

STN 9/28
D14

C A M B R I A

December 19, 2000

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

Re: **Fourth Quarter 2000 Monitoring Report**
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #98996067
Cambria Project #242-0504-002



Dear Mr. Peacock:

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.

FOURTH QUARTER 2000 ACTIVITIES

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

Dual-Phase Vacuum Extraction: Cambria initiated monthly dual-phase vacuum extraction (DVE) on wells MW-5 and MW-6 to facilitate hydrocarbon removal in groundwater. Groundwater extraction mass removal data is presented in Table 1. Vapor extraction mass removal data is presented in Table 2.

Oakland, CA
San Ramon, CA
Sonoma, CA

ANTICIPATED FIRST QUARTER 2001 ACTIVITIES

**Cambria
Environmental
Technology, Inc.**

Groundwater Monitoring: Blaine will gauge and sample all wells, measure dissolved oxygen concentrations in all wells, and tabulate the data. Cambria will prepare a monitoring report.

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

Monthly DVE: Monthly DVE will be performed on wells MW-5 and MW-6. Groundwater and vapor extraction mass removal data will be presented in the first quarter 2001 monitoring report.

Site Investigation: Cambria completed site investigation activities on June 26 and June 27, 2000. A site investigation report and risk-based corrective action Tier II evaluation are forthcoming.

CLOSING

We appreciate the opportunity to work with you on this project. Please call Darren Croteau at (510) 420-3331 if you have any questions or comments.



Sincerely,
Cambria Environmental Technology, Inc

Darren Croteau
Project Geologist

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

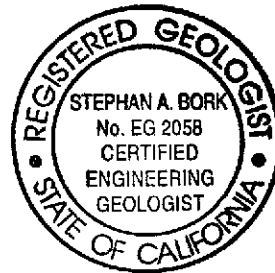


Figure: 1 - Groundwater Elevation Contour Map

Tables: 1 - Groundwater Extraction - Mass Removal Data
2 - Vapor Extraction - Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

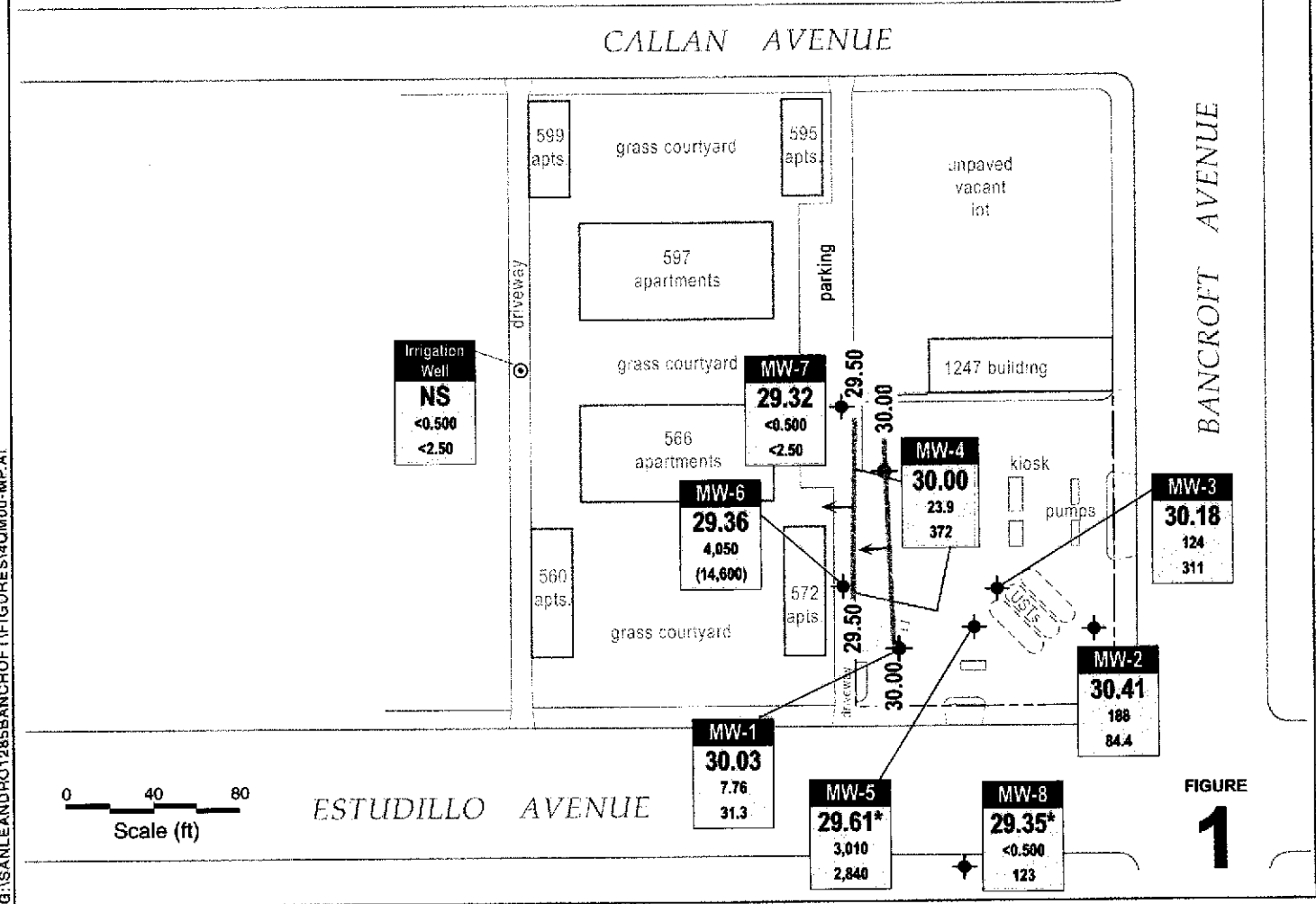
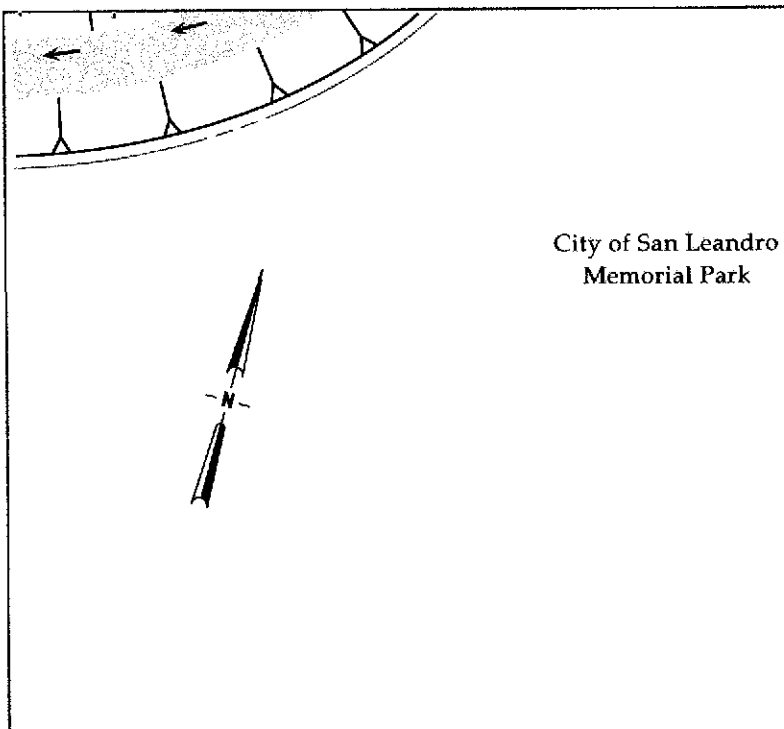
cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Mike Bakaldin, City of San Leandro, 835 East 14th Street, San Leandro, California 94577

