	NA	179.19	NA	NA
MW-2	12/05/1996	<50	NA	1.5	1.6	1.2	5.2	<2.5	NA	194.27	15.16	NA	179.11	NA	NA
MW-2	01/08/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	194.27	9.76	NA	184.51	NA	NA
MW-2	02/20/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	194.27	11.47	NA	182.80	NA	NA
MW-2	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.30	NA	179.97	NA	NA
MW-2	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.33	NA	177.94	NA	NA
MW-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.54	NA	178.73	NA	NA
MW-2	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	194.27	9.43	NA	184.84	NA	NA
MW-2	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	194.27	11.45	NA	182.82	NA	NA
MW-2	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	194.27	12.71	NA	181.56	NA	NA
MW-2	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.98	NA	180.29	NA	NA
MW-2	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.01	NA	179.26	NA	NA
MW-2	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.93	NA	180.34	NA	NA
MW-2	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.22	NA	178.05	NA	NA
MW-2	12/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.58	NA	176.69	NA	NA
MW-2	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.10	NA	180.17	NA	NA
MW-2	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	194.27	12.72	NA	181.55	NA	NA

MW-3	02/15/1990	4,700	3,100	320	29	110	33	NA	NA	192.52	15.81	NA	176.71	NA	NA
MW-3	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.57	NA	175.95	NA	NA
MW-3	05/14/1990	1,400	60	130	8.6	40	17	NA	NA	192.52	16.97	NA	175.55	NA	NA
MW-3	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.27	NA	176.25	NA	NA
MW-3	09/12/1990	2,000	1,500	58	5.8	16	15	NA	NA	192.52	18.78	NA	173.74	NA	NA
MW-3	11/27/1990	540	240	18	1.5	8.7	2.5	NA	NA	192.52	18.27	NA	174.25	NA	NA
MW-3	03/08/1991	3,400	2,100	630	33	270	18	NA	NA	192.52	14.86	NA	177.66	NA	NA

**WELL CONCENTRATIONS**  
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
MW-3	06/03/1991	1,700	690a	260	13	98	24	NA	NA	192.52	15.84	NA	176.68	NA	NA
MW-3	08/30/1991	870	370a	44	6.1	10	2.9	NA	NA	192.52	17.79	NA	174.73	NA	NA
MW-3	11/22/1991	310	140	18	1.2	3.3	2.9	NA	NA	192.52	18.40	NA	174.12	NA	NA
MW-3	03/18/1992	67,100	1,900	620	28	220	38	NA	NA	192.52	12.03	NA	180.49	NA	NA
MW-3	05/28/1992	2,300	1,100a	200	9	71	17	NA	NA	192.52	15.16	NA	177.36	NA	NA
MW-3	08/19/1992	5,700	1,000a	71	77	52	130	NA	NA	192.52	17.03	NA	175.49	NA	NA
MW-3	11/17/1992	3,600	160a	16	8.6	24	50	NA	NA	192.52	17.94	NA	174.58	NA	NA
MW-3	02/12/1993	4,700	560a	820	58	130	77	NA	NA	192.52	9.16	NA	183.36	NA	NA
MW-3	06/10/1993	2,200	NA	310	23	89	23	NA	NA	192.52	13.20	NA	179.32	NA	NA
MW-3	08/18/1993	260	NA	27	2	7	2.2	NA	NA	192.52	14.93	NA	177.59	NA	NA
MW-3	11/19/1993	1,500a	NA	24	54	37	17	NA	NA	192.52	17.58	NA	174.94	NA	NA
MW-3	02/28/1994	2,700	NA	65	5.2	16	6.3	NA	NA	192.52	13.30	NA	179.22	NA	NA
MW-3	05/04/1994	780	NA	120	7.5	21	6.9	NA	NA	192.52	15.25	NA	177.27	NA	NA
MW-3	08/10/1994	920	NA	20	2.3	3	2.2	NA	NA	192.52	16.63	NA	175.89	NA	NA
MW-3	11/08/1994	1,300	NA	180	16	7	12	NA	NA	192.52	13.88	NA	178.64	NA	NA
MW-3	02/01/1995	1,400	NA	210	8.5	11	8.7	NA	NA	192.52	9.25	NA	183.27	NA	NA
MW-3	05/10/1995	460	NA	97	10	1	19	NA	NA	192.52	10.76	NA	181.74	NA	NA
MW-3	08/24/1995	640	NA	68	21	14	19	NA	NA	192.52	13.90	NA	178.62	NA	NA
MW-3	11/10/1995	350	NA	15	2.3	1.2	2.5	NA	NA	192.52	16.20	NA	176.32	NA	NA
MW-3	02/24/1996	3,300	NA	240	53	38	55	NA	NA	192.52	8.93	NA	183.59	NA	NA
MW-3	05/22/1996	1,300	NA	110	15	<10	<10	3,500	NA	192.52	10.86	NA	181.66	NA	NA
MW-3	08/19/1996	350	NA	15	3.3	3.4	3.3	340	NA	192.52	13.97	NA	178.55	NA	NA
MW-3	12/05/1996	290	NA	12	7.6	5.4	16	370	NA	192.52	14.06	NA	178.46	NA	NA
MW-3	02/20/1997	980	NA	69	7.9	14	15	3,200	NA	192.52	10.60	NA	181.92	NA	NA
MW-3	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.26	NA	179.26	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-3	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.21	NA	177.31	NA	NA
MW-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	192.52	14.49	NA	178.03	NA	NA
MW-3	01/20/1998	3,100	NA	360	1,000	73	420	59,000	NA	192.52	8.43	NA	184.09	NA	NA
MW-3	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	192.52	10.55	NA	181.97	NA	NA
MW-3	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	192.52	11.80	NA	180.72	NA	NA
MW-3	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	192.52	11.97	NA	180.55	NA	NA
MW-3	02/03/1999	<10,000	NA	840	131	<100	316	27,600	NA	192.52	13.55	NA	178.97	NA	2.3
MW-3	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	192.52	12.90	NA	179.62	NA	NA
MW-3	08/31/1999	1,550	NA	232	<10.0	125	293	4,620	2,460b	192.52	14.99	NA	177.53	NA	3.4
MW-3	12/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.35	NA	176.17	NA	NA
MW-3	02/11/2000	10,900	NA	1,030	<50.0	308	1,000	19,300	NA	192.52	12.85	NA	179.67	NA	1.0
MW-3	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	192.52	17.05	NA	175.47	NA	NA