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EXPLANATION

- MW-1 ◆ Monitoring well location
- ⊙ Irrigation well location
- NS Not surveyed
- * 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
- ← Creek flow direction

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; MTBE results in parentheses are analyzed by EPA Method 8260.
MTBE	



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Shell-branded Service Station
 1285 Bancroft Avenue
 San Leandro, California
 Incident #98996067



Groundwater Elevation Contour Map
 October 19, 2000

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					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)
09/02/98	MW-1	130	130	07/15/98	< 50	< 0.00005	< 0.00005	2.5	0.00000	0.00000	12	0.00001	0.00001
07/30/99	MW-1	0	130	07/22/99	< 50	< 0.00000	< 0.00005	< 0.500	< 0.00000	< 0.00000	2.17	0.00000	0.00001
08/05/99	MW-1	0	130	07/22/99	< 50	< 0.00000	< 0.00005	< 0.500	< 0.00000	< 0.00000	2.17	0.00000	0.00001
08/11/99	MW-1	0	130	07/22/99	< 50	< 0.00000	< 0.00005	< 0.500	< 0.00000	< 0.00000	2.17	0.00000	0.00001
08/12/99	MW-1	0	130	07/22/99	< 50	< 0.00000	< 0.00005	< 0.500	< 0.00000	< 0.00000	2.17	0.00000	0.00001
08/13/99	MW-1	400	530	07/22/99	< 50	< 0.00017	< 0.00022	< 0.500	< 0.00000	< 0.00000	2.17	0.00001	0.00002
08/19/99	MW-1	278	808	07/22/99	< 50	< 0.00012	< 0.00034	< 0.500	< 0.00000	< 0.00001	2.17	0.00001	0.00003
08/30/99	MW-1	240	1048	07/22/99	< 50	< 0.00010	< 0.00044	< 0.500	< 0.00000	< 0.00001	2.17	0.00000	0.00003
09/09/99	MW-1	247	1295	07/22/99	< 50	< 0.00010	< 0.00054	< 0.500	< 0.00000	< 0.00001	2.17	0.00000	0.00003
09/02/98	MW-3	240	240	07/18/98	31,000	0.06208	0.06208	1,100	0.00220	0.00220	3,700	0.00741	0.00741
07/30/99	MW-3	0	130	07/22/99	1,970	0.00000	0.06208	51.2	0.00000	0.00220	109	0.00000	0.00741
08/05/99	MW-3	0	130	07/22/99	1,970	0.00000	0.06208	51.2	0.00000	0.00220	109	0.00000	0.00741
08/11/99	MW-3	0	530	07/22/99	1,970	0.00000	0.06208	51.2	0.00000	0.00220	109	0.00000	0.00741
08/12/99	MW-3	100	908	07/22/99	1,970	0.00164	0.06373	51.2	0.00004	0.00225	109	0.00009	0.00750
08/13/99	MW-3	450	1,358	07/22/99	1,970	0.00740	0.07112	51.2	0.00019	0.00244	109	0.00041	0.00791
08/19/99	MW-3	269	1,627	07/22/99	1,970	0.00442	0.07555	51.2	0.00011	0.00255	109	0.00024	0.00815
08/30/99	MW-3	204	1,831	07/22/99	1,970	0.00335	0.07890	51.2	0.00009	0.00264	109	0.00019	0.00834
09/09/99	MW-3	232	2,063	07/22/99	1,970	0.00381	0.08271	51.2	0.00010	0.00274	109	0.00021	0.00855
09/02/98	MW-5	147	147	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000
07/30/99	MW-5	0	147	07/22/99	97,200	0.00000	0.00000	4,580	0.00000	0.00000	4,330	0.00000	0.00000
08/05/99	MW-5	0	147	07/22/99	97,200	0.00000	0.00000	4,580	0.00000	0.00000	4,330	0.00000	0.00000
08/11/99	MW-5	0	147	07/22/99	97,200	0.00000	0.00000	4,580	0.00000	0.00000	4,330	0.00000	0.00000
08/12/99	MW-5	0	147	07/22/99	97,200	0.00000	0.00000	4,580	0.00000	0.00000	4,330	0.00000	0.00000
08/13/99	MW-5	100	247	07/22/99	97,200	0.08111	0.08111	4,580	0.00382	0.00382	4,330	0.00361	0.00361

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE			
					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)	
08/19/99	MW-5	247	494	07/22/99	97,200	0.20033	0.28144	4,580	0.00944	0.01326	4,330	0.00892	0.01254	
08/30/99	MW-5	0	494	07/22/99	97,200	0.00000	0.28144	4,580	0.00000	0.01326	4,330	0.00000	0.01254	
09/09/99	MW-5	65	559	07/22/99	97,200	0.05272	0.33416	4,580	0.00248	0.01575	4,330	0.00235	0.01489	
11/28/00	MW-5	324	883	07/12/00	106,000	0.28658	0.62074	3,840	0.01038	0.02613	3,280	0.00887	0.02375	
11/28/00	MW-6	365	365	07/12/00	27,300	0.08315	0.08315	4,000	0.01218	0.01218	12,900	0.03929	0.03929	
Total Gallons Extracted:			4,038	Total Pounds Removed:			< 0.78714	Total Pounds Removed:			< 0.04106	Total Pounds Removed:		0.07163
				Total Gallons Removed:			< 0.12904				< 0.00562			0.01155

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/10⁶µg) 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 ECI. Water disposed of at a Martinez Refinery.

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

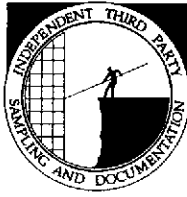
Date	Well ID	Interval Hours of Operation (hours)	System Flow Rate (CFM)	Hydrocarbon Concentrations			<u>TPHg</u>		<u>Benzene</u>		<u>MTBE</u>	
				TPHg	Benzene	MTBE	TPHg Removal Rate	Cumulative TPHg Removed	Benzene Removal Rate	Cumulative Benzene Removed	MTBE Removal Rate	Cumulative MTBE Removed
				(Concentrations in ppmv)			(#/hour)	(#)	(#/hour)	(#)	(#/hour)	(#)
11/28/00	MW-5	4.00	6.8	0.000			0.000	0.000	0.000	0.000	0.000	0.000
	MW-5			0.000			0.000	0.000	0.000	0.000	0.000	0.000
11/28/00	MW-6	2.00	5.6	0.000			0.000	0.000	0.000	0.000	0.000	0.000
	MW-6			0.000			0.000	0.000	0.000	0.000	0.000	0.000
Total Pounds Removed:							TPHg =	0.000	Benzene =	0.000	MTBE =	0.000

Abbreviations and Notes:

CFM = Cubic feet per minute
 TPHg = Total petroleum hydrocarbons as gasoline (C6-C12) by modified EPA Method 8015 in 1 liter tedlar bag samples
 ppmv = Parts per million by volume
 # = Pounds
 TPHG, Benzene, and MTBE analyzed by EPA Method 8015/8020 in 1 liter tedlar bag samples
 TPHg / Benzene / MTBE removal rate = Rate based on Bay Area Air Quality Management District's Manual of Procedures for Soil Vapor Extraction dated July 17, 1991.
 (Rate = Concentration (ppmv) x system flow rate (cfm) x (1lb-mole/386ft3) x molecular weight (86 lb/lb-mole for TPHg, 78 lb/lb-mole for benzene, 88 lb/lb-mole for MTBE) x 60 min/hour x 1/1,000,000)
 Cumulative TPHg / Benzene / MTBE removal = Previous removal rate multiplied by the hour-interval of operation plus the previous total

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

November 30, 2000

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

Fourth Quarter 2000 Groundwater Monitoring at
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Monitoring performed on October 19, 2000

Groundwater Monitoring Report 001019-X-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, 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.

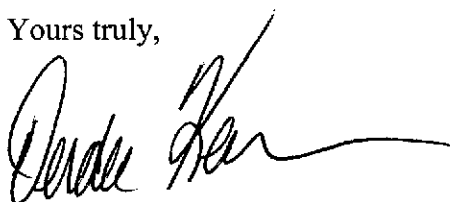
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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 Fourth 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 Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA
Wic #204-6852-0703

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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MW-1	03/13/1990	NA	NA	NA	NA	NA	NA	NA	NA	66.29	42.65	23.64	NA
MW-1	06/12/1990	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.14	23.15	NA
MW-1	09/13/1990	NA	NA	NA	NA	NA	NA	NA	NA	66.29	44.71	21.58	NA
MW-1	12/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	66.29	45.23	21.06	NA
MW-1	03/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.32	22.97	NA
MW-1	06/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	66.29	42.18	24.11	NA
MW-1	09/17/1991	50a	160a	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	44.85	21.44	NA
MW-1	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	41.56	24.73	NA
MW-1	06/03/1992	<50	NA	0.8	<0.5	0.9	<0.5	NA	NA	66.29	40.74	25.55	NA
MW-1	09/01/1992	<50	NA	<0.5	5.8	5.3	7.2	NA	NA	66.29	43.05	23.24	NA
MW-1	12/07/1992	68	NA	<0.5	0.8	<0.5	1.2	NA	NA	66.29	44.19	22.10	NA
MW-1	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	34.96	31.33	NA
MW-1 (D)	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	34.96	31.33	NA
MW-1	06/22/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	36.75	29.54	NA
MW-1	09/09/1993	200a	NA	16	5.2	2	<0.5	NA	NA	66.29	39.36	26.93	NA
MW-1	12/13/1993	89a	NA	3.4	<0.5	<0.5	<0.5	NA	NA	66.29	40.74	25.55	NA
MW-1	03/03/1994	65a	NA	2.6	<0.5	<0.5	<0.5	NA	NA	66.29	38.40	27.89	NA
MW-1	07/27/1994	180	NA	30	1.8	2.6	5	NA	NA	66.90	40.49	26.41	NA
MW-1 (D)	07/27/1994	240	NA	25	2.2	2.2	4	NA	NA	66.90	40.49	26.41	NA
MW-1	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.90	40.84	26.06	NA
MW-1	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	66.90	41.98	24.92	NA
MW-1	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.90	41.34	25.56	NA
MW-1	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.90	42.06	24.84	NA
MW-1	01/04/1995	<50	NA	2.4	<0.5	<0.5	<0.5	NA	NA	66.90	39.90	27.00	NA
MW-1 (D)	01/04/1995	<50	NA	2.5	<0.5	<0.5	<0.5	NA	NA	66.90	39.90	27.00	NA
MW-1	04/14/1995	<50	NA	<0.5	0.5	<0.5	<0.5	NA	NA	66.90	31.02	35.88	NA

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA
Wic #204-6852-0703

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1 (D)	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.90	31.02	35.88	NA
MW-1	07/12/1995	<50	NA	1.2	0.8	<0.5	<0.5	NA	NA	66.90	34.61	32.29	NA
MW-1	12/14/1995	380	NA	230	9	1.1	49	NA	NA	66.90	39.24	27.66	NA
MW-1	01/10/1996	60	NA	3.5	<0.5	<0.5	0.5	NA	NA	66.90	38.34	28.56	NA
MW-1	04/25/1996	<50	NA	3.3	2.4	1.2	5.4	NA	NA	66.90	31.95	34.95	NA
MW-1	07/09/1996	810	NA	29	7.3	<5.0	11	1,800	NA	66.90	34.45	32.45	NA
MW-1	10/02/1996	<125	NA	3.1	<1.2	<1.2	<1.2	960	NA	66.90	37.72	29.18	NA
MW-1	01/09/1997	<250	NA	<2.5	<2.5	<2.5	<2.5	510	NA	66.90	32.25	34.65	NA
MW-1	04/09/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	130	NA	66.90	32.90	34.00	NA
MW-1	07/02/1997	<250	NA	60	7.6	4.2	18	1,300	NA	66.90	36.65	30.25	NA
MW-1	10/24/1997	<500	NA	140	<5.0	12	40	2,600	NA	66.90	39.75	27.15	4.5
MW-1	01/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	170	NA	66.90	36.31	30.59	4.0
MW-1 b	04/14/1998	72	NA	0.82	4.9	1.8	13	2.7	NA	66.90	26.37	40.53	2.2
MW-1	07/15/1998	<50	NA	2.5	1.5	<0.50	<0.50	12	NA	66.90	31.23	35.67	2.4
MW-1	10/13/1998	<50	NA	3.2	0.69	<0.50	1.1	29	NA	66.90	35.69	31.21	1.3
MW-1	01/22/1999	567	NA	79.7	120	21.4	99.9	193	190	66.90	35.32	31.58	1.2
MW-1	04/16/1999	<50	NA	0.69	1.1	1.2	<0.50	8.2	NA	66.90	31.76	35.14	1.0
MW-1	07/22/1999	<50	NA	<0.500	<0.500	<0.500	<0.500	<5.00	2.17	66.90	23.21	43.69	2.1/2.0
MW-1	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	66.90	33.27	33.63	2.2/2.1
MW-1	01/07/2000	<50.0	NA	0.631	0.577	<0.500	1.25	14.1	NA	66.90	38.17	28.73	d
MW-1	04/05/2000	153	NA	12.4	21.2	6.65	28.3	50.1	NA	66.90	30.45	36.45	2.0/2.3
MW-1	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	66.90	34.29	32.61	4.4/3.8
MW-1	10/19/2000	129	NA	7.76	19.6	7.84	33.3	31.3	NA	66.90	36.87	30.03	3.9/4.7
MW-2	03/01/1992	910	<50	11	5.2	50	140	NA	NA	66.91	41.57	25.34	NA
MW-2	06/03/1992	1,400	NA	33	16	150	240	NA	NA	66.91	40.56	26.35	NA

WELL CONCENTRATIONS
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San Leandro, CA
Wic #204-6852-0703