MW-4	02/15/1990	ND	1,200	ND	ND	ND	ND	NA	NA	193.37	16.73	NA	176.65	0.00	NA
MW-4	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.48	NA	175.89	0.00	NA
MW-4	05/14/1990	650	350	160	7	1.9	3.1	NA	NA	193.37	17.88	NA	175.49	0.00	NA
MW-4	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.18	NA	176.19	0.00	NA
MW-4	09/12/1990	440	260	91	1.1	0.75	0.79	NA	NA	193.37	17.85	NA	175.52	0.00	NA
MW-4	11/27/1990	470	2,400	64	1.2	0.8	2.7	NA	NA	193.37	19.16	NA	174.21	0.00	NA
MW-4	03/08/1991	1,100	2,600	330	3.5	88	5.8	NA	NA	193.37	15.77	NA	177.60	0.00	NA
MW-4	06/03/1991	670	1,100	240	2.3	1.6	2.3	NA	NA	193.37	16.77	NA	176.60	0.00	NA
MW-4	08/30/1991	570	280	64	1.8	0.9	0.9	NA	NA	193.37	18.71	NA	174.66	0.00	NA
MW-4	11/22/1991	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	0.00	NA
MW-4	01/15/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	02/15/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**  
**Wic #204-5508-3301**

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.)	DO (ppm)
MW-4	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	13.15	NA	180.41	0.24	NA
MW-4	04/29/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	05/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.22	NA	177.25	0.12	NA
MW-4	08/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.05	NA	175.39	0.09	NA
MW-4	11/17/1992	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.89	NA	174.48	NA	NA
MW-4	02/12/1993	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.78	NA	181.59	<0.01	NA
MW-4	06/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.20	NA	179.17	0.02	NA
MW-4	08/18/1993	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.95	NA	177.43	0.01	NA
MW-4	11/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.48	NA	174.90	0.01	NA
MW-4	02/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.60	NA	178.77	0.01	NA
MW-4	05/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.15	NA	177.22	<0.01	NA
MW-4	08/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.58	NA	175.81	0.02	NA
MW-4	11/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.05	NA	178.36	0.05	NA
MW-4	02/01/1995	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.71	NA	182.69	0.04	NA
MW-4	05/10/1995	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.90	NA	181.52	0.06	NA
MW-4	08/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.97	NA	178.42	0.02	NA
MW-4	11/10/1995	4,700	NA	100	22	23	38	NA	NA	193.37	17.27	NA	176.10	<0.01	NA
MW-4	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.44	NA	182.95	0.03	NA
MW-4	05/22/1996	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.88	NA	181.51	0.03	NA
MW-4	08/19/1996	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.23	NA	178.16	0.02	NA
MW-4	12/05/1996	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.70	NA	178.69	0.02	NA
MW-4	01/08/1997	<10,000	NA	<100	<100	<100	<100	24,000	NA	193.37	11.60	NA	181.79	0.02	NA
MW-4	02/20/1997	<10,000	NA	490	<100	<100	<100	59,000	NA	193.37	11.91	NA	181.46	NA	NA
MW-4	05/30/1997	<2,000	NA	72	<20	<20	<20	6,100	NA	193.37	14.68	NA	178.69	NA	NA
MW-4	08/18/1997	<5,000	NA	150	570	<50	130	31,000	NA	193.37	15.07	NA	178.30	NA	NA

**WELL CONCENTRATIONS**  
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO (ppm)
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MW-4	11/03/1997	32,000	NA	1,100	6,100	640	3,600	78,000	NA	193.37	15.87	NA	177.50	NA	NA
MW-4	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.25	NA	183.62	0.62	NA
MW-4	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.62	NA	181.80	0.06	NA
MW-4	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	13.93	NA	179.51	0.09	NA
MW-4	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.07	14.03	179.33	0.04	NA
MW-4	12/09/1998	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.84	15.81	177.55	0.03	NA
MW-4	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.58	15.55	177.81	0.03	NA
MW-4	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.04	14.02	179.35	0.02	NA
MW-4	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.15	16.12	177.24	0.03	NA
MW-4	12/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.41	17.31	176.04	0.10	NA
MW-4	02/11/2000	47,200	NA	905	<200	479	3,690	27,400	30,300b	193.37	14.82	NA	178.55	NA	0.6
MW-4	05/04/2000	30,800	NA	1,650	<100	574	3,310	28,600	31,200b	193.37	12.64	NA	180.73	NA	2.1

MW-5	08/30/1991	ND	80	ND	ND	ND	ND	NA	NA	190.35	16.74	NA	173.61	NA	NA
MW-5	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	17.27	NA	173.08	NA	NA
MW-5	03/18/1992	<30	<50	<0.3	<0.3	<0.3	<0.3	NA	NA	190.35	11.28	NA	179.07	NA	NA
MW-5	05/28/1992	Well Inaccessible		NA	NA	NA	NA	NA	NA	190.35	NA	NA	NA	NA	NA
MW-5	08/19/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	15.99	NA	174.36	NA	NA
MW-5	11/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	16.84	NA	173.51	NA	NA
MW-5	02/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	10.30	NA	180.05	NA	NA
MW-5	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	12.36	NA	177.99	NA	NA
MW-5	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	14.02	NA	176.33	NA	NA
MW-5	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	16.50	NA	173.85	NA	NA
MW-5	02/28/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	12.55	NA	177.80	NA	NA
MW-5	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	14.27	NA	176.08	NA	NA