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	09/01/1992	230	NA	5.2	4.1	15	19	NA	NA	66.91	42.94	23.97	NA
MW-2 (D)	09/01/1992	320	NA	5.6	5	18	220	NA	NA	66.91	42.94	23.97	NA
MW-2	12/07/1992	240	NA	1.5	1.3	9.5	9.9	NA	NA	66.91	44.13	22.78	NA
MW-2 (D)	12/07/1992	<50	NA	1.7	1	13	12	NA	NA	66.91	44.13	22.78	NA
MW-2	03/01/1993	230	NA	260	310	27	66	NA	NA	66.91	34.82	32.09	NA
MW-2	06/22/1993	220	NA	18	3.4	3.6	5.2	NA	NA	66.91	36.64	30.27	NA
MW-2 (D)	06/22/1993	320	NA	29	4.8	4.2	6.1	NA	NA	66.91	36.64	30.27	NA
MW-2	09/09/1993	260	NA	18	4.6	16	12	NA	NA	66.91	39.24	27.67	NA
MW-2 (D)	09/09/1993	210	NA	16	3.9	14	9.1	NA	NA	66.91	39.24	27.67	NA
MW-2	12/13/1993	1,300a	NA	82	34	73	15	NA	NA	66.91	40.64	26.27	NA
MW-2 (D)	12/13/1993	1,400a	NA	110	45	72	19	NA	NA	66.91	40.64	26.27	NA
MW-2	03/03/1994	9,600	NA	1,200	600	390	710	NA	NA	66.91	38.98	27.93	NA
MW-2 (D)	03/03/1994	10,000	NA	930	500	330	590	NA	NA	66.91	38.98	27.93	NA
MW-2	07/27/1994	190	NA	<0.5	1	<0.5	<0.5	NA	NA	66.91	40.40	26.51	NA
MW-2	08/09/1994	1,500	NA	53.5	12.4	46.2	44	NA	NA	66.91	40.71	26.20	NA
MW-2	10/05/1994	<485	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	66.91	41.89	25.02	NA
MW-2	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.22	25.69	NA
MW-2	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.99	24.92	NA
MW-2	01/04/1995	1,300	NA	150	35	23	51	NA	NA	66.91	39.81	27.10	NA
MW-2	04/14/1995	5,000	NA	1,000	340	400	810	NA	NA	66.91	30.83	36.08	NA
MW-2	07/12/1995	4,500	NA	440	170	170	290	NA	NA	66.91	34.50	32.41	NA
MW-2 (D)	07/12/1995	4,300	NA	430	160	160	280	NA	NA	66.91	34.50	32.41	NA
MW-2	12/14/1995	37,000	NA	1,800	7,600	1,000	6,700	NA	NA	66.91	39.22	27.69	NA
MW-2 (D)	12/14/1995	34,000	NA	1,800	6,600	1,000	6,500	NA	NA	66.91	39.22	27.69	NA
MW-2	01/10/1996	69,000	NA	1,000	3,200	510	3,300	NA	NA	66.91	38.22	28.69	NA
MW-2 (D)	01/10/1996	78,000	NA	1,100	3,500	560	3,600	NA	NA	66.91	38.22	28.69	NA

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Wic #204-6852-0703

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	04/25/1996	11,000	NA	820	880	210	1,400	NA	NA	66.91	31.78	35.13	NA
MW-2 (D)	04/25/1996	9,300	NA	690	710	160	1,200	NA	NA	66.91	31.78	35.13	NA
MW-2	07/09/1996	100,000	NA	15,000	24,000	1,700	9,900	70,000	NA	66.91	34.35	32.56	NA
MW-2 (D)	07/09/1996	86,000	NA	12,000	19,000	1,400	7,500	32,000	NA	66.91	34.35	32.56	NA
MW-2	10/02/1996	82,000	NA	20,000	32,000	1,800	9,100	40,000	NA	66.91	37.56	29.35	NA
MW-2 (D)	10/02/1996	89,000	NA	19,000	31,000	1,700	8,900	42,000	NA	66.91	37.56	29.35	NA
MW-2	01/09/1997	17,000	NA	710	2,300	350	2,200	4,000	NA	66.91	32.07	34.84	NA
MW-2 (D)	01/09/1997	12,000	NA	490	1,300	260	1,800	2,800	NA	66.91	32.07	34.84	NA
MW-2	04/09/1997	20,000	NA	970	3,500	330	2,000	3,200	NA	66.91	32.78	34.13	NA
MW-2	07/02/1997	28,000	NA	1,700	8,700	550	3,000	5,500	NA	66.91	36.56	30.35	NA
MW-2 (D)	07/02/1997	32,000	NA	2,000	11,000	680	3,800	6,400	NA	66.91	36.56	30.35	NA
MW-2	10/24/1997	14,000	NA	460	1,000	300	2,000	3,000	NA	66.91	39.74	27.17	3.2
MW-2 (D)	10/24/1997	14,000	NA	420	980	270	2,000	2,800	NA	66.91	39.74	27.17	3.2
MW-2	01/08/1998	180	NA	2.8	1.6	<0.50	<0.50	7.6	NA	66.91	36.13	30.78	3.6
MW-2 b	04/14/1998	12,000	NA	92	1,500	260	1,900	110	NA	66.91	26.15	40.76	4.6
MW-2	07/15/1998	36,000	NA	250	5,600	830	6,000	6,800	NA	66.91	31.14	35.77	4.8
MW-2 (D)	07/15/1998	35,000	NA	230	5,600	860	600	570	NA	66.91	31.14	35.77	4.8
MW-2	10/13/1998	100	NA	7	12	3.7	10	5.8	NA	66.91	36.14	30.77	0.8
MW-2	01/22/1999	21,000	NA	701	3,330	960	5,420	772	620	66.91	35.97	30.94	1.0
MW-2	04/16/1999	14,000	NA	200	1,600	560	3,300	330	NA	66.91	31.52	35.39	1.0
MW-2	07/22/1999	1,410	NA	28.3	91.2	50.4	256	35.3	15.2	66.91	26.14	40.77	2.1/2.5
MW-2	12/08/1999	<50.0	NA	1.45	1.34	1.15	5.31	5.08	NA	66.91	37.72	29.19	2.1/2.5
MW-2	01/07/2000	743	NA	18.6	47.0	3.06	166	30.3	NA	66.91	38.14	28.77	1.4/1.8
MW-2	04/05/2000	2,320	NA	60.9	101	115	606	62.5	NA	66.91	30.46	36.45	1.7/1.9
MW-2	07/12/2000	12,100	NA	325	555	793	3,610	260	NA	66.91	34.13	32.78	4.1/4.6
MW-2	10/19/2000	4,840	NA	188	267	318	1,370	84.4	NA	66.91	36.50	30.41	4.8/2.6

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	42.00	24.31	NA
MW-3	06/03/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	44.30	22.01	NA
MW-3	09/01/1992	<50	NA	<0.5	<0.5	1.1	3.2	NA	NA	66.31	43.62	22.69	NA
MW-3	12/07/1992	52	NA	<0.5	<0.5	<0.5	0.5	NA	NA	66.31	44.77	21.54	NA
MW-3	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	35.50	30.81	NA
MW-3	06/22/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	37.30	29.01	NA
MW-3	09/09/1993	50a	NA	5	<0.5	<0.5	<0.5	NA	NA	66.31	39.90	26.41	NA
MW-3	12/13/1993	120a	NA	7.5	<0.5	1.6	6.3	NA	NA	66.31	41.30	25.01	NA
MW-3	03/03/1994	<50	NA	0.81	<0.5	<0.5	<0.5	NA	NA	66.31	38.32	27.99	NA
MW-3	07/27/1994	<50	NA	3.5	<0.5	<0.5	<0.5	NA	NA	67.52	41.07	26.45	NA
MW-3	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.37	26.15	NA
MW-3	10/05/1994	<57	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	67.52	42.55	24.97	NA
MW-3	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.86	25.66	NA
MW-3	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	67.52	42.59	24.93	NA
MW-3	01/04/1995	<50	NA	6	<0.5	<0.5	<0.5	NA	NA	67.52	40.54	26.98	NA
MW-3	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	67.52	31.50	36.02	NA
MW-3	07/12/1995	90	NA	16	<0.5	<0.5	<0.5	NA	NA	67.52	35.14	32.38	NA
MW-3	12/14/1995	4,600	NA	460	390	34	1,000	NA	NA	67.52	39.86	27.66	NA
MW-3	01/10/1996	11,000	NA	470	460	68	670	NA	NA	67.52	39.98	27.54	NA
MW-3	04/25/1996	5,500	NA	830	910	<50	460	NA	NA	67.52	32.38	35.14	NA
MW-3	07/09/1996	72,000	NA	7,600	14,000	970	5,900	59,000	NA	67.52	34.93	32.59	NA
MW-3	10/02/1996	77,000	NA	15,000	24,000	2,000	9,600	94,000	71,000	67.52	38.20	29.32	NA
MW-3	01/09/1997	130	NA	15	16	2	9.7	80	NA	67.52	32.81	34.71	NA
MW-3	04/09/1997	24,000	NA	2,900	5,300	420	2,200	4,100	NA	67.52	33.42	34.10	NA
MW-3 (D)	04/09/1997	24,000	NA	3,000	5,600	450	2,300	4,700	NA	67.52	33.42	34.10	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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MW-3	07/02/1997	68,000	NA	7,400	18,000	1,600	8,700	16,000	NA	67.52	37.22	30.30	NA
MW-3	10/24/1997	93,000	NA	1,800	8,500	2,300	14,000	3,100	NA	67.52	40.75	26.77	1.8
MW-3	01/08/1998	16,000	NA	140	870	22	5,000	120	NA	67.52	36.90	30.62	2.1
MW-3 (D)	01/08/1998	24,000	NA	100	840	26	5,600	<100	NA	67.52	36.90	30.62	2.1
MW-3 b	04/14/1998	100,000	NA	270	5,000	2,100	17,000	890	NA	67.52	26.92	40.60	1.8
MW-3 (D) b	04/14/1998	49,000	NA	230	3,200	1,200	8,900	790	NA	67.52	26.92	40.60	1.8
MW-3	07/15/1998	31,000	NA	1,100	3,300	300	2,800	3,700	NA	67.52	31.74	35.78	2
MW-3	10/13/1998	51,000	NA	3,100	12,000	7,630	6,800	6,200	NA	67.52	35.61	31.91	2.1
MW-3 (D)	10/13/1998	88,000	NA	5,800	21,000	1,400	12,000	9200	NA	67.52	35.61	31.91	2.1
MW-3	01/22/1999	25,100	NA	855	4,400	786	5,260	1,850	1,500	67.52	35.29	32.23	0.8
MW-3	04/16/1999	7,800	NA	150	550	160	1,100	370	NA	67.52	32.29	35.23	1.0
MW-3	07/22/1999	1,970	NA	51.2	160	43.1	286	179	109	67.52	26.67	40.85	3.1/3.0
MW-3	12/08/1999	12,500	NA	171	537	141	1,260	717	NA	67.52	38.34	29.18	3.1/2.9
MW-3	01/07/2000	6,020	NA	<10.0	929	177	1,170	217	NA	67.52	38.87	28.65	3.2/2.6
MW-3	04/05/2000	3,890	NA	120	351	67.8	576	231	NA	67.52	31.08	36.44	3.4/3.8
MW-3	07/12/2000	23,300	NA	592	4,690	672	4,620	1,340	NA	67.52	34.80	32.72	0.4/3.7
MW-3	10/19/2000	6,280	NA	124	1,280	229	1,510	311	NA	67.52	37.34	30.18	2.1/2.9

MW-4	07/27/1994	120	NA	3.4	3.9	0.6	4.9	NA	NA	68.08	41.78	26.30	NA
MW-4	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	68.08	42.09	25.99	NA
MW-4	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	68.08	43.25	24.83	NA
MW-4 (D)	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	68.08	43.25	24.83	NA
MW-4	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	68.08	42.54	25.54	NA
MW-4	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	68.08	43.34	24.74	NA
MW-4	01/04/1995	<50	NA	1.4	<0.5	<0.5	<0.5	NA	NA	68.08	41.57	26.51	NA
MW-4	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	68.08	32.24	35.84	NA

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MW-4	07/12/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	68.08	35.88	32.20	NA
MW-4	12/14/1995	70	NA	0.6	<0.5	<0.5	<0.5	NA	NA	68.08	40.54	27.54	NA
MW-4	01/10/1996	280	NA	3.7	1	<0.5	0.8	NA	NA	68.08	39.59	28.49	NA
MW-4	04/25/1996	<500	NA	63	<5.0	<5.0	<5.0	NA	NA	68.08	33.22	34.86	NA
MW-4	07/09/1996	<2,000	NA	160	<20	<20	<20	5,300	NA	68.08	35.70	32.38	NA
MW-4	10/02/1996	<5,000	NA	480	<50	<50	<50	19,000	NA	68.08	38.95	29.13	NA
MW-4	01/09/1997	<2,000	NA	43	<20	<20	<20	7,000	NA	68.08	33.04	35.04	NA
MW-4	04/09/1997	<2,500	NA	120	<25	<25	<25	8,100	NA	68.08	34.15	33.93	NA
MW-4	07/02/1997	<2,000	NA	81	<20	<20	<20	6,600	NA	68.08	37.92	30.16	NA
MW-4	10/24/1997	<500	NA	90	<5.0	11	6.3	3,200	NA	68.08	41.00	27.08	2.1
MW-4	01/08/1998	<50	NA	3.9	<0.50	<0.50	<0.50	1,800	NA	68.08	37.54	30.54	2.2
MW-4 b	04/14/1998	920	NA	<0.50	<0.50	<0.50	<0.50	27	NA	68.08	27.75	40.33	1.2
MW-4	07/15/1998	2,100	NA	160	76	120	190	2,600	NA	68.08	32.47	35.61	1.8
MW-4	10/13/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	17	NA	68.08	36.75	31.33	1.1
MW-4	01/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7	13	68.08	36.41	31.67	1.6
MW-4	04/16/1999	1,800	NA	92	35	110	200	1,800	2,750	68.08	33.00	35.08	1.2
MW-4	07/22/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	68.08	27.59	40.49	NA
MW-4	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	22.6	NA	68.08	39.04	29.04	2.5/2.6
MW-4	01/07/2000	871	NA	39.4	69.0	71.6	99.6	1,030	NA	68.08	39.35	28.73	1.2/1.2
MW-4	04/05/2000	475	NA	26.9	5.24	19.8	41.5	681	NA	68.08	31.28	36.80	1.6/1.8
MW-4	07/12/2000	1,040	NA	35.7	6.95	125	104	1,040	NA	68.08	35.52	32.56	0.5/4.9
MW-4	10/19/2000	944	NA	23.9	6.57	122	109	372	NA	68.08	38.08	30.00	2.3/1.4
MW-5*	06/04/1999	159,000	NA	7,190	39,300	2,450	16,700	<5,000	NA	66.50	33.48	33.02	1.7
MW-5	06/04/1999	80,400	NA	4,400	26,000	1,480	11,000	3,660	NA	66.50	33.48	33.02	1.9
MW-5	07/22/1999	97,200	NA	4,580	25,600	1,580	10,100	<5,000	4,330	66.50	33.29	33.21	1.7/1.8