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MW-5	08/10/1994	70a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	15.60	NA	174.75	NA	NA
MW-5	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	12.85	NA	177.50	NA	NA
MW-5	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	8.98	NA	181.37	NA	NA
MW-5	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	10.16	NA	180.19	NA	NA
MW-5	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	12.98	NA	177.37	NA	NA
MW-5	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	190.35	15.12	NA	175.23	NA	NA
MW-5	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	190.35	NA	NA	NA	NA	NA
MW-5	05/22/1996	<2,000	NA	<20	<20	<20	<20	NA	NA	190.35	10.10	NA	180.25	NA	NA
MW-5	08/19/1996	<2,500	NA	<25	<25	<25	<25	NA	NA	190.35	13.09	NA	177.26	NA	NA
MW-5	12/05/1996	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	NA	190.35	13.31	NA	177.04	NA	NA
MW-5	02/20/1997	<1,000	NA	<10	<10	<10	<10	NA	NA	190.35	9.55	NA	180.80	NA	NA
MW-5	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.40	NA	177.95	NA	NA
MW-5	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	190.35	14.19	NA	176.16	NA	NA
MW-5	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	190.35	13.66	NA	176.69	NA	NA
MW-5	01/20/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	1,600	NA	190.35	8.06	NA	182.29	NA	NA
MW-5	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	190.35	9.95	NA	180.40	NA	NA
MW-5	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	190.35	11.10	NA	179.25	NA	NA
MW-5	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.21	NA	178.14	NA	NA
MW-5	02/03/1999	<500	NA	<5.00	<5.00	<5.00	<5.00	2850	NA	190.35	12.99	NA	177.36	NA	2.4
MW-5	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.08	NA	178.27	NA	NA
MW-5	08/31/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4,260	NA	190.35	14.05	NA	176.30	NA	2.7
MW-5	12/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	190.35	15.41	NA	174.94	NA	NA
MW-5	02/11/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	190.35	12.42	NA	177.93	NA	1.7
MW-5	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	190.35	11.13	NA	179.22	NA	NA

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MW-6	09/21/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	14.64	NA	174.41	NA	NA
MW-6	11/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	02/28/1994	98a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	12.18	NA	176.87	NA	NA
MW-6	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	13.62	NA	175.43	NA	NA
MW-6	08/10/1994	80a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	14.98	NA	174.07	NA	NA
MW-6	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.20	NA	176.85	NA	NA
MW-6	02/01/1995	120	NA	3.5	21	3.4	22	NA	NA	189.05	8.70	NA	180.35	NA	NA
MW-6	05/10/1995	NA	NA	NA	NA	NA	NA	NA	NA	189.05	9.86	NA	179.19	NA	NA
MW-6	08/24/1995	80	NA	<0.5	<0.5	1.8	2.4	NA	NA	189.05	12.46	NA	176.59	NA	NA
MW-6	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	14.56	NA	174.49	NA	NA
MW-6	11/10/1995	60	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	189.05	14.56	NA	174.49	NA	NA
MW-6	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	290	NA	189.05	10.23	NA	178.82	NA	NA
MW-6	08/19/1996	<1,250	NA	<12	<12	<12	<12	1,100	NA	189.05	12.61	NA	176.44	NA	NA
MW-6	12/05/1996	<125	NA	<1.2	<1.2	<1.2	<1.2	440	NA	189.05	12.47	NA	176.58	NA	NA
MW-6	02/20/1997	<100	NA	<1.0	<1.0	<1.0	<1.0	480	NA	189.05	9.85	NA	179.20	NA	NA
MW-6	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	189.05	11.96	NA	177.09	NA	NA
MW-6	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	189.05	13.65	NA	175.40	NA	NA
MW-6	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	01/20/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	340	NA	189.05	7.76	NA	181.29	NA	NA
MW-6	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	189.05	9.85	NA	179.20	NA	NA
MW-6	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	189.05	10.99	NA	178.06	NA	NA
MW-6	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	189.05	11.36	NA	177.69	NA	NA
MW-6	02/03/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	06/04/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA

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MW-6	06/22/1999	<5,000	NA	<50.0	<50.0	<50.0	<50.0	2,800	NA	189.05	12.15	NA	176.90	NA	2.1
MW-6	08/31/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	3,390	NA	189.05	13.62	NA	175.43	NA	2.5
MW-6	12/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.98	NA	174.07	NA	NA
MW-6	02/11/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	189.05	12.00	NA	177.05	NA	1.1
MW-6	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	189.05	10.94	NA	178.44	NA	NA

T-1	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	12/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA

T-2	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA

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T-2	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	12/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA

BH-A	09/09/1993	4,900	2,900a	18	<5	54	11	NA	NA	NA	16.50	NA	NA	NA	NA
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BH-B	09/09/1993	<50	150	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	15.85	NA	NA	NA	NA
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BH-C	09/10/1993	640a	100	3.5	<0.5	0.6	<0.5	NA	NA	NA	15.80	NA	NA	NA	NA
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BH-D	09/10/1993	24,000a	25,000a	720	86	44	11	NA	NA	NA	14.20	NA	NA	NA	NA
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**Oakland, CA**  
**Wic #204-5508-3301**

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.)	DO (ppm)
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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

DO = Dissolved Oxygen

ug/L = parts per billion

ppm = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable

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

Notes:

a = Chromatogram patterns indicate an unidentified hydrocarbon.

b = Sample was analyzed outside the EPA recommended holding time.



# Sequoia Analytical

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

31 May, 2000

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

RE: 6039 College Ave.  
Sequoia Report: MJE0209

Enclosed are the results of analyses for samples received by the laboratory on 05/05/00 16:59. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Ted Terrasas  
Project Manager

CA ELAP Certificate #1210







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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	MJE0209-01	Water	05/04/00 13:40	05/05/00 16:59





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

**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
<b>MW-4 (MJE0209-01) Water. Sampled: 05/04/00 13:40 Received: 05/05/00 16:59</b>									
Purgeable Hydrocarbons	30800	10000	ug/l	200	0F17007	05/17/00	05/17/00	DHS LUFT	P-01
Benzene	1650	100	"	"	"	"	"	"	"
Toluene	ND	100	"	"	"	"	"	"	"
Ethylbenzene	574	100	"	"	"	"	"	"	"
Xylenes (total)	3310	100	"	"	"	"	"	"	"
Methyl tert-butyl ether	28600	500	"	"	"	"	"	"	"
Surrogate: <i>a,a,a-Trifluorotoluene</i>		86.8 %		70-130	"	"	"	"	"





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

**MTBE by EPA Method 8260A  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-4 (MJE0209-01) Water</b> Sampled: 05/04/00 13:40 Received: 05/05/00 16:59									<b>H-02</b>
<b>Methyl tert-butyl ether</b>	<b>31200</b>	<b>1000</b>	<b>ug/l</b>	<b>1000</b>	<b>0E27001</b>	<b>05/25/00</b>	<b>05/26/00</b>	<b>EPA 8260A</b>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<b>99.3 %</b>	<b>70-130</b>		<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