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MW-5	12/08/1999	72,000	NA	3,360	16,600	1,560	8,320	3,460	NA	66.50	37.80	28.70	1.7/1.9
MW-5	01/07/2000	104,000	NA	5,370	30,400	2,500	13,900	3,330	NA	66.50	38.40	28.10	1.6/1.2
MW-5	04/05/2000	99,700	NA	5,710	37,000	2,410	14,200	10,800	NA	66.50	30.72	35.78	1.7/1.5
MW-5	07/12/2000	106,000	NA	3,840	38,200	2,980	18,100	3,280	NA	66.50	34.42	32.08	0.2/1.8
MW-5	10/19/2000	72,400	NA	3,010	32,200	2,440	15,400	2,840	NA	66.50	36.89	29.61	1.0/2.7
MW-6*	06/04/1999	36,000	NA	4,240	1,680	1,100	4,160	11,300	17,500	64.98	32.13	32.85	1.3
MW-6	06/04/1999	56,900	NA	6,830	6,050	1,970	9,060	17,000	24,300	64.98	32.13	32.85	1.3
MW-6	07/22/1999	42,800	NA	4,660	740	1,210	4,980	15,600	20,100	64.98	32.09	32.89	2.9/2.1
MW-6	12/08/1999	9,520	NA	1,760	58.0	142	384	9,320	7,310c	64.98	36.62	28.36	2.9/2.2
MW-6	01/07/2000	20,000	NA	3,650	367	949	1,700	13,600	13,100	64.98	37.03	27.95	1.2/1.4
MW-6	04/05/2000	20,500e	NA	4,190e	1,250e	1,200e	2,750e	18,600e	12,700c	64.98	29.37	35.61	1.2/1.2
MW-6	07/12/2000	27,300	NA	4,000	3,170	1,470	4,570	12,900	10,800c	64.98	33.04	31.94	0.8/0.4
MW-6	10/19/2000	39,600	NA	4,050	6,250	1,920	7,800	14,200	14,600c	64.98	35.62	29.36	1.4/1.7
MW-7*	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	65.83	33.03	32.80	1.4
MW-7	06/04/1999	<50.0	NA	0.663	<0.500	0.677	<0.500	11.7	NA	65.83	33.03	32.80	1.4
MW-7	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	65.83	33.09	32.74	2.7/2.4
MW-7	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	65.83	37.68	28.15	2.7/2.4
MW-7	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	37.87	27.96	2.8/2.6
MW-7	04/05/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	30.30	35.53	2.8/3.1
MW-7	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	33.92	31.91	0.9/0.7
MW-7	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	36.51	29.32	1.5/1.8
MW-8*	06/04/1999	<50	NA	<0.500	<0.500	<0.500	<0.500	452	NA	65.07	32.19	32.88	2.1
MW-8	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	186	NA	65.07	32.19	32.88	1.8

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA
Wic #204-6852-0703

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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MW-8	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	286	443	65.07	32.14	32.93	2.9/2.7
MW-8	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	65.07	36.75	28.32	2.9/2.7
MW-8	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	255	NA	65.07	37.15	27.92	1.8/2.0
MW-8	04/05/2000	<50.0e	NA	<0.500e	<0.500e	<0.500e	<0.500e	247e	NA	65.07	29.45	35.62	2.1/2.5
MW-8	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	123	NA	65.07	33.13	31.94	0.5/0.5
MW-8	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	123	NA	65.07	35.72	29.35	1.2/1.8

Irrigation Well	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA
Irrigation Well	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA
Irrigation Well	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA
Irrigation Well	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA
Irrigation Well	04/05/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	27.85	NA	NA
Irrigation Well	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA
Irrigation Well	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	1.7/1.8

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

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA
Wic #204-6852-0703

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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DO = Dissolved Oxygen

ug/L = parts per billion

ppm = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

n/n = Pre-purge/post-purge DO reading.

NA = Not applicable

Notes:

a = Chromatogram pattern indicated an unidentified hydrocarbon.

b = Equipment blank contained 80 ug/L TPH-G, 1.2 ug/L benzene, 17 ug/L toluene, 3.2 ug/L ethylbenzene, 16 ug/L xylenes, and 15 ug/L MTBE

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

d = DO Reading not taken.

e = Result was generated out of hold time.

* Pre-purge samples

TOC elevation of wells MW-1, MW-2, and MW-3 resurveyed March 29, 1994

Survey of wells was performed on June 21, 1999 by Virgil Chavez land surveying, Vallejo, CA.



Sequoia Analytical

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

16 November, 2000

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

RE: 1285 Bancroft
Sequoia Report: MJJ0626

Enclosed are the results of analyses for samples received by the laboratory on 10/20/00 11:59. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210





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

Project: 1285 Bancroft
Project Number: 1285 Bancroft, San Leandro
Project Manager: Nick Sudano

Reported:
11/16/00 13:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MJJ0626-01	Water	10/19/00 09:35	10/20/00 11:59
MW-2	MJJ0626-02	Water	10/19/00 11:08	10/20/00 11:59
MW-3	MJJ0626-03	Water	10/19/00 11:35	10/20/00 11:59
MW-4	MJJ0626-04	Water	10/19/00 10:38	10/20/00 11:59
MW-5	MJJ0626-05	Water	10/19/00 13:21	10/20/00 11:59
MW-6	MJJ0626-06	Water	10/19/00 12:04	10/20/00 11:59
MW-7	MJJ0626-07	Water	10/19/00 09:00	10/20/00 11:59
MW-8	MJJ0626-08	Water	10/19/00 08:26	10/20/00 11:59
IW-1	MJJ0626-09	Water	10/19/00 13:58	10/20/00 11:59





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

Project: 1285 Bancroft
Project Number: 1285 Bancroft, San Leandro
Project Manager: Nick Sudano

Reported:
11/16/00 13:53

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MJJ0626-01) Water Sampled: 10/19/00 09:35 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	129	50.0	ug/l	1	0J28001	10/28/00	10/28/00	DHS LUFT	P-03
Benzene	7.76	0.500	"	"	"	"	"	"	
Toluene	19.6	0.500	"	"	"	"	"	"	
Ethylbenzene	7.84	0.500	"	"	"	"	"	"	
Xylenes (total)	33.3	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	31.3	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.1 %	70-130	"	"	"	"	"	
MW-2 (MJJ0626-02) Water Sampled: 10/19/00 11:08 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	4840	1000	ug/l	20	0J28001	10/28/00	10/28/00	DHS LUFT	P-03
Benzene	188	10.0	"	"	"	"	"	"	
Toluene	267	10.0	"	"	"	"	"	"	
Ethylbenzene	318	10.0	"	"	"	"	"	"	
Xylenes (total)	1370	10.0	"	"	"	"	"	"	
Methyl tert-butyl ether	84.4	50.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		83.8 %	70-130	"	"	"	"	"	
MW-3 (MJJ0626-03) Water Sampled: 10/19/00 11:35 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	6280	1000	ug/l	20	0J31003	10/31/00	10/31/00	DHS LUFT	P-01
Benzene	124	10.0	"	"	"	"	"	"	
Toluene	1280	10.0	"	"	"	"	"	"	
Ethylbenzene	229	10.0	"	"	"	"	"	"	
Xylenes (total)	1510	10.0	"	"	"	"	"	"	
Methyl tert-butyl ether	311	50.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	70-130	"	"	"	"	"	





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

Project: 1285 Bancroft
Project Number: 1285 Bancroft, San Leandro
Project Manager: Nick Sudano

Reported:
11/16/00 13:53

**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 (MJJ0626-04) Water Sampled: 10/19/00 10:38 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	944	500	ug/l	10	0J28001	10/28/00	10/28/00	DHS LUFT	P-01
Benzene	23.9	5.00	"	"	"	"	"	"	
Toluene	6.57	5.00	"	"	"	"	"	"	
Ethylbenzene	122	5.00	"	"	"	"	"	"	
Xylenes (total)	109	5.00	"	"	"	"	"	"	
Methyl tert-butyl ether	372	25.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.6 %		70-130	"	"	"	"	
MW-5 (MJJ0626-05) Water Sampled: 10/19/00 13:21 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	72400	50000	ug/l	1000	0J31003	10/31/00	10/31/00	DHS LUFT	P-01
Benzene	3010	500	"	"	"	"	"	"	
Toluene	32200	500	"	"	"	"	"	"	
Ethylbenzene	2440	500	"	"	"	"	"	"	
Xylenes (total)	15400	500	"	"	"	"	"	"	
Methyl tert-butyl ether	2840	2500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.9 %		70-130	"	"	"	"	
MW-6 (MJJ0626-06) Water Sampled: 10/19/00 12:04 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	39600	5000	ug/l	100	0J28001	10/28/00	10/28/00	DHS LUFT	P-01
Benzene	4050	50.0	"	"	"	"	"	"	
Toluene	6250	50.0	"	"	"	"	"	"	
Ethylbenzene	1920	50.0	"	"	"	"	"	"	
Xylenes (total)	7800	50.0	"	"	"	"	"	"	
Methyl tert-butyl ether	14200	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.0 %		70-130	"	"	"	"	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 1285 Bancroft Project Number: 1285 Bancroft, San Leandro Project Manager: Nick Sudano	Reported: 11/16/00 13:53
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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-7 (MJJ0626-07) Water Sampled: 10/19/00 09:00 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J28001	10/28/00	10/28/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		86.3 %	70-130		"	"	"	"	
MW-8 (MJJ0626-08) Water Sampled: 10/19/00 08:26 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J28001	10/28/00	10/28/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	123	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		90.7 %	70-130		"	"	"	"	
IW-1 (MJJ0626-09) Water Sampled: 10/19/00 13:58 Received: 10/20/00 11:59									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J28001	10/28/00	10/28/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.6 %	70-130		"	"	"	"	





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

Project: 1285 Bancroft
Project Number: 1285 Bancroft, San Leandro
Project Manager: Nick Sudano

Reported:
11/16/00 13:53

**MTBE by EPA Method 8260B
Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MJJ0626-06) Water Sampled: 10/19/00 12:04 Received: 10/20/00 11:59 I-02									
Methyl tert-butyl ether	14600	333	ug/l	166.67	0110016	11/02/00	11/03/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		106 %	76.0-114		"	"	"	"	





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

Project: 1285 Bancroft
Project Number: 1285 Bancroft, San Leandro
Project Manager: Nick Sudano

Reported:
11/16/00 13:53

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 0J28001 - EPA 5030B [P/T]										
Blank (0J28001-BLK1) Prepared & Analyzed: 10/28/00										
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>	9.07		"	10.0		90.7	70-130			
LCS (0J28001-BS1) Prepared & Analyzed: 10/28/00										
Benzene	7.91	0.500	ug/l	10.0		79.1	70-130			
Toluene	9.97	0.500	"	10.0		99.7	70-130			
Ethylbenzene	11.1	0.500	"	10.0		111	70-130			
Xylenes (total)	32.2	0.500	"	30.0		107	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.97		"	10.0		89.7	70-130			
Matrix Spike (0J28001-MS1) Source: MJJ0626-09 Prepared & Analyzed: 10/28/00										
Benzene	7.69	0.500	ug/l	10.0	ND	76.9	60-140			
Toluene	9.77	0.500	"	10.0	ND	97.7	60-140			
Ethylbenzene	11.0	0.500	"	10.0	ND	110	60-140			
Xylenes (total)	31.4	0.500	"	30.0	ND	105	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.91		"	10.0		89.1	70-130			
Matrix Spike Dup (0J28001-MSD1) Source: MJJ0626-09 Prepared & Analyzed: 10/28/00										
Benzene	7.52	0.500	ug/l	10.0	ND	75.2	60-140	2.24	25	
Toluene	9.48	0.500	"	10.0	ND	94.8	60-140	3.01	25	
Ethylbenzene	10.6	0.500	"	10.0	ND	106	60-140	3.70	25	
Xylenes (total)	30.7	0.500	"	30.0	ND	102	60-140	2.25	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.82		"	10.0		88.2	70-130			





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

Project: 1285 Bancroft
Project Number: 1285 Bancroft, San Leandro
Project Manager: Nick Sudano

Reported:
11/16/00 13:53

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
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Batch OJ31003 - EPA 5030B [P/T]

Blank (OJ31003-BLK1)

Prepared & Analyzed: 10/31/00

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	7.38		"	10.0		73.8	70-130			

LCS (OJ31003-BS1)

Prepared & Analyzed: 10/31/00

Benzene	9.53	0.500	ug/l	10.0		95.3	70-130			
Toluene	9.98	0.500	"	10.0		99.8	70-130			
Ethylbenzene	10.2	0.500	"	10.0		102	70-130			
Xylenes (total)	31.1	0.500	"	30.0		104	70-130			
Methyl tert-butyl ether	10.2	2.50	"				70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	7.72		"	10.0		77.2	70-130			





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

Project: 1285 Bancroft
Project Number: 1285 Bancroft, San Leandro
Project Manager: Nick Sudano

Reported:
11/16/00 13:53

**MTBE by EPA Method 8260B - Quality Control
Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0110016 - EPA 5030B [P/T]

Blank (0110016-BLK1)

Prepared & Analyzed: 11/02/00

Methyl tert-butyl ether	ND	2.00	ug/l							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.0</i>		"	<i>50.0</i>		<i>104</i>	<i>76.0-114</i>			

LCS (0110016-BS1)

Prepared & Analyzed: 11/02/00

Methyl tert-butyl ether	48.3	2.00	ug/l	50.0		96.6	70.0-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.0</i>		"	<i>50.0</i>		<i>108</i>	<i>76.0-114</i>			

Matrix Spike (0110016-MS1)

Source: L011006-03

Prepared & Analyzed: 11/02/00

Methyl tert-butyl ether	51.9	2.00	ug/l	50.0	ND	104	60.0-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.5</i>		"	<i>50.0</i>		<i>105</i>	<i>76.0-114</i>			

Matrix Spike Dup (0110016-MSD1)

Source: L011006-03

Prepared & Analyzed: 11/02/00

Methyl tert-butyl ether	51.9	2.00	ug/l	50.0	ND	104	60.0-140	0	25.0	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.8</i>		"	<i>50.0</i>		<i>104</i>	<i>76.0-114</i>			





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

Project: 1285 Bancroft
Project Number: 1285 Bancroft, San Leandro
Project Manager: Nick Sudano

Reported:
11/16/00 13:53

Notes and Definitions

I-02 This sample was analyzed outside of the EPA recommended holding time.