**Semivolatile Organic Compounds by EPA Method 8270B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-4 (MJE0209-01) Water Sampled: 05/04/00 13:40 Received: 05/05/00 16:59</b>									
Acenaphthene	ND	25.0	ug/l	5	0E10027	05/10/00	05/11/00	EPA 8270B	
Acenaphthylene	ND	25.0	"	"	"	"	"	"	
Anthracene	ND	25.0	"	"	"	"	"	"	
Benzoic acid	ND	50.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	25.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	25.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	25.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	25.0	"	"	"	"	"	"	
Benzo[a]pyrene	ND	25.0	"	"	"	"	"	"	
Benzyl alcohol	ND	25.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	25.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	25.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	25.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	50.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	25.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	25.0	"	"	"	"	"	"	
4-Chloroaniline	ND	50.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	25.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	25.0	"	"	"	"	"	"	
2-Chlorophenol	ND	25.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	25.0	"	"	"	"	"	"	
Chrysene	ND	25.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	25.0	"	"	"	"	"	"	
Dibenzofuran	ND	25.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	50.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	25.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	25.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	25.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	50.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	25.0	"	"	"	"	"	"	
Diethyl phthalate	ND	25.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	25.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	25.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	50.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	50.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	25.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	25.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	25.0	"	"	"	"	"	"	





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

**Semivolatile Organic Compounds by EPA Method 8270B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-4 (MJE0209-01) Water</b> <b>Sampled: 05/04/00 13:40</b> <b>Received: 05/05/00 16:59</b>									
Fluoranthene	ND	25.0	ug/l	5	0E10027	05/10/00	05/11/00	EPA 8270B	
Fluorene	ND	25.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	25.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	25.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	50.0	"	"	"	"	"	"	
Hexachloroethane	ND	25.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	25.0	"	"	"	"	"	"	
Isophorone	ND	25.0	"	"	"	"	"	"	
<b>2-Methylnaphthalene</b>	<b>43.1</b>	25.0	"	"	"	"	"	"	
2-Methylphenol	ND	25.0	"	"	"	"	"	"	
4-Methylphenol	ND	25.0	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>213</b>	25.0	"	"	"	"	"	"	
2-Nitroaniline	ND	50.0	"	"	"	"	"	"	
3-Nitroaniline	ND	50.0	"	"	"	"	"	"	
4-Nitroaniline	ND	50.0	"	"	"	"	"	"	
Nitrobenzene	ND	25.0	"	"	"	"	"	"	
2-Nitrophenol	ND	25.0	"	"	"	"	"	"	
4-Nitrophenol	ND	50.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	25.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	25.0	"	"	"	"	"	"	
Pentachlorophenol	ND	50.0	"	"	"	"	"	"	
Phenanthrene	ND	25.0	"	"	"	"	"	"	
Phenol	ND	25.0	"	"	"	"	"	"	
Pyrene	ND	25.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	25.0	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	50.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	25.0	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		65.0 %		21-110	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		43.5 %		19-110	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		106 %		35-114	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		110 %		43-116	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		126 %		10-123	"	"	"	"	S-03
<i>Surrogate: p-Terphenyl-d14</i>		81.0 %		33-141	"	"	"	"	





Blaine Tech Services (Shell)  
1686 Rogers Avenue  
San Jose CA, 95112

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

**Conventional Chemistry Parameters by APHA/EPA Methods  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-4 (MJE0209-01) Water    Sampled: 05/04/00 13:40    Received: 05/05/00 16:59</b>									
TRPH	13.5	5.00	mg/l	1	0E18004	05/18/00	05/18/00	SM 5520B/F	





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

Reported:  
05/31/00 08:02

## 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
<b>Batch 0E17007 - EPA 5030B [P/T]</b>										
<b>Blank (0E17007-BLK1)</b>										
Prepared & Analyzed: 05/17/00										
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	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.40		"	10.0		84.0	70-130			
<b>LCS (0E17007-BS1)</b>										
Prepared & Analyzed: 05/17/00										
Purgeable Hydrocarbons	242	50.0	ug/l	250		96.8	70-130			
Benzene	4.23	0.500	"				70-130			
Toluene	17.6	0.500	"				70-130			
Ethylbenzene	4.22	0.500	"				70-130			
Xylenes (total)	20.8	0.500	"				70-130			
Methyl tert-butyl ether	5.63	2.50	"				70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.25		"	10.0		92.5	70-130			
<b>Matrix Spike (0E17007-MS1)</b>										
Source: MJE0214-02										
Prepared & Analyzed: 05/17/00										
Purgeable Hydrocarbons	244	50.0	ug/l	250	ND	97.6	60-140			
Benzene	4.42	0.500	"		ND		60-140			
Toluene	17.6	0.500	"		ND		60-140			
Ethylbenzene	4.45	0.500	"		ND		60-140			
Xylenes (total)	21.8	0.500	"		ND		60-140			
Methyl tert-butyl ether	6.62	2.50	"		ND		60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.3		"	10.0		103	70-130			
<b>Matrix Spike Dup (0E17007-MSD1)</b>										
Source: MJE0214-02										
Prepared & Analyzed: 05/17/00										
Purgeable Hydrocarbons	247	50.0	ug/l	250	ND	98.8	60-140	1.22	25	
Benzene	4.54	0.500	"		ND		60-140	2.68	25	
Toluene	18.1	0.500	"		ND		60-140	2.80	25	
Ethylbenzene	4.47	0.500	"		ND		60-140	0.448	25	
Xylenes (total)	22.0	0.500	"		ND		60-140	0.913	25	
Methyl tert-butyl ether	6.38	2.50	"		ND		60-140	3.69	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.7		"	10.0		107	70-130			





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

**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
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**Batch 0E27001 - EPA 5030B [P/T]**

**Blank (0E27001-BLK1)**

Prepared & Analyzed: 05/26/00

Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130			

**LCS (0E27001-BS1)**

Prepared & Analyzed: 05/26/00

Methyl tert-butyl ether	8.88	1.00	ug/l	10.0		88.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.87		"	10.0		98.7	70-130			

**Matrix Spike (0E27001-MS1)**

Source: MJD0431-03

Prepared & Analyzed: 05/26/00

Methyl tert-butyl ether	1830	100	ug/l	1000	669	116	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	70-130			

**Matrix Spike Dup (0E27001-MSD1)**

Source: MJD0431-03

Prepared & Analyzed: 05/26/00

Methyl tert-butyl ether	1910	100	ug/l	1000	669	124	70-130	4.28	25	
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	70-130			







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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

Reported:  
05/31/00 08:02

**Semivolatile Organic Compounds by EPA Method 8270B - Quality Control  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0E10027 - EPA 3510B**

**Blank (0E10027-BLK1)**

Prepared: 05/10/00 Analyzed: 05/11/00

Acenaphthene	ND	5.00	ug/l							
Acenaphthylene	ND	5.00	"							
Anthracene	ND	5.00	"							
Benzoic acid	ND	10.0	"							
Benzo (a) anthracene	ND	5.00	"							
Benzo (b) fluoranthene	ND	5.00	"							
Benzo (k) fluoranthene	ND	5.00	"							
Benzo (ghi) perylene	ND	5.00	"							
Benzo[a]pyrene	ND	5.00	"							
Benzyl alcohol	ND	5.00	"							
Bis(2-chloroethoxy)methane	ND	5.00	"							
Bis(2-chloroethyl)ether	ND	5.00	"							
Bis(2-chloroisopropyl)ether	ND	5.00	"							
Bis(2-ethylhexyl)phthalate	ND	10.0	"							
4-Bromophenyl phenyl ether	ND	5.00	"							
Butyl benzyl phthalate	ND	5.00	"							
4-Chloroaniline	ND	10.0	"							
2-Chloronaphthalene	ND	5.00	"							
4-Chloro-3-methylphenol	ND	5.00	"							
2-Chlorophenol	ND	5.00	"							
4-Chlorophenyl phenyl ether	ND	5.00	"							
Chrysene	ND	5.00	"							
Dibenz (a,h) anthracene	ND	5.00	"							
Dibenzofuran	ND	5.00	"							
Di-n-butyl phthalate	ND	10.0	"							
1,2-Dichlorobenzene	ND	5.00	"							
1,3-Dichlorobenzene	ND	5.00	"							
1,4-Dichlorobenzene	ND	5.00	"							
3,3'-Dichlorobenzidine	ND	10.0	"							
2,4-Dichlorophenol	ND	5.00	"							
Diethyl phthalate	ND	5.00	"							
2,4-Dimethylphenol	ND	5.00	"							
Dimethyl phthalate	ND	5.00	"							
4,6-Dinitro-2-methylphenol	ND	10.0	"							

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.*





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

## Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch 0E10027 - EPA 3510B

#### Blank (0E10027-BLK1)

Prepared: 05/10/00 Analyzed: 05/11/00

2,4-Dinitrophenol	ND	10.0	ug/l							
2,4-Dinitrotoluene	ND	5.00	"							
2,6-Dinitrotoluene	ND	5.00	"							
Di-n-octyl phthalate	ND	5.00	"							
Fluoranthene	ND	5.00	"							
Fluorene	ND	5.00	"							
Hexachlorobenzene	ND	5.00	"							
Hexachlorobutadiene	ND	5.00	"							
Hexachlorocyclopentadiene	ND	10.0	"							
Hexachloroethane	ND	5.00	"							
Indeno (1,2,3-cd) pyrene	ND	5.00	"							
Isophorone	ND	5.00	"							
2-Methylnaphthalene	ND	5.00	"							
2-Methylphenol	ND	5.00	"							
4-Methylphenol	ND	5.00	"							
Naphthalene	ND	5.00	"							
2-Nitroaniline	ND	10.0	"							
3-Nitroaniline	ND	10.0	"							
4-Nitroaniline	ND	10.0	"							
Nitrobenzene	ND	5.00	"							
2-Nitrophenol	ND	5.00	"							
4-Nitrophenol	ND	10.0	"							
N-Nitrosodiphenylamine	ND	5.00	"							
N-Nitrosodi-n-propylamine	ND	5.00	"							
Pentachlorophenol	ND	10.0	"							
Phenanthrene	ND	5.00	"							
Phenol	ND	5.00	"							
Pyrene	ND	5.00	"							
1,2,4-Trichlorobenzene	ND	5.00	"							
2,4,5-Trichlorophenol	ND	10.0	"							
2,4,6-Trichlorophenol	ND	5.00	"							
Surrogate: 2-Fluorophenol	130		"	200		65.0	21-110			
Surrogate: Phenol-d6	93.0		"	200		46.5	10-110			
Surrogate: Nitrobenzene-d5	203		"	200		102	35-114			

Sequoia Analytical - Morgan Hill

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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

Reported:  
05/31/00 08:02

## Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch 0E10027 - EPA 3510B

#### Blank (0E10027-BLK1)

Prepared: 05/10/00 Analyzed: 05/11/00

Surrogate: 2-Fluorobiphenyl	192		ug/l	200		96.0	43-116			
Surrogate: 2,4,6-Tribromophenol	234		"	200		117	10-123			
Surrogate: p-Terphenyl-d14	141		"	200		70.5	33-141			

#### LCS (0E10027-BS1)

Prepared: 05/10/00 Analyzed: 05/11/00

Acenaphthene	210	5.00	ug/l	200		105	46-118			
4-Chloro-3-methylphenol	200	5.00	"	200		100	23-97			Q-01
2-Chlorophenol	169	5.00	"	200		84.5	27-123			
1,4-Dichlorobenzene	196	5.00	"	200		98.0	36-97			Q-01
2,4-Dinitrotoluene	208	5.00	"	200		104	24-96			Q-01
4-Nitrophenol	17.9	10.0	"	200		8.95	10-80			Q-01
N-Nitrosodi-n-propylamine	210	5.00	"	200		105	41-116			
Pentachlorophenol	142	10.0	"	200		71.0	9-103			
Phenol	90.6	5.00	"	200		45.3	12-110			
Pyrene	224	5.00	"	200		112	26-127			
1,2,4-Trichlorobenzene	209	5.00	"	200		105	39-98			Q-01
Surrogate: 2-Fluorophenol	92.4		"	200		46.2	21-110			
Surrogate: Phenol-d6	83.3		"	200		41.7	10-110			
Surrogate: Nitrobenzene-d5	206		"	200		103	35-114			
Surrogate: 2-Fluorobiphenyl	199		"	200		99.5	43-116			
Surrogate: 2,4,6-Tribromophenol	239		"	200		120	10-123			
Surrogate: p-Terphenyl-d14	162		"	200		81.0	33-141			

#### LCS Dup (0E10027-BSD1)

Prepared: 05/10/00 Analyzed: 05/11/00

Acenaphthene	189	5.00	ug/l	200		94.5	46-118	10.5	30	
4-Chloro-3-methylphenol	189	5.00	"	200		94.5	23-97	5.66	30	
2-Chlorophenol	167	5.00	"	200		83.5	27-123	1.19	30	
1,4-Dichlorobenzene	175	5.00	"	200		87.5	36-97	11.3	30	
2,4-Dinitrotoluene	195	5.00	"	200		97.5	24-96	6.45	30	Q-01
4-Nitrophenol	75.6	10.0	"	200		37.8	10-80	123	30	Q-07
N-Nitrosodi-n-propylamine	201	5.00	"	200		101	41-116	4.38	30	
Pentachlorophenol	167	10.0	"	200		83.5	9-103	16.2	30	
Phenol	93.4	5.00	"	200		46.7	12-110	3.04	30	
Pyrene	202	5.00	"	200		101	26-127	10.3	30	
1,2,4-Trichlorobenzene	190	5.00	"	200		95.0	39-98	9.52	30	





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

**Semivolatile Organic Compounds by EPA Method 8270B - Quality Control  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0E10027 - EPA 3510B**

**LCS Dup (0E10027-BSD1)**

Prepared: 05/10/00 Analyzed: 05/11/00

Surrogate: 2-Fluorophenol	123		ug/l	200		61.5	21-110			
Surrogate: Phenol-d6	83.9		"	200		42.0	10-110			
Surrogate: Nitrobenzene-d5	182		"	200		91.0	35-114			
Surrogate: 2-Fluorobiphenyl	172		"	200		86.0	43-116			
Surrogate: 2,4,6-Tribromophenol	225		"	200		113	10-123			
Surrogate: p-Terphenyl-d14	137		"	200		68.5	33-141			





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 0E18004 - General Prep</b>										
<b>Blank (0E18004-BLK1)</b>										
					Prepared & Analyzed: 05/18/00					
TRPH	ND	5.00	mg/l							
<b>LCS (0E18004-BS1)</b>										
					Prepared & Analyzed: 05/18/00					
TRPH	8.10	5.00	mg/l	10.0		81.0	70-130			
<b>LCS Dup (0E18004-BSD1)</b>										
					Prepared & Analyzed: 05/18/00					
TRPH	8.30	5.00	mg/l	10.0		83.0	70-130	2.44	30	





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

Project: 6039 College Ave.  
Project Number: 6039 College Ave.  
Project Manager: Nick Sudano

**Reported:**  
05/31/00 08:02

## Notes and Definitions

- H-02 This sample was analyzed outside of EPA recommended hold time.
- P-01 Chromatogram Pattern: Gasoline C6-C12
- Q-01 The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
- 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-03 The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
- 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









## EQUIVA WELL MONITORING DATA SHEET

Project #: 000407-51	Job # 204-5508-3301
Sampler: Josh	Date: 4-7-00
Well I.D.: MW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 24.70	Depth to Water: $\approx$ 10.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>RVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method: Bailer  
 Middleburg  
 Electric Submersible   
 Extraction Pump  
 Other: \_\_\_\_\_

Sampling Method: Bailer  
 Extraction Port  
 Other: \_\_\_\_\_

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						Start purge @ 11:20
						Purge rate approx 2.5 gal per min. (Slow recharge)
						End purge @ 12:05

Did well dewater? Yes  No  Gallons actually evacuated: 160

Sampling Time: \_\_\_\_\_ Sampling Date: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_ Laboratory: Sequoia  BC Other \_\_\_\_\_

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

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

## EQUIVA WELL MONITORING DATA SHEET

Project #: <u>000407-32</u>	Job # <u>204-5508-3301</u>
Sampler: <u>Josh</u>	Date: <u>4-7-00</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>24.31</u>	Depth to Water: <u>12.02</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method:  Bailer  Middleburg  Electric Submersible  Extraction Pump  
Other: \_\_\_\_\_

Sampling Method:  Bailer  Extraction Port  
Other: \_\_\_\_\_

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
		<u>Start purge @ 12:10</u>			<u>Purge rate ≈ 2.5 GPM</u>	
		<u>End purge @ 12:55</u>				
		<u>* checked for SPH w/ I.P. (none found)</u>				
		<u>* removed skimmer to purge.</u>				
		<u>* emptied skimmer - (no SPH)</u>				

Did well dewater? Yes  No  Gallons actually evacuated: 160

Sampling Time: \_\_\_\_\_ Sampling Date: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_ Laboratory: Sequoia BC Other \_\_\_\_\_

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

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



## EQUIVA WELL MONITORING DATA SHEET

Project #: <u>000413 F2</u>	Job #: <u>204-SS08-3301</u>
Sampler: <u>MIKE S.</u>	Date: <u>4-13-00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>24.80</u>	Depth to Water: <u>11.42</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method: Bailer  
~~Middleburg~~  
~~Electric Submersible~~  
~~Extraction Pump~~  
 Other: \_\_\_\_\_

Sampling Method: Bailer  
Extraction Port  
 Other: \_\_\_\_\_

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						* started purge @ 1134
						* ended purge @ 1210
					120 gal.	

Did well dewater? Yes  No  Gallons actually evacuated: 120

Sampling Time: \_\_\_\_\_ Sampling Date: 4-13-00

Sample I.D.: MW-3 Laboratory: Sequoia BC Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-L 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:

## EQUIVA WELL MONITORING DATA SHEET

Project #: <b>000413 F2</b>	Job #: <b>204-5508-3301</b>
Sampler: <b>MIKE S.</b>	Date: <b>4-13-00</b>
Well I.D.: <b>MW-4</b>	Well Diameter: 2 3 <b>4</b> 6 8
Total Well Depth: <b>24.42</b>	Depth to Water: <b>12.61</b>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>PVC</b> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method:  Bailer  Middleburg  Electric Submersible Extraction Pump  Other: \_\_\_\_\_

Sampling Method:  Bailer  Extraction Port  Other: \_\_\_\_\_

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
				1220		started purge @
				1300		ended purge @
						* removed skimmer to purge

Did well dewater? Yes  **No**  Gallons actually evacuated: **110**

Sampling Time: \_\_\_\_\_ Sampling Date: **4-13-00**

Sample I.D.: **MW-4** Laboratory:  Seneca  BC  Other: \_\_\_\_\_

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

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



# EQUIVA WELL MONITORING DATA SHEET

Project #: <u>000418N-2</u>	Job # <u>204-5503-3301</u>
Sampler: <u>GT</u>	Date: <u>4/18/00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>24.78</u>	Depth to Water: <u>11.08</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method:  Bailer  
 Middleburg  
 Electric Submersible Extraction Pump  
 Other: \_\_\_\_\_

Sampling Method:  Bailer  
 Extraction Port  
 Other: \_\_\_\_\_

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>14:10</u>		<u>Weekly</u>	<u>Purge</u>	<u>Begin</u>		<u>purged at 4:10pm</u>
<u>14:55</u>						

Did well dewater? Yes  No  Gallons actually evacuated: ~~\_\_\_\_\_~~ 180

Sampling Time: \_\_\_\_\_ Sampling Date: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_ Laboratory: Sequoia BC Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-E 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:

# EQUIVA WELL MONITORING DATA SHEET

Project #: <u>000418N-2</u>	Job # <u>204-5508-3301</u>
Sampler: <u>OT</u>	Date: <u>4/18/00</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>24.24</u>	Depth to Water: <u>11.88</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method: Bailer      Sampling Method: Bailer  
Middleburg      Extraction Port  
Electric Submersible       Other: \_\_\_\_\_  
Extraction Pump  
 Other: \_\_\_\_\_

	X		Gals.
1 Case Volume (Gals.)	Specified Volumes	Calculate Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<del>15:00</del>						Checked for product but none could be properly seen
						did weekly purge & cleaned pump extra well
15:00						Began weekly purge 5 gpm
15:45						

Did well dewater? Yes  No       Gallons actually evacuated: ~~225~~ 225

Sampling Time: \_\_\_\_\_      Sampling Date: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_      Laboratory: Sequoia    BC    Other \_\_\_\_\_

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

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





## EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000426-43</u>	Site: <u>204-5508-3301</u>
Sampler: <u>Sanjiv</u>	Date: <u>04-26-00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>25.00</u>	Depth to Water: <u>13.62</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |  |   |
|--|---|
| Bailer<br>Disposable Bailer<br>Middleburg<br><u>Electric Submersible</u> | Waterra<br>Peristaltic<br>Extraction Pump<br>Other: _____ |
|--|---|

Sampling Method:

- Bailer
- Disposable Bailer
  - Extraction Port
  - Dedicated Tubing

Other: \_\_\_\_\_

	(Gals.) X _____ = _____ Gals.	
I 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 <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						<u>45 min purge</u>
						<u>start time = 11:25</u>
						<u>stop time = 12:10</u>
						<u>at ~ 7 gal/min purge</u>

Did well dewater? Yes  No  Gallons actually evacuated: 315

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 #: <u>000426-43</u>	Site: <u>204-5568-3301</u>
Sampler: <u>Sanjiv</u>	Date: <u>09-26-00</u>
Well I.D.: <u>AW-4</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>24.45</u>	Depth to Water: <u>12.74</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |                             |                 |
|-----------------------------|-----------------|
| Bailer                      | Waterra         |
| Disposable Bailer           | Peristaltic     |
| Middleburg                  | Extraction Pump |
| <u>Electric Submersible</u> | 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	radius <sup>2</sup> * 0.163

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						<u>45 min purge</u>
						<u>start time = 12:20</u>
						<u>stop time = 13:05</u>
						<u>13:10 removed skimmer no SPH</u>
						<u>paused off loaded water 12:40 re-started 12:45</u>
						<u>tried to empty skimmer but nothing came out skimmer might not be working</u>
						<u>7 gal/min purge</u>

Did well dewater? Yes  No  Gallons actually evacuated: 315

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

WELL GAUGING DATA

Project # 000504-21 Date 5-4-00 Client Shell

Site 6039 College Ave. 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	4					12.97	24.41	TOC
mw-2	4					12.72	24.15	}
mw-3	4	slight odor				17.05	24.70	
mw-4	4	odor	—	—	—	12.64	24.32	
mw-5	4					11.13	28.48	
mw-6	2					10.94	24.12	
T-1	4					Dry	4.14	
T-2	4					Dry	7.91	

## EQUIVA WELL MONITORING DATA SHEET

BTS #: 000504-22	Site: 204-5508-3301
Sampler: BF	Date: 5-4-00
Well I.D.: MW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 24.70	Depth to Water: 17.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>Bailer</li> <li>Disposable Bailer</li> <li>Middleburg</li> <li><u>Electric Submersible</u></li> </ul> | <ul style="list-style-type: none"> <li>Waterra</li> <li>Peristaltic</li> <li>Extraction Pump</li> <li>Other _____</li> </ul> |
|--|--|

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	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:35		weekly	Purge	45 min		
13:20		"ENDED"				

Did well dewater? Yes  No  Gallons actually evacuated: 160

Sampling Time: \_\_\_\_\_ Sampling Date: \_\_\_\_\_

Sample I.D.: MW-3 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 #: 000504-22	Site: 204-5508-3301
Sampler: BF	Date: 5-4-00
Well I.D.: MW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 24.32	Depth to Water: 12.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |  |  |
|--|--|
| Bailer<br>Disposable Bailer<br>Middleburg<br><u>Electric Submersible</u> | Waterra<br>Peristaltic<br>Extraction Pump<br>Other _____ |
|--|--|

Sampling Method:

- Bailer
- |  |              |
|--|--------------|
| Disposable Bailer<br>Extraction Port<br>Dedicated Tubing | Other: _____ |
|--|--------------|

$7.5 \text{ (Gals.)} \times 3 = 22.5 \text{ Gals.}$   
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	<u>4"</u>	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:34	64.7	6.5	618	48	8	"ODOR"
13:35	64.9	6.7	652	27	14	↓
13:36	65.0	6.7	695	32	23	

Did well dewater? Yes No      Gallons actually evacuated: 23

Sampling Time: 13:40      Sampling Date: 5-4-00

Sample I.D.: MW-4      Laboratory: Sequoia Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: EPA 8270, oil & grease

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: 2.1 mg/L

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

## EQUIVA WELL MONITORING DATA SHEET

BTS #: 000504-22	Site: 204-5508-3301
Sampler: BF	Date: 5-4-00
Well I.D.: MW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible

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	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:47		weekly Purge		45 min		
14:38		"ENDED"				
Emptied Skimmer - No CPH detected						

Did well dewater? Yes  No  Gallons actually evacuated: 150

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:







## EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000509-42</u>	Site: <u>204-5508-3301</u>
Sampler: <u>Sanjiv</u>	Date: <u>05-09-00</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>24.15</u>	Depth to Water: <u>13.17</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>Bailer</li> <li>Disposable Bailer</li> <li>Middleburg</li> <li>Electric Submersible <input checked="" type="checkbox"/></li> </ul> | <ul style="list-style-type: none"> <li>Waterra</li> <li>Peristaltic</li> <li>Extraction Pump</li> <li>Other _____</li> </ul> |
|---|--|

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: \_\_\_\_\_

<u>7.1</u>	(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	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						Start time 10:35
						End time 11:20
						45 min purge

Did well dewater? Yes  No  Gallons actually evacuated: 315

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
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## EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000517-43</u>	Site: <u>204-5508-3801</u>
Sampler: <u>Sanjiv</u>	Date: <u>05-17-00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>24.83</u>	Depth to Water: <u>11.74</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible

Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method: Bailer

Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

8.5 (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	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						start time 8:25
						dewatered at 8:35, 8:40 DTW = 11.59
						started purging 2nd time 8:41
						dewatered at 8:43, 8:48 DTW = 22.04
						<del>dewatered at 8:53 = DTW = 12.40</del> <del>DTW = 13.40 at 8:58</del>
						Started purging 3rd time 8:59      End time 9:10

Did well dewater?  Yes    No    Gallons actually evacuated: 138

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:

## EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>060517-43</u>	Site: <u>204-5508-3301</u>
Sampler: <u>Sanjiv</u>	Date: <u>05-17-06</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>24.35</u>	Depth to Water: <u>13.32</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- 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	radius <sup>2</sup> * 0.163

7.1 (Gals.) X \_\_\_\_\_ = \_\_\_\_\_ Gals.

↓ Case Volume      Specified Volumes      Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
	<u>Start time</u>					
	<u>9:25</u>					<u>45 min purge</u>
	<u>End time</u>					
	<u>10:10</u>					

Did well dewater? Yes  No      Gallons actually evacuated: 270

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 #: <u>000522-U1</u>	Site: <u>204-5508-3301</u>
Sampler: <u>Sanjiv</u>	Date: <u>05-22-00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>27.85</u>	Depth to Water: <u>12.86</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Bailer</li> <li><input type="checkbox"/> Disposable Bailer</li> <li><input type="checkbox"/> Middleburg</li> <li><input checked="" type="checkbox"/> <u>Electric Submersible</u></li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Waterra</li> <li><input type="checkbox"/> Peristaltic</li> <li><input type="checkbox"/> Extraction Pump</li> <li><input type="checkbox"/> Other _____</li> </ul> |
|---|--|

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	radius <sup>2</sup> * 0.163

<u>7.7</u> (Gals.) X _____	= _____ Gals.	
1 Case Volume	Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						<u>start time 7:15</u>
						<u>End time 8:15</u>
						<u>45 min purge</u>

Did well dewater? Yes   No Gallons actually evacuated: 200

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 #: <u>000522-01</u>	Site: <u>204-5508-3301</u>
Sampler: <u>Sanjiv</u>	Date: <u>05-22-00</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>24.42</u>	Depth to Water: <u>13.63</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing

Other: \_\_\_\_\_

7.0 (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	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						Start time 8:20
						End time 9:05
						Emptied skimmer seen <u>~ 2 gallon of water</u> <del>no</del> no SPH

Did well dewater? Yes  No  Gallons actually evacuated: 200

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 #: <u>000601 fl</u>	Site: <u>204-5508-3301</u>
Sampler: <u>MIKE S.</u>	Date: <u>6-1-00</u>
Well I.D.: <del>12000</del> <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>24.75</u>	Depth to Water: <u>16.43</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |  |  |
|--|--|
| <input type="checkbox"/> Bailer                          | <input type="checkbox"/> Waterra         |
| <input type="checkbox"/> Disposable Bailer               | <input type="checkbox"/> Peristaltic     |
| <input type="checkbox"/> Middleburg                      | <input type="checkbox"/> Extraction Pump |
| <input checked="" type="checkbox"/> Electric Submersible | <input type="checkbox"/> Other _____     |

Sampling Method:

- |  |
|--|
| <input checked="" type="checkbox"/> Bailer |
| <input type="checkbox"/> Disposable Bailer |
| <input type="checkbox"/> Extraction Port   |
| <input type="checkbox"/> 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	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						started purge @ 915
						Ended purge @ 1000
						Purged 120 gal.

Did well dewater? Yes  No  Gallons actually evacuated: 120

Sampling Time: \_\_\_\_\_ Sampling Date: 6-1-00

Sample I.D.: MW-3 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 #: <u>000601 F1</u>	Site: <u>204-5508-3301</u>
Sampler: <u>MIKES.</u>	Date: <u>6-1-00</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>24.31</u>	Depth to Water: <u>13.62</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |  |  |
|--|--|
| <input type="checkbox"/> Bailer                          | <input type="checkbox"/> Waterra         |
| <input type="checkbox"/> Disposable Bailer               | <input type="checkbox"/> Peristaltic     |
| <input type="checkbox"/> Middleburg                      | <input type="checkbox"/> Extraction Pump |
| <input checked="" type="checkbox"/> Electric Submersible | <input type="checkbox"/> 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	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
						Heavy Sheen
				started purge @ 1025		
				ended purge @ 1110		
				Purged 125 gal.		

Did well dewater? Yes  No  Gallons actually evacuated: 125

Sampling Time: \_\_\_\_\_ Sampling Date: \_\_\_\_\_

Sample I.D.: MW-4 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