P-01 Chromatogram Pattern: Gasoline C6-C12

P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



BLAINE

TECH SERVICES INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB SEQUOIA

(MJJ0626)

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER

RWQCB REGION

CHAIN OF CUSTODY
001014-X1

CLIENT
 Equiva - Karen Petryna

SITE
 1285 Bancroft

San Leandro, CA

C = COMPOSITE ALL CONTAINERS

TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010
X	X			01	
X	X			02	
X	X			03	
X	X			04	
X	X			05	
X	X			06	
X	X			07	
X	X			08	
X	X			09	
X	X				

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # *98996067*

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLE I.D.	DATE	TIME	MATRIX	TOTAL	CONTAINERS
			S = SOIL W = H2O		
<i>MW-1</i>	<i>10/19/00</i>	<i>0935</i>	<i>W</i>	<i>3</i>	<i>3 VIALS</i>
<i>MW-2</i>		<i>1108</i>			
<i>MW-3</i>		<i>1135</i>			
<i>MW-4</i>		<i>1038</i>			
<i>MW-5</i>		<i>1321</i>			
<i>MW-6</i>		<i>1204</i>			
<i>MW-7</i>		<i>0900</i>			
<i>MW-8</i>		<i>0826</i>			
<i>1W-1</i>	<i>10/19/00</i>	<i>1358</i>	<i>W</i>	<i>3</i>	<i>3 VIALS</i>

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
<i>Confirm highest MTBE hit by EPA 8260</i>			

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED
	<i>10/19/00</i>		<i>HOYT RYALES</i>	NO LATER THAN
RELEASED BY	DATE	TIME	RECEIVED BY	DATE
<i>[Signature]</i>	<i>10/24/00</i>	<i>9:55</i>	<i>[Signature]</i>	<i>10/20/00</i>
RELEASED BY	DATE	TIME	RECEIVED BY	DATE
<i>[Signature]</i>			<i>[Signature]</i>	<i>10/20/00</i>
RELEASED BY	DATE	TIME	RECEIVED BY	DATE

SHIP VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 001019-X1

Date 10/19/00

Client EQUIVA

Site 1285 Bancroft Ave San Leandro 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					36.87	59.00	↓
MW-2	4					36.50	57.93	
MW-3	4					37.34	57.65	
MW-4	4					38.08	53.92	
MW-5	4					36.89	49.70	
MW-6	2	odor				35.62	50.85	
MW-7	2					36.51	50.96	
MW-8	2					35.72	⁵⁰ 49.68	
IW-1						SEE DATA Sheet	-	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001019-X1	Site: 204-6852-0703
Sampler: 140YT	Date: 10/19/00
Well I.D.: MW-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 5900	Depth to Water: 36.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other: _____

Sampling Method:

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

14	(Gals.) X	3	=	43	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
0926	65.9	7.00	589		15	
0929	66.6	6.77	577		30	
0932	66.7	6.80	576		45	

Did well dewater? Yes No Gallons actually evacuated: 45

Sampling Time: 0935 Sampling Date: 10/19/00

Sample I.D.: MW-1 Laboratory: Sequoia Columbia Other: _____

Analyzed for: IPH-G BTEX MIBE IPH-D Other: _____

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

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

D.O. (if req'd):	<u>Pre-purge:</u>	3.9 mg/L	<u>Post-purge:</u>	4.7 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001019-X1	Site: 204-6852-0703
Sampler: H0YT	Date: 10/19/00
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 57.93	Depth to Water: 36.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:

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

Sampling Method:

Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

13.9 (Gals.) X 3 = 41 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1058	67.4	6.87	598		14	
1101	67.7	6.84	593		28	
1104	67.5	6.80	605		42	

Did well dewater? Yes No Gallons actually evacuated: 42

Sampling Time: 1108 Sampling Date: 10/19/00

Sample I.D.: MW-2 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: 4.8 mg/L Post-purge: 26 mg/L

Ó.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001019-X1	Site: 204-6852-0703
Sampler: 140YT	Date: 10/19/00
Well I.D.: MW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 57.65	Depth to Water: 37.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method:

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

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

13 (Gals.) X 3 = 41 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 ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1126	68.7	6.73	561		14	
1129	68.0	6.62	563		28	
1131	67.9	6.64	567		42	

Did well dewater? Yes No Gallons actually evacuated: 42

Sampling Time: 1135 Sampling Date: 10/19/00

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

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

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

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

D.O. (if req'd): Pre-purge: 2.1 mg/L Post-purge: 2.9 mg/L

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

EQUIYA WELL MONITORING DATA SHEET

BTS #: 001019-X1	Site: 204-6852-0703
Sampler: 140YT	Date: 10/19/00
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 53.92	Depth to Water: 38.08
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- (Electric Submersible)
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- (Bailer)
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

10	(Gals.) X	3	=	30	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1030	66.8	6.94	588	6	10	
1032	67.4	6.60	628		20	
1034	67.7	6.55	677		30	

Did well dewater? Yes No Gallons actually evacuated: 30

Sampling Time: 1038 Sampling Date: 10/19/00

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: (23) mg/L Post-purge: (1.4) mg/L

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>001019-X1</u>	Site: <u>204-6852-0703</u>
Sampler: <u>Hoyt</u>	Date: <u>10/19/00</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>49.70</u>	Depth to Water: <u>36.89</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method:

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

Sampling Method:

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

8.3 (Gals.) X 3 = 24.9 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1256	66.8	7.43	675		9	odor ↓ ↓
1306	66.9	7.46	6x60		18	
1316	66.9	7.40	6x58		25	

Did well dewater? Yes No Gallons actually evacuated: 25

Sampling Time: 1321 Sampling Date: 10/19/00

Sample I.D.: MW-5 Laboratory: Sequoia Columbia Other _____

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

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

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

D.O. (if req'd):	Pre-purge: <u>1.0</u> mg/L	Post-purge: <u>2.7</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001019-X1	Site: 204-6852-0703
Sampler: H0YT	Date: 10/19/00
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8
Total Well Depth: 50.85	Depth to Water: 35.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:

- Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
- Waterra
 Peristaltic
 Extraction Pump
 Other: _____

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

2.4	(Gals.) X	3	=	7.3	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	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1156	66.1	7.43	818		3	Odor
1158	66.5	7.44	846		3	↓
1159	65.0	7.49	853		2	↓

Did well dewater? Yes No Gallons actually evacuated: 8

Sampling Time: 1204 Sampling Date: 10/19/00

Sample I.D.: MW-6 Laboratory: (Sequoia) Columbia Other: _____

Analyzed for: (TPH-G BTEX MTBE) TPH-D 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: (1.4) mg/L Post-purge: (1.7) mg/L

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001019-X1	Site: 204-6852-0703
Sampler: HBYT	Date: 10/19/00
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8
Total Well Depth: 50.76	Depth to Water: 36.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:

- Bailer
- Disposable Bailer
- (Middleburg)
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- (Bailer)
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

2.2 (Gals.) \times 3 = 6 Gals.
 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
0855	63.8	7.61	617		2	
0856	63.8	7.33	619		4	
0857	63.8	7.18	623		6	

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 0900 Sampling Date: 10/19/00

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): 1.5 mg/L	(Post-purge): 1.8 mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge: mV

EQUIYA WELL MONITORING DATA SHEET

BTS #: 001019-X1	Site: 204-6852-0703
Sampler: H0YT	Date: 10/19/00
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8
Total Well Depth: 50.68	Depth to Water: 35.72
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
- Waterria
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

23 (Gals.) X 3 = 7 Gals.
 I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.01	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
0820	64.2	7.32	602		3	
0822	63.9	7.42	560		25	
0824	63.9	7.57	557		7	

Did well dewater? Yes No Gallons actually evacuated: 7

Sampling Time: 0826 Sampling Date: 10/19/00

Sample I.D.: MW-8 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: 1.2 mg/L	Post-purge: 1.8 mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge: mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>001019-X1</u>	Site: <u>204-6852-0703</u>
Sampler: <u>HOYT</u>	Date: <u>10/19/00</u>
Well I.D.: <u>TW 1</u>	Well Diameter: 2 3 4 6 8 <u> </u>
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

Watera
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method: ~~Bailer~~

Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: SPICKET

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1343	Depth	33.92	5 min.	INCREMENTS		
1348		33.90				
1352		33.87				
1353	68.5	6.99	575			

Did well dewater? Yes No Gallons actually evacuated: 0

Sampling Time: 1358 Sampling Date: 10/19/00

Sample I.D.: IW-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: <u>1.7</u> mg/L	Post-purge: <u>1.8</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV