CAMBRIA

ENVIRONMENTAL PROTECTION

99 OCT 13 PM 3:17

October 11, 1999

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

Re: **Second Quarter 1999 Monitoring Report**
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #98996067
Cambria Project #241-0504-002

Dear Ms. Shin:

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

SECOND QUARTER 1999 ACTIVITIES

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

Ground Water Monitoring Well Intallations: Four new ground water monitoring wells (MW-5, MW-6, MW-7, and MW-8, (Figure 1) were installed on May 17 through 19, 1999 and developed on May 28, 1999. The new wells were then sampled before and after purging by Blaine on June 4, 1999 (Attachment B). Details of the monitoring well installation activities will be submitted in a *Monitoring Well Installation Report.* Virgil Chavez Land Surveying (Chavez) of Vallejo, California surveyed the new monitoring wells to top of casing on June 21, 1999. Survey results are included as Attachment C.

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

Cambria Environmental Technology, Inc.

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

Irrigation Well: Cambria identified an irrigation well located on the adjacent property at 594-597 Estudillo Avenue. The irrigation well is currently being used as an irrigation supply well for the Estudillo Avenue apartment complex. Construction details are uncertain, but the well is believed to be about 80 feet in total depth. Blaine sampled the irrigation well on June 4, 1999 after purging approximately 500 gallons of water from the well. Analytical results for the irrigation well were below detection limits for total purgeable hydrocarbons as gasoline (TPHg), benzene, toluene, ethyl benzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8015/8020, and are presented in Attachment B. The irrigation well will be incorporated into the quarterly sampling program for the site, and will be purged and sampled quarterly for TPHg, BTEX, and MTBE.

ANTICIPATED THIRD QUARTER 1999 ACTIVITIES

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

Monitoring Well Installations: New monitoring wells MW-5, MW-6, MW-7 and MW-8 will be sampled quarterly beginning in the 3rd quarter of 1999. Chemical analysis and frequency will include the following:

- TPHg by EPA Method 8015M/8020M, quarterly;
- BTEX by EPA Method 8015M/8020M, quarterly;
- MTBE by EPA Method 8015M/8020M and confirmed with EPA Method 8260, one time event only in third quarter, 1999. Subsequent quarterly sampling events by EPA Method 8015M/8020M with the highest MTBE concentrations for all site wells confirmed by EPA Method 8260;
- Tertiary butyl ether (TBA), tertiary amyl methyl ether (TAME), diisopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE) by EPA Method 8260, one time only in third quarter, 1999;
- 1,2-Dibromoethane (EDB) and 1,2-Dichloroethane (EDC) by EPA Method 8010B, one time only in third quarter, 1999.

Ongoing Activities: Cambria is in the process of coordinating connecting the adjacent apartment complex on Estudillo Avenue to city-supplied water for irrigation purposes. Once city water service is connected to the apartment complex, the irrigation well will be taken off-line, but left in place for potential future monitoring.

Ground Water Extraction Activities: Cambria has initiated weekly ground water extraction for the purpose of source removal and plume containment. Ground water is pumped weekly from wells MW-3 and MW-5. Progress of weekly pumping will be reported in future monitoring reports.

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

for

Darryk Ataide, REA I
Project Manager

REGISTERED GEOLOGIST
AILSA S. LE MAY
NO. 6717
STATE OF CALIFORNIA

Ailsa S. Le May, R.G.
Senior Geologist

Figure: 1 - Ground Water Elevation Contour Map
Attachment: A - Blaine Ground Water Monitoring Report and Field Notes (April 22, 1999)
B - Blaine Ground Water Monitoring Report and Field Notes (June 4, 1999)
C - Chavez Survey Results

cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California 90749-6249
Mike Bakaldin, City of San Leandro, 835 East 14th Street, San Leandro, California 94577

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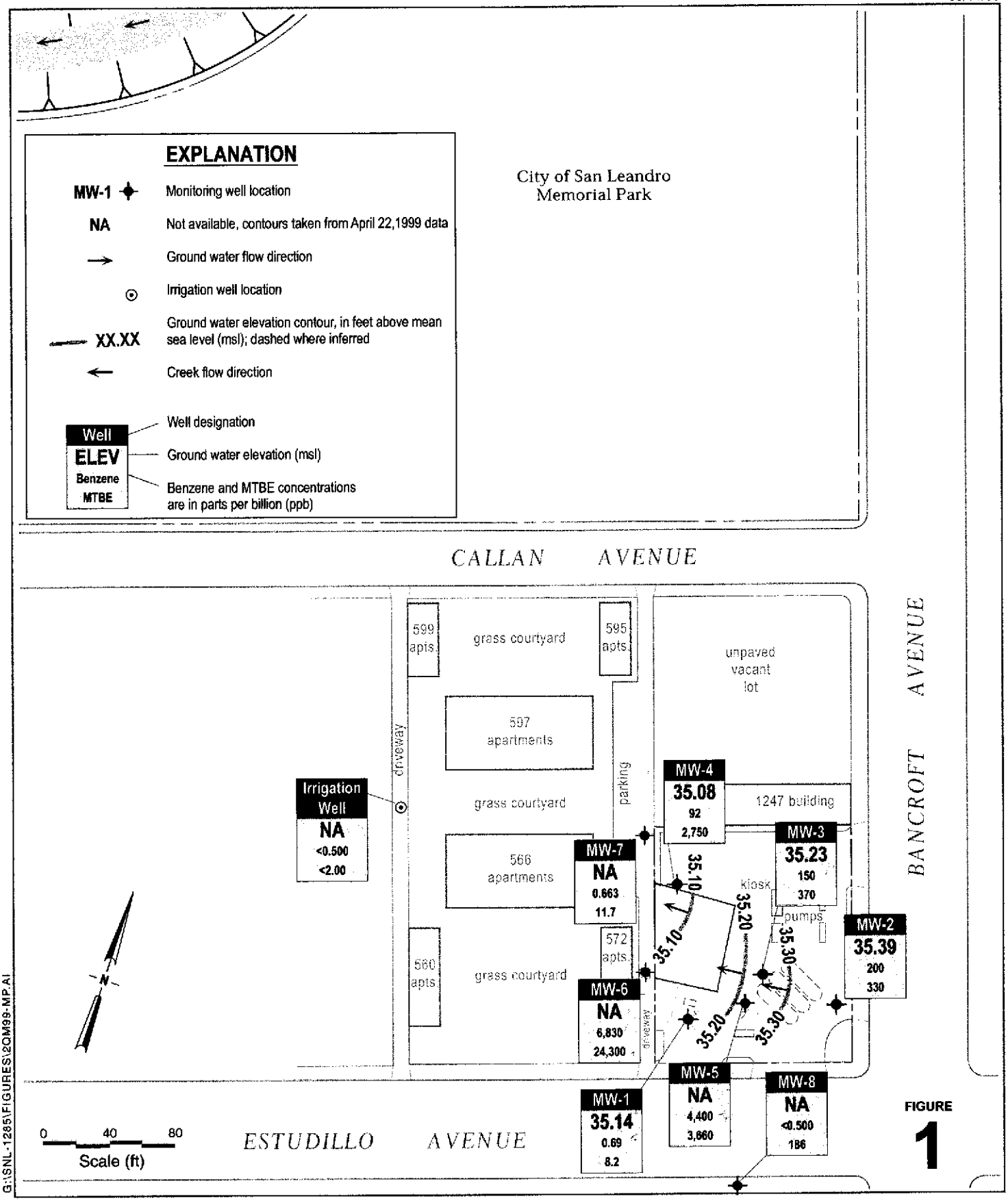

FIGURE
1

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

CAMBRIA

Ground Water Elevation Contour Map
April 16, 1999
and June 4, 1999

ATTACHMENT A

Blaine Ground Water Monitoring Report
and Field Notes
(April 22, 1999)

BLAINE
TECH SERVICES inc.

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

July 15, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249

Second Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Monitoring performed on April 16 & June 4, 1999

Groundwater Monitoring Report 990604-G-3

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, apprioriate calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

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

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

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

Please call if you have any questions.

Yours truly,

Deidre Kerwin
Operations Manager

DK/ld

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)
MW-1	03/13/90	NA	NA	NA	NA	NA	NA	NA	NA	66.29	42.65	23.64	NA
MW-1	06/12/90	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.14	23.15	NA
MW-1	09/13/90	NA	NA	NA	NA	NA	NA	NA	NA	66.29	44.71	21.58	NA
MW-1	12/18/90	NA	NA	NA	NA	NA	NA	NA	NA	66.29	45.23	21.06	NA
MW-1	03/07/91	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.32	22.97	NA
MW-1	06/07/91	NA	NA	NA	NA	NA	NA	NA	NA	66.29	42.18	24.11	NA
MW-1	09/17/91	50a	160a	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	44.85	21.44	NA
MW-1	03/01/92	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	41.56	24.73	NA
MW-1	06/03/92	<50	NA	0.8	<0.5	0.9	<0.5	NA	NA	66.29	40.74	25.55	NA
MW-1	09/01/92	<50	NA	<0.5	5.8	5.3	7.2	NA	NA	66.29	43.05	23.24	NA
MW-1	12/07/92	68	NA	<0.5	0.8	<0.5	1.2	NA	NA	66.29	44.19	22.10	NA
MW-1	03/01/93	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	34.96	31.33	NA
MW-1 (D)	03/01/93	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	34.96	31.33	NA
MW-1	06/22/93	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	36.75	29.54	NA
MW-1	09/09/93	200a	NA	16	5.2	2	<0.5	NA	NA	66.29	39.36	26.93	NA
MW-1	12/13/93	89a	NA	3.4	<0.5	<0.5	<0.5	NA	NA	66.29	40.74	25.55	NA
MW-1	03/03/94	65a	NA	2.6	<0.5	<0.5	<0.5	NA	NA	66.29	38.40	27.89	NA
MW-1	07/27/94	180	NA	30	1.8	2.6	5	NA	NA	66.90	40.49	26.41	NA
MW-1 (D)	07/27/94	240	NA	25	2.2	2.2	4	NA	NA	66.90	40.49	26.41	NA
MW-1	08/09/94	NA	NA	NA	NA	NA	NA	NA	NA	66.90	40.84	26.06	NA
MW-1	10/05/94	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	66.90	41.98	24.92	NA
MW-1	11/11/94	NA	NA	NA	NA	NA	NA	NA	NA	66.90	41.34	25.56	NA
MW-1	12/29/94	NA	NA	NA	NA	NA	NA	NA	NA	66.90	42.06	24.84	NA
MW-1	01/04/95	<50	NA	2.4	<0.5	<0.5	<0.5	NA	NA	66.90	39.90	27.00	NA
MW-1 (D)	01/04/95	<50	NA	2.5	<0.5	<0.5	<0.5	NA	NA	66.90	39.90	27.00	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	04/14/95	<50	NA	<0.5	0.5	<0.5	<0.5	NA	NA	66.90	31.02	35.88	NA
MW-1 (D)	04/14/95	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.90	31.02	35.88	NA
MW-1	07/12/95	<50	NA	1.2	0.8	<0.5	<0.5	NA	NA	66.90	34.61	32.29	NA
MW-1	12/14/95	380	NA	230	9	1.1	49	NA	NA	66.90	39.24	27.66	NA
MW-1	01/10/96	60	NA	3.5	<0.5	<0.5	0.5	NA	NA	66.90	38.34	28.56	NA
MW-1	04/25/96	<50	NA	3.3	2.4	1.2	5.4	NA	NA	66.90	31.95	34.95	NA
MW-1	07/09/96	810	NA	29	7.3	<5.0	11	1,800	NA	66.90	34.45	32.45	NA
MW-1	10/02/96	<125	NA	3.1	<1.2	<1.2	<1.2	960	NA	66.90	37.72	29.18	NA
MW-1	01/09/97	<250	NA	<2.5	<2.5	<2.5	<2.5	510	NA	66.90	32.25	34.65	NA
MW-1	04/09/97	<50	NA	<0.5	<0.5	<0.5	<0.5	130	NA	66.90	32.90	34.00	NA
MW-1	07/02/97	<250	NA	60	7.6	4.2	18	1,300	NA	66.90	36.65	30.25	NA
MW-1	10/24/97	<500	NA	140	<5.0	12	40	2,600	NA	66.90	39.75	27.15	4.5
MW-1	01/08/98	<50	NA	<0.50	<0.50	<0.50	<0.50	170	NA	66.90	36.31	30.59	4
MW-1 b	04/14/98	72	NA	0.82	4.9	1.8	13	2.7	NA	66.90	26.37	40.53	2.2
MW-1	07/15/98	<50	NA	2.5	1.5	<0.50	<0.50	12	NA	66.90	31.23	35.67	2.4
MW-1	10/13/98	<50	NA	3.2	0.69	<0.50	1.1	29	NA	66.90	35.69	31.21	1.3
MW-1	01/22/99	567	NA	79.7	120	21.4	99.9	193	190	66.90	35.32	31.58	1.2
MW-1	04/16/99	<50	NA	0.69	1.1	1.2	<0.50	8.2	NA	66.90	31.76	35.14	1.0
MW-2	03/01/92	910	<50	11	5.2	50	140	NA	NA	66.91	41.57	25.34	NA
MW-2	06/03/92	1,400	NA	33	16	150	240	NA	NA	66.91	40.56	26.35	NA
MW-2	09/01/92	230	NA	5.2	4.1	15	19	NA	NA	66.91	42.94	23.97	NA
MW-2 (D)	09/01/92	320	NA	5.6	5	18	220	NA	NA	66.91	42.94	23.97	NA
MW-2	12/07/92	240	NA	1.5	1.3	9.5	9.9	NA	NA	66.91	44.13	22.78	NA
MW-2 (D)	12/07/92	<50	NA	1.7	1	13	12	NA	NA	66.91	44.13	22.78	NA
MW-2	03/01/93	230	NA	260	310	27	66	NA	NA	66.91	34.82	32.09	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-2	06/22/93	220	NA	18	3.4	3.6	5.2	NA	NA	66.91	36.64	30.27	NA
MW-2 (D)	06/22/93	320	NA	29	4.8	4.2	6.1	NA	NA	66.91	36.64	30.27	NA
MW-2	09/09/93	260	NA	18	4.6	16	12	NA	NA	66.91	39.24	27.67	NA
MW-2 (D)	09/09/93	210	NA	16	3.9	14	9.1	NA	NA	66.91	39.24	27.67	NA
MW-2	12/13/93	1,300a	NA	82	34	73	15	NA	NA	66.91	40.64	26.27	NA
MW-2 (D)	12/13/93	1,400a	NA	110	45	72	19	NA	NA	66.91	40.64	26.27	NA
MW-2	03/03/94	9,600	NA	1,200	600	390	710	NA	NA	66.91	38.98	27.93	NA
MW-2 (D)	03/03/94	10,000	NA	930	500	330	590	NA	NA	66.91	38.98	27.93	NA
MW-2	07/27/94	190	NA	<0.5	1	<0.5	<0.5	NA	NA	66.91	40.40	26.51	NA
MW-2	08/09/94	1,500	NA	53.5	12.4	46.2	44	NA	NA	66.91	40.71	26.20	NA
MW-2	10/05/94	<485	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	66.91	41.89	25.02	NA
MW-2	11/11/94	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.22	25.69	NA
MW-2	12/29/94	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.99	24.92	NA
MW-2	01/04/95	1,300	NA	150	35	23	51	NA	NA	66.91	39.81	27.10	NA
MW-2	04/14/95	5,000	NA	1,000	340	400	810	NA	NA	66.91	30.83	36.08	NA
MW-2	07/12/95	4,500	NA	440	170	170	290	NA	NA	66.91	34.50	32.41	NA
MW-2 (D)	07/12/95	4,300	NA	430	160	160	280	NA	NA	66.91	34.50	32.41	NA
MW-2	12/14/95	37,000	NA	1,800	7,600	1,000	6,700	NA	NA	66.91	39.22	27.69	NA
MW-2 (D)	12/14/95	34,000	NA	1,800	6,600	1,000	6,500	NA	NA	66.91	39.22	27.69	NA
MW-2	01/10/96	69,000	NA	1,000	3,200	510	3,300	NA	NA	66.91	38.22	28.69	NA
MW-2 (D)	01/10/96	78,000	NA	1,100	3,500	560	3,600	NA	NA	66.91	38.22	28.69	NA
MW-2	04/25/96	11,000	NA	820	880	210	1,400	NA	NA	66.91	31.78	35.13	NA
MW-2 (D)	04/25/96	9,300	NA	690	710	160	1,200	NA	NA	66.91	31.78	35.13	NA
MW-2	07/09/96	100,000	NA	15,000	24,000	1,700	9,900	70,000	NA	66.91	34.35	32.56	NA
MW-2 (D)	07/09/96	86,000	NA	12,000	19,000	1,400	7,500	32,000	NA	66.91	34.35	32.56	NA
MW-2	10/02/96	82,000	NA	20,000	32,000	1,800	9,100	40,000	NA	66.91	37.56	29.35	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-2 (D)	10/02/96	89,000	NA	19,000	31,000	1,700	8,900	42,000	NA	66.91	37.56	29.35	NA
MW-2	01/09/97	17,000	NA	710	2,300	350	2,200	4,000	NA	66.91	32.07	34.84	NA
MW-2 (D)	01/09/97	12,000	NA	490	1,300	260	1,800	2,800	NA	66.91	32.07	34.84	NA
MW-2	04/09/97	20,000	NA	970	3,500	330	2,000	3,200	NA	66.91	32.78	34.13	NA
MW-2	07/02/97	28,000	NA	1,700	8,700	550	3,000	5,500	NA	66.91	36.56	30.35	NA
MW-2 (D)	07/02/97	32,000	NA	2,000	11,000	680	3,800	6,400	NA	66.91	36.56	30.35	NA
MW-2	10/24/97	14,000	NA	460	1,000	300	2,000	3,000	NA	66.91	39.74	27.17	3.2
MW-2 (D)	10/24/97	14,000	NA	420	980	270	2,000	2,800	NA	66.91	39.74	27.17	3.2
MW-2	01/08/98	180	NA	2.8	1.6	<0.50	<0.50	7.6	NA	66.91	36.13	30.78	3.6
MW-2 b	04/14/98	12,000	NA	92	1,500	260	1,900	110	NA	66.91	26.15	40.76	4.6
MW-2	07/15/98	36,000	NA	250	5,600	830	6,000	6,800	NA	66.91	31.14	35.77	4.8
MW-2 (D)	07/15/98	35,000	NA	230	5,600	860	600	570	NA	66.91	31.14	35.77	4.8
MW-2	10/13/98	100	NA	7	12	3.7	10	5.8	NA	66.91	36.14	30.77	0.8
MW-2	01/22/99	21,000	NA	701	3,330	960	5,420	772	620	66.91	35.97	30.94	1.0
MW-2	04/16/99	14,000	NA	200	1,600	560	3,300	330	NA	66.91	31.52	35.39	1.0
MW-3	03/01/92	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	42.00	24.31	NA
MW-3	06/03/92	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	44.30	22.01	NA
MW-3	09/01/92	<50	NA	<0.5	<0.5	1.1	3.2	NA	NA	66.31	43.62	22.69	NA
MW-3	12/07/92	52	NA	<0.5	<0.5	<0.5	0.5	NA	NA	66.31	44.77	21.54	NA
MW-3	03/01/93	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	35.50	30.81	NA
MW-3	06/22/93	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	37.30	29.01	NA
MW-3	09/09/93	50a	NA	5	<0.5	<0.5	<0.5	NA	NA	66.31	39.90	26.41	NA
MW-3	12/13/93	120a	NA	7.5	<0.5	1.6	6.3	NA	NA	66.31	41.30	25.01	NA
MW-3	03/03/94	<50	NA	0.81	<0.5	<0.5	<0.5	NA	NA	66.31	38.32	27.99	NA
MW-3	07/27/94	<50	NA	3.5	<0.5	<0.5	<0.5	NA	NA	67.52	41.07	26.45	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-3	08/09/94	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.37	26.15	NA
MW-3	10/05/94	<57	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	67.52	42.55	24.97	NA
MW-3	11/11/94	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.86	25.66	NA
MW-3	12/29/94	NA	NA	NA	NA	NA	NA	NA	NA	67.52	42.59	24.93	NA
MW-3	01/04/95	<50	NA	6	<0.5	<0.5	<0.5	NA	NA	67.52	40.54	26.98	NA
MW-3	04/14/95	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	67.52	31.50	36.02	NA
MW-3	07/12/95	90	NA	16	<0.5	<0.5	<0.5	NA	NA	67.52	35.14	32.38	NA
MW-3	12/14/95	4,600	NA	460	390	34	1,000	NA	NA	67.52	39.86	27.66	NA
MW-3	01/10/96	11,000	NA	470	460	68	670	NA	NA	67.52	39.98	27.54	NA
MW-3	04/25/96	5,500	NA	830	910	<50	460	NA	NA	67.52	32.38	35.14	NA
MW-3	07/09/96	72,000	NA	7,600	14,000	970	5,900	59,000	NA	67.52	34.93	32.59	NA
MW-3	10/02/96	77,000	NA	15,000	24,000	2,000	9,600	94,000	71,000	67.52	38.20	29.32	NA
MW-3	01/09/97	130	NA	15	16	2	9.7	80	NA	67.52	32.81	34.71	NA
MW-3	04/09/97	24,000	NA	2,900	5,300	420	2,200	4,100	NA	67.52	33.42	34.10	NA
MW-3 (D)	04/09/97	24,000	NA	3,000	5,600	450	2,300	4,700	NA	67.52	33.42	34.10	NA
MW-3	07/02/97	68,000	NA	7,400	18,000	1,600	8,700	16,000	NA	67.52	37.22	30.30	NA
MW-3	10/24/97	93,000	NA	1,800	8,500	2,300	14,000	3,100	NA	67.52	40.75	26.77	1.8
MW-3	01/08/98	16,000	NA	140	870	22	5,000	120	NA	67.52	36.90	30.62	2.1
MW-3 (D)	01/08/98	24,000	NA	100	840	26	5,600	<100	NA	67.52	36.90	30.62	2.1
MW-3 b	04/14/98	100,000	NA	270	5,000	2,100	17,000	890	NA	67.52	26.92	40.60	1.8
MW-3 (D) b	04/14/98	49,000	NA	230	3,200	1,200	8,900	790	NA	67.52	26.92	40.60	1.8
MW-3	07/15/98	31,000	NA	1,100	3,300	300	2,800	3,700	NA	67.52	31.74	35.78	2
MW-3	10/13/98	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)	10/13/98	88,000	NA	5,800	21,000	1,400	12,000	9,200	NA	67.52	35.61	31.91	2.1
MW-3	01/22/99	25,100	NA	855	4,400	786	5,260	1,850	1,500	67.52	35.29	32.23	0.8
MW-3	04/16/99	7,800	NA	150	550	160	1,100	370	NA	67.52	32.29	35.23	1.0

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-4	07/27/94	120	NA	3.4	3.9	0.6	4.9	NA	NA	68.08	41.78	26.30	NA
MW-4	08/09/94	NA	NA	NA	NA	NA	NA	NA	NA	68.08	42.09	25.99	NA
MW-4	10/05/94	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	68.08	43.25	24.83	NA
MW-4 (D)	10/05/94	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	68.08	43.25	24.83	NA
MW-4	11/11/94	NA	NA	NA	NA	NA	NA	NA	NA	68.08	42.54	25.54	NA
MW-4	12/29/94	NA	NA	NA	NA	NA	NA	NA	NA	68.08	43.34	24.74	NA
MW-4	01/04/95	<50	NA	1.4	<0.5	<0.5	<0.5	NA	NA	68.08	41.57	26.51	NA
MW-4	04/14/95	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	68.08	32.24	35.84	NA
MW-4	07/12/95	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	68.08	35.88	32.20	NA
MW-4	12/14/95	70	NA	0.6	<0.5	<0.5	<0.5	NA	NA	68.08	40.54	27.54	NA
MW-4	01/10/96	280	NA	3.7	1	<0.5	0.8	NA	NA	68.08	39.59	28.49	NA
MW-4	04/25/96	<500	NA	63	<5.0	<5.0	<5.0	NA	NA	68.08	33.22	34.86	NA
MW-4	07/09/96	<2000	NA	160	<20	<20	<20	5,300	NA	68.08	35.70	32.38	NA
MW-4	10/02/96	<5,000	NA	480	<50	<50	<50	19,000	NA	68.08	38.95	29.13	NA
MW-4	01/09/97	<2,000	NA	43	<20	<20	<20	7,000	NA	68.08	33.04	35.04	NA
MW-4	04/09/97	<2,500	NA	120	<25	<25	<25	8,100	NA	68.08	34.15	33.93	NA
MW-4	07/02/97	<2,000	NA	81	<20	<20	<20	6,600	NA	68.08	37.92	30.16	NA
MW-4	10/24/97	<500	NA	90	<5.0	11	6.3	3,200	NA	68.08	41.00	27.08	2.1
MW-4	01/08/98	<50	NA	3.9	<0.50	<0.50	<0.50	1,800	NA	68.08	37.54	30.54	2.2
MW-4 b	04/14/98	920	NA	<0.50	<0.50	<0.50	<0.50	27	NA	68.08	27.75	40.33	1.2
MW-4	07/15/98	2,100	NA	160	76	120	190	2,600	NA	68.08	32.47	35.61	1.8
MW-4	10/13/98	<50	NA	<0.50	<0.50	<0.50	<0.50	17	NA	68.08	36.75	31.33	1.1
MW-4	01/22/99	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.10	13	68.08	36.41	31.67	1.6
MW-4	04/16/99	1,800	NA	92	35	110	200	1,800	2750	68.08	33.00	35.08	1.2

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-5*	06/04/99	159,000	NA	7,190	39,300	2,450	16,700	<5000	NA	66.50	33.48	33.02	1.7
MW-5	06/04/99	80,400	NA	4,400	26,000	1,480	11,000	3,660	NA	66.50	33.48	33.02	1.9
MW-6*	06/04/99	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	06/04/99	56,900	NA	6,830	6,050	1,970	9,060	17,000	24,300	64.98	32.13	32.85	1.3
MW-7*	06/04/99	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	65.83	33.03	32.80	1.4
MW-7	06/04/99	<50.0	NA	0.663	<0.500	0.677	<0.500	11.7	NA	65.83	33.03	32.80	1.4
MW-8*	06/04/99	<50	NA	<0.500	<0.500	<0.500	<0.500	452	NA	65.07	32.19	32.88	2.1
MW-8	06/04/99	<50.0	NA	<0.500	<0.500	<0.500	<0.500	186	NA	65.07	32.19	32.88	1.8
Irrigation Well	06/04/99	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA

Abbreviations:

TPPH= Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

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

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = parts per billion

msl = Mean sea level

ft = Feet

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)

<n = Below detection limit

D = Duplicate sample

Notes:

1.7/1.9 = Pre-purge/post-purge DO reading.

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

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

* Pre-purge samples

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

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Shell 1285 Bancroft Ave.	Sampled: 04/16/99
1680 Rogers Avenue	Sample Descript: MW1	Received: 04/16/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/26/99
Attention: Fran Thie	Lab Number: 9904811-01	Reported: 05/05/99

QC Batch Number: GC042699BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	**2.5**	**8.2**
Benzene	**0.50**	**0.69**
Toluene	**0.50**	**1.1**
Ethyl Benzene	**0.50**	**1.2**
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

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1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Blaine Tech Services	Client Proj. ID: Shell 1285 Bancroft Ave.	Sampled: 04/16/99
1680 Rogers Avenue	Sample Descript: MW2	Received: 04/16/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/27/99
Attention: *Fran Thie*	Lab Number: 9904811-02	Reported: 05/05/99

QC Batch Number: GC042799BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	14000
Methyl t-Butyl Ether	100	330
Benzene	20	200
Toluene	20	1600
Ethyl Benzene	20	560
Xylenes (Total)	20	3300
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	106

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

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Blaine Tech Services	Client Proj. ID: Shell 1285 Bancroft Ave.	Sampled: 04/16/99
1680 Rogers Avenue	Sample Descript: MW3	Received: 04/16/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/27/99
Attention: Fran Thie	Lab Number: 9904811-03	Reported: 05/05/99

QC Batch Number: GC042799BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	7800
Methyl t-Butyl Ether	25	370
Benzene	5.0	150
Toluene	5.0	550
Ethyl Benzene	5.0	160
Xylenes (Total)	5.0	1100
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	185 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

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Blaine Tech Services	Client Proj. ID: Shell 1285 Bancroft Ave.	Received: 04/16/99
1680 Rogers Avenue		
San Jose, CA 95112	Lab Proj. ID: 9904811	Reported: 05/05/99
Attention: Fran Thie		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 14 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPGM2W: Sample 9904811-03 had high surrogate recovery, due to matrix effect.

SEQUOIA ANALYTICAL

Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Shell 1285 Bancroft Ave.	Sampled: 04/16/99
1680 Rogers Avenue	Sample Descript: MW4	Received: 04/16/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 04/27/99
Attention: Fran Thie	Lab Number: 9904811-04	Reported: 05/05/99

QC Batch Number: GC042799BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**250**	**1800**
Methyl t-Butyl Ether	**50**	**1800**
Benzene	**2.5**	**92**
Toluene	**2.5**	**35**
Ethyl Benzene	**2.5**	**110**
Xylenes (Total)	**2.5**	**200**
Chromatogram Pattern:		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	109

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thei

Client Project ID: Shell 1285 Bancroft Ave.

QC Sample Group: 9904811-01 thru -04

Reported: May 5, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	MM
ANALYTE	Gasoline

QC Batch #: GC042699BTEX03A

Sample No.:	9904812-2
Date Prepared:	4/26/99
Date Analyzed:	4/26/99
Instrument I.D.#:	GCHP03
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	250
% Recovery:	99
Matrix pike Duplicate, ug/L:	220
% Recovery:	89
elative % Difference:	11
RPD Control Limits:	0-25

LCS Batch#: GC042699BTEX03A

Date Prepared:	4/26/99
Date Analyzed:	4/26/99
Instrument I.D.#:	GCHP03
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	220
LCS % Recovery:	90

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Kayvan Kimyai
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical

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May 3, 1999

Kayvan Kimyai
Sequoia - Redwood City
680 Chesapeake Drive
Redwood City, CA 94063

RE: Kayvan Kimyai/L904367

Dear Kayvan Kimyai:

Enclosed are the results of analyses for sample(s) received by the laboratory on April 29, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Mike Gregory
Project Manager D.M.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Sequoia - Redwood City	Project:	Kayvan Kimyai	Sampled:	4/16/99
680 Chesapeake Drive	Project Number:	9904811	Received:	4/29/99
Redwood City, CA 94063	Project Manager:	Kayvan Kimyai	Reported:	5/3/99

ANALYTICAL REPORT FOR L904367

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
9904811-04/MW4	L904367-01	Water	4/16/99

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Sequoia - Redwood City	Project:	Kayvan Kimyai	Sampled: 4/16/99
680 Chesapeake Drive	Project Number:	9904811	Received: 4/29/99
Redwood City, CA 94063	Project Manager:	Kayvan Kimyai	Reported: 5/3/99

Sample Description: **9904811-04/MW4**
Laboratory Sample Number: **L904367-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9040142	4/29/99	4/29/99		50.0	**2750**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*114*	%	

Sequoia Analytical

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1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Sequoia - Redwood City	Project:	Kayvan Kimyai	Sampled: 4/16/99
680 Chesapeake Drive	Project Number:	9904811	Received: 4/29/99
Redwood City, CA 94063	Project Manager:	Kayvan Kimyai	Reported: 5/3/99

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9040142	**Date Prepared: 4/28/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9040142-BLK1**									
Methyl tert-butyl ether	4/28/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.5*	"	*76.0-114*	*99.0*			
Blank	**9040142-BLK2**									
Methyl tert-butyl ether	4/29/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.2*	"	*76.0-114*	*100*			
Blank	**9040142-BLK3**									
Methyl tert-butyl ether	4/29/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.4*	"	*76.0-114*	*101*			
LCS	**9040142-BS1**									
Methyl tert-butyl ether	4/28/99	50.0		45.9	ug/l	70.0-130	91.8			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.0*	"	*76.0-114*	*98.0*			
LCS	**9040142-BS2**									
Methyl tert-butyl ether	4/29/99	50.0		42.8	ug/l	70.0-130	85.6			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*47.7*	"	*76.0-114*	*95.4*			
LCS	**9040142-BS3**									
Methyl tert-butyl ether	4/29/99	50.0		48.7	ug/l	70.0-130	97.4			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.1*	"	*76.0-114*	*102*			
Matrix Spike	**9040142-MS1**		**L904305-10**							
Methyl tert-butyl ether	4/28/99	50.0	59.4	107	ug/l	60.0-140	**95.2**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.4*	"	*76.0-114*	*105*			
Matrix Spike Dup	**9040142-MSD1**		**L904305-10**							
Methyl tert-butyl ether	4/28/99	50.0	59.4	106	ug/l	60.0-140	**93.2**	25.0	**2.12**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.7*	"	*76.0-114*	*101*			

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Sequoia - Redwood City	Project:	Kayvan Kimyai	Sampled: 4/16/99
680 Chesapeake Drive	Project Number:	9904811	Received: 4/29/99
Redwood City, CA 94063	Project Manager:	Kayvan Kimyai	Reported: 5/3/99

Notes and Definitions

#	Note
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
Recov.	Recovery
RPD	Relative Percent Difference

L904367

SEQUOIA ANALYTICAL
680 CHESAPEAKE DRIVE
REDWOOD CITY, CA 94063
TEL415-364-9600 FAX415-364-9233

SUB-CHAIN OF CUSTODY

PROJECT SUBBED TO: San Carlos

TAT REQUESTED: ☐ 24H ☐ 48H ☐ 72H ☐ 5D ☐ 10D

DUE DATE: 4/28/99

REPORT TO: K. Kimyai

WORKORDER # 9904811

PROJECT NAME: Blaine

	FRACTION NUMBER	SAMPLE DESCRIPTION	MATRIX	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	ANALYSIS REQUESTED: MTBE by 8260	REMARKS
01	04	MW4	L	1	VOA	4/16/99	X	

RELINQUISHED FROM SEQUOIA BY: DATE TIME
4/29/99

RECEIVED BY: DATE TIME
4-29 1300

SAMPLE CONDITION? GOOD

RELINQUISHED BY: DATE TIME
4-29 1315

RECEIVED BY: DATE TIME
042999 1315

TEMP? 8°C

RELINQUISHED BY: DATE TIME

RECEIVED BY: DATE TIME

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No: 990416-C1

Date:
Page 1 of 1

Site Address: 1285 Bancroft Ave., San Leandro, CA

WIC#: 204-6852-0703

Shell Engineer: Alex Perez — Phone No.: (510) 675-6168 Fax #: 675-6172

Consultant Name & Address: Blaine Tech Services. Inc. 1680 Rogers Ave., San Jose, CA 95112

Consultant Contact: Fran Thie — Phone No.: (408) 573-0555 Fax #: 573-7771

Comments: 9904811

Sampled by: Clint Bautz

Printed Name:

LAB: _____

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020 MTBE			Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
MW 1	4/16/99			X		3						X							01	
MW 2	"			X		3						X							02	
MW 3	"			X		3						X							03	
MW 4	"			X		3						X							04	
											CONFIRM HIGHEST MTBE HIT by EPA 8260									

Relinquished By (signature)	Printed Name	Date	Time	Received (signature)	Printed Name	Date	Time
Clint Bautz	Clint Bautz	4/16/99	1630	[signature]	LANCE P. DAVIDSON	4-16-99	1730
[signature]	LANCE DAVIDSON	4-16-99		Noelle Lane	Noelle Lane	4/16/99	1857

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS

Bill Of Lading or Custody

WELL GAUGING DATA

Project # 990416-C1 Date 4/16/99 Client Equiva

Site 1285 Bancroft Ave San Leandro

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW1	4					31.76	59.12	TOC	
MW2	4					31.52	59.00		
MW3	4					32.29	57.80		
MW4	4					33.06	54.70		

SHELL WELL MONITORING DATA SHEET

Project #: 990416-C1	WIC #: 204-6852-0703
Sampler: Clint	Date: 4/16/99
Well I.D.: MW1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 59.12	Depth to Water: ~~31~~ 31.76
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible ✓ / Extraction Pump / Other: _____

Sampling Method: Bailer ✓ / Extraction Port / Other: _____

18 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 54 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
9:06	66.0	6.9	500	28	18	
9:09	65.2	6.8	500	12	36	
9:12	65.2	6.8	400	8	52	

Did well dewater? Yes (No) Gallons actually evacuated: 54

Sampling Time: 9:15 Sampling Date: 4/16/99

Sample I.D.: MW-1 Laboratory: (Sequoia) Crosby

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

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

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

D.O. (if req'd): Pre-purge: ___ mg/L (Post-purge:) 1.0 mg/L

EQUIVA WELL MONITORING DATA SHEET

Project #: 990416-C1	Job # 204-6852-0703
Sampler: Clint	Date: 4/16/99
Well I.D.: MW 2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 59.00	Depth to Water: ~~32.29~~ 31.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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^2 * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible ✓ / Extraction Pump / Other: ___

Sampling Method: Bailer ✓ / Extraction Port / Other: ___

18 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 54 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
9:29	66.8	7.0	600	94.	18	
9:31	64.2	6.9	550	21	36	
9:34	63.8	6.9	800	11	54	

Did well dewater? Yes (No) Gallons actually evacuated: 54

Sampling Time: 9:40 Sampling Date: 4/16/99

Sample I.D.: MW2 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:)	10	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990416-C1	Job # 204-6852-0703
Sampler: CB	Date: 4/16/99
Well I.D.: MW3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 57.80	Depth to Water: 32.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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^2 * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible ✓ / Extraction Pump / Other: ___

Sampling Method: Bailer ✓ / Extraction Port / Other: ___

17 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 51 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
9:55	69.0	7.0	500	30.8	17	
9:57	68.0	7.0	500	18.0	34	
10:01	67.6	7.0	800	10.0	51	

Did well dewater? Yes (No) Gallons actually evacuated: 51

Sampling Time: 10:05 Sampling Date: 4/16/99

Sample I.D.: MW3 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:)	~~-2~~ 1.0	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990416-C1	Job # 204-8852-0703
Sampler: CB	Date: 4/16/99
Well I.D.: MW4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 54.70	Depth to Water: ~~37.76~~ 33.0
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC 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^2 * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible ✓ / Extraction Pump / Other: ___

Sampling Method: Bailer ✓ / Extraction Port / Other: ___

14 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 42 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
817	66.6	7.0	700	27	14	
~~820~~	66.0	7.0	540	30	28	
~~823~~	66.4	6.9	550	28	42	

Did well dewater? Yes (No) Gallons actually evacuated: 42

Sampling Time: 8:25 Sampling Date: 4/16/99

Sample I.D.: MW4 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:)	1.2	mV

ATTACHMENT B

Blaine Ground Water Monitoring Report
and Field Notes
(June 4, 1999)

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

June 30, 1999

Ann Pember
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

RE: Shell(2)/L906095

Dear Ann Pember:

Enclosed are the results of analyses for sample(s) received by the laboratory on June 4, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tim Costello
Lab Director

CA ELAP Certificate Number I-2360

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/30/99

ANALYTICAL REPORT FOR L906095

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-6NP	L906095-01	Water	6/4/99
MW-7NP	L906095-02	Water	6/4/99
MW-8NP	L906095-03	Water	6/4/99
MW-5NP	L906095-04	Water	6/4/99

Sequoia Analytical

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San Carlos, CA 94070-4111
(650) 232-9600
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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/30/99

Sample Description: MW-6NP
Laboratory Sample Number: L906095-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060110	6/18/99	6/18/99		20000	**36000**	ug/l	3
Benzene	"	"	"		200	**4240**	"	
Toluene	"	"	"		200	**1680**	"	
Ethylbenzene	"	"	"		200	**1100**	"	
Xylenes (total)	"	"	"		200	**4160**	"	
Methyl tert-butyl ether	"	"	"		2000	**11300**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*89.4*	%	
MTBE by EPA Method 8260A								1
Methyl tert-butyl ether	9060143	6/28/99	6/28/99		500	**17500**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*107*	%	

Sequoia Analytical

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San Carlos, CA 94070-4111
(650) 232-9600
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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/30/99

Sample Description: MW-7NP
Laboratory Sample Number: L906095-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060103	6/17/99	6/17/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*85.5*	%	

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/30/99

Sample Description: MW-8NP
Laboratory Sample Number: L906095-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060103	6/17/99	6/17/99		50	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	9060116	6/21/99	6/21/99		10.0	452	"	1
Surrogate: a,a,a-Trifluorotoluene	9060103	6/17/99	6/17/99	*70.0-130*		*86.7*	%	

Sequoia Analytical

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San Carlos, CA 94070-4111
(650) 232-9600
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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/30/99

Sample Description: MW-5NP
Laboratory Sample Number: L906095-04

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060110	6/18/99	6/18/99		50000	**159000**	ug/l	3
Benzene	"	"	"		500	**7190**	"	
Toluene	"	"	"		500	**39300**	"	
Ethylbenzene	"	"	"		500	**2450**	"	
Xylenes (total)	"	"	"		500	**16700**	"	
Methyl tert-butyl ether	"	"	"		5000	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*89.6*	%	

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/30/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9060103	**Date Prepared: 6/17/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	9060103-BLK1									
Purgeable Hydrocarbons as Gasoline	6/17/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.83*	"	*70.0-130*	*98.3*			
LCS	9060103-BS1									
Purgeable Hydrocarbons as Gasoline	6/17/99	250		281	ug/l	70.0-130	112			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.0*	"	*70.0-130*	*110*			
Matrix Spike	9060103-MS1		L906172-05							
Purgeable Hydrocarbons as Gasoline	6/17/99	250	ND	320	ug/l	60.0-140	128			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.22*	"	*70.0-130*	*92.2*			
Matrix Spike Dup	9060103-MSD1		L906172-05							
Purgeable Hydrocarbons as Gasoline	6/17/99	250	ND	319	ug/l	60.0-140	128	25.0	0	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.85*	"	*70.0-130*	*98.5*			
Batch: 9060110	**Date Prepared: 6/18/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	9060110-BLK1									
Purgeable Hydrocarbons as Gasoline	6/18/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.79*	"	*70.0-130*	*97.9*			
LCS	9060110-BS1									
Benzene	6/18/99	10.0		9.34	ug/l	70.0-130	93.4			
Toluene	"	10.0		9.69	"	70.0-130	96.9			
Ethylbenzene	"	10.0		9.93	"	70.0-130	99.3			
Xylenes (total)	"	30.0		29.6	"	70.0-130	98.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.22*	"	*70.0-130*	*92.2*			
Matrix Spike	9060110-MS1		L906175-02							
Benzene	6/19/99	10.0	ND	8.79	ug/l	60.0-140	87.9			
Toluene	"	10.0	ND	8.97	"	60.0-140	89.7			

Sequoia Analytical

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Blaine Tech Services	Project: Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number: Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager: Ann Pember	Reported: 6/30/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike (continued)	**9060110-MS1**		**L906175-02**							
Ethylbenzene	6/19/99	10.0	ND	9.18	ug/l	60.0-140	91.8			
Xylenes (total)	"	30.0	ND	27.6	"	60.0-140	92.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.18*	"	*70.0-130*	*81.8*			
Matrix Spike Dup	**9060110-MSD1**		**L906175-02**							
Benzene	6/19/99	10.0	ND	8.57	ug/l	60.0-140	85.7	25.0	2.53	
Toluene	"	10.0	ND	8.66	"	60.0-140	86.6	25.0	3.52	
Ethylbenzene	"	10.0	ND	8.67	"	60.0-140	86.7	25.0	5.71	
Xylenes (total)	"	30.0	ND	26.0	"	60.0-140	86.7	25.0	5.93	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.06*	"	*70.0-130*	*80.6*			
Batch: 9060116	**Date Prepared: 6/21/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9060116-BLK1**									
Purgeable Hydrocarbons as Gasoline	6/21/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.3*	"	*70.0-130*	*103*			
LCS	**9060116-BS1**									
Benzene	6/21/99	10.0		9.30	ug/l	70.0-130	93.0			
Toluene	"	10.0		8.58	"	70.0-130	85.8			
Ethylbenzene	"	10.0		9.67	"	70.0-130	96.7			
Xylenes (total)	"	30.0		28.1	"	70.0-130	93.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.74*	"	*70.0-130*	*97.4*			2
Matrix Spike	**9060116-MS1**									
Benzene	6/22/99	10.0	ND	9.15	ug/l	60.0-140	91.5			
Toluene	"	10.0	ND	8.97	"	60.0-140	89.7			
Ethylbenzene	"	10.0	ND	9.19	"	60.0-140	91.9			
Xylenes (total)	"	30.0	ND	28.8	"	60.0-140	95.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*ND*	"	*70.0-130*	*NR*			
Matrix Spike Dup	**9060116-MSD1**									
Benzene	6/22/99	10.0	ND	8.90	ug/l	60.0-140	89.0	25.0	2.77	
Toluene	"	10.0	ND	9.01	"	60.0-140	90.1	25.0	0.445	
Ethylbenzene	"	10.0	ND	9.33	"	60.0-140	93.3	25.0	1.51	
Xylenes (total)	"	30.0	ND	27.9	"	60.0-140	93.1	25.0	2.02	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*ND*	"	*70.0-130*	*NR*			

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/30/99

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9060143	**Date Prepared: 6/25/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9060143-BLK1**									
Methyl tert-butyl ether	6/25/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.8*	"	*76.0-114*	*110*			
Blank	**9060143-BLK2**									
Methyl tert-butyl ether	6/28/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*55.6*	"	*76.0-114*	*111*			
Blank	**9060143-BLK3**									
Methyl tert-butyl ether	6/28/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*55.9*	"	*76.0-114*	*112*			
LCS	**9060143-BS1**									
Methyl tert-butyl ether	6/25/99	50.0		44.7	ug/l	70.0-130	89.4			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.1*	"	*76.0-114*	*102*			
LCS	**9060143-BS2**									
Methyl tert-butyl ether	6/28/99	60.0		53.7	ug/l	70.0-130	89.5			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*56.4*	"	*76.0-114*	*113*			
LCS	**9060143-BS3**									
Methyl tert-butyl ether	6/28/99	50.0		46.6	ug/l	70.0-130	93.2			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*53.4*	"	*76.0-114*	*107*			
Matrix Spike	**9060143-MS1**		**L906285-02**							
Methyl tert-butyl ether	6/25/99	50.0	56.4	91.7	ug/l	60.0-140	70.6			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*47.4*	"	*76.0-114*	*94.8*			
Matrix Spike Dup	**9060143-MSD1**		**L906285-02**							
Methyl tert-butyl ether	6/25/99	50.0	56.4	103	ug/l	60.0-140	93.2	25.0	27.6	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.2*	"	*76.0-114*	*102*			

Sequoia Analytical

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bankcroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/30/99

Notes and Definitions

#	Note
1	MTBE was confirmed past hold-time.
2	The LCS will be used to validate this batch as the MS/MSD was not spiked with surrogate.
3	Chromatogram pattern: 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
Recov.	Recovery
RPD	Relative Percent Difference

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

CHAIN OF CUSTODY 990604-63

CLIENT Equiva – Karen Petryna

SITE 1285 Bancroft
San Leandro, CA
L 9106095

CONDUCT ANALYSIS TO DETECT

LAB SEQUOIA DHS #

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

SPECIAL INSTRUCTIONS
Send invoice to Equiva
Incident # 98996067
Send report to Blaine Tech Services
Attn: Ann Pember

SAMPLE I.D.			MATRIX S = SOIL W = H2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-6NP	6/4/99	1405	W	3	VOAs		X	X						Confirm highest MTBE hit by 8260			
MW-7NP	↓	1325	↓	↓	↓		X	X									
MW-8NP	↓	1223	↓	↓	↓		X	X									
MW-5NP	↓	1445	↓	↓	↓		X	X									

SAMPLING COMPLETED DATE 6/4/99 TIME 1510
SAMPLING PERFORMED BY [signature]
RESULTS NEEDED NO LATER THAN Normal TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	6/4/99				
			[signature]	6/8/99	1600

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

Sequoia Analytical

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June 7, 1999

Ann Pember
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

RE: Shell(2)/L906081

Dear Ann Pember:

Enclosed are the results of analyses for sample(s) received by the laboratory on June 4, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tim Costello
Lab Director

CA ELAP Certificate Number I-2360

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

ANALYTICAL REPORT FOR L906081

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
Irrigation Well	L906081-01	Water	6/4/99
MW-5	L906081-02	Water	6/4/99
MW-6	L906081-03	Water	6/4/99
MW-7	L906081-04	Water	6/4/99
MW-8	L906081-05	Water	6/4/99

Sequoia Analytical

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

Sample Description: **Irrigation Well**
Laboratory Sample Number: **L906081-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060026	6/4/99	6/4/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*84.7*	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9060043	6/7/99	6/7/99		2.00	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*111*	%	

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

Sample Description: MW-5
Laboratory Sample Number: L906081-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060036	6/6/99	6/6/99		20000	**80400**	ug/l	I
Benzene	"	"	"		200	**4400**	"	
Toluene	"	"	"		200	**26000**	"	
Ethylbenzene	"	"	"		200	**1480**	"	
Xylenes (total)	"	"	"		200	**11000**	"	
Methyl tert-butyl ether	"	"	"		2000	**3660**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*79.1*	%	

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

Sample Description: MW-6
Laboratory Sample Number: L906081-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060036	6/6/99	6/6/99		5000	**56900**	ug/l	1
Benzene	"	"	"		50.0	**6830**	"	
Toluene	"	"	"		50.0	**6050**	"	
Ethylbenzene	"	"	"		50.0	**1970**	"	
Xylenes (total)	"	"	"		50.0	**9060**	"	
Methyl tert-butyl ether	"	"	"		500	**17000**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*83.8*	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9060043	6/7/99	6/7/99		666	**24300**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*109*	%	

Sequoia Analytical

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

Sample Description: MW-7
Laboratory Sample Number: L906081-04

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060026	6/4/99	6/4/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	**0.663**	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	**0.677**	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	**11.7**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*86.5*	%	

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

Sample Description: MW-8
Laboratory Sample Number: L906081-05

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9060026	6/4/99	6/4/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	186	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*90.0*	%	

Sequoia Analytical

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9060026	**Date Prepared: 6/4/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9060026-BLK1**									
Purgeable Hydrocarbons as Gasoline	6/4/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.6*	"	*70.0-130*	*106*			
LCS	**9060026-BS1**									
Benzene	6/4/99	10.0		11.1	ug/l	70.0-130	111			
Toluene	"	10.0		11.1	"	70.0-130	111			
Ethylbenzene	"	10.0		11.4	"	70.0-130	114			
Xylenes (total)	"	30.0		32.4	"	70.0-130	108			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.7*	"	*70.0-130*	*107*			
Matrix Spike	**9060026-MS1**		**L906081-01**							
Benzene	6/4/99	10.0	ND	10.6	ug/l	60.0-140	106			
Toluene	"	10.0	ND	10.4	"	60.0-140	104			
Ethylbenzene	"	10.0	ND	10.8	"	60.0-140	108			
Xylenes (total)	"	30.0	ND	30.7	"	60.0-140	102			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.57*	"	*70.0-130*	*95.7*			
Matrix Spike Dup	**9060026-MSD1**		**L906081-01**							
Benzene	6/4/99	10.0	ND	10.0	ug/l	60.0-140	100	25.0	5.83	
Toluene	"	10.0	ND	9.94	"	60.0-140	99.4	25.0	4.52	
Ethylbenzene	"	10.0	ND	10.4	"	60.0-140	104	25.0	3.77	
Xylenes (total)	"	30.0	ND	29.6	"	60.0-140	98.7	25.0	3.29	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.50*	"	*70.0-130*	*95.0*			
Batch: 9060036	**Date Prepared: 6/6/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9060036-BLK1**									
Purgeable Hydrocarbons as Gasoline	6/6/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.23*	"	*70.0-130*	*82.3*			

Sequoia Analytical

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS	9060036-BS1									
Purgeable Hydrocarbons as Gasoline	6/6/99	250		253	ug/l	70.0-130	101			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.5*	"	*70.0-130*	*105*			
Matrix Spike	9060036-MS1		L905530-06							
Purgeable Hydrocarbons as Gasoline	6/6/99	250	ND	248	ug/l	60.0-140	99.2			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.44*	"	*70.0-130*	*84.4*			
Matrix Spike Dup	9060036-MSD1		L905530-06							
Purgeable Hydrocarbons as Gasoline	6/6/99	250	ND	236	ug/l	60.0-140	94.4	25.0	4.96	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.63*	"	*70.0-130*	*86.3*			

Sequoia Analytical

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Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9060043	**Date Prepared: 6/7/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9060043-BLK1**									
Methyl tert-butyl ether	6/7/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.1*	"	*76.0-114*	*104*			
LCS	**9060043-BS1**									
Methyl tert-butyl ether	6/7/99	50.0		60.7	ug/l	70.0-130	121			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.8*	"	*76.0-114*	*110*			
Matrix Spike	**9060043-MS1**		**L905493-08**							
Methyl tert-butyl ether	6/7/99	50.0	ND	57.3	ug/l	60.0-140	115			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*53.7*	"	*76.0-114*	*107*			
Matrix Spike Dup	**9060043-MSD1**		**L905493-08**							
Methyl tert-butyl ether	6/7/99	50.0	ND	58.2	ug/l	60.0-140	116	25.0	0.866	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.5*	"	*76.0-114*	*109*			

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Blaine Tech Services	Project:	Shell(2)	Sampled: 6/4/99
1680 Rogers Avenue	Project Number:	Shell 1285 Bancroft, San Leandro	Received: 6/4/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 6/7/99

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline 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
Recov.	Recovery
RPD	Relative Percent Difference

BLAINE TECH SERVICES INC.

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

CHAIN OF CUSTODY 990604-63

CLIENT: Equiva - Karen Petryna

SITE: 1285 Bancroft

San Leandro, CA

LAB: SEQUOIA DHS #

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

☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 98996067

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLE I.D.			MATRIX S = SOIL W = H2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
Irrigation Well	6/4/99	1133	W	3	VOA's		X		X				Confirm highest MTBE hit by 8260 for MW-5 - MW-8			
MW-5		1501					X	X								
MW-6		1425					X	X								
MW-7		1345					X	X								
MW-8		1245					X	X								

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	6/4/99	1510		24 hr TAT

RELEASED BY	DATE 6/4/99	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE 6/4/99	TIME 1400

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

SEP. -28'99(TUE) 11:28 BLAINE TECH SERVICES, INC TEL:408 573 7771 P.025

WELL GAUGING DATA

Project # 990604-G3 Date 6/4/99 Client Equiva 204 6852 0703

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-5	4					33.48	49.93	TOC	
MW-6	2					32.13	50.10	"	
MW-7	2					33.03	50.27	"	
MW-8	2					32.19	51.42	"	

EQUIVA WELL MONITORING DATA SHEET

Project #: 990604-63	Job # 204 6852 0703
Sampler: MB	Date: 6/4/99
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 49.93	Depth to Water: 33.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / Extraction Port / (Other: Disposable Bailer)

___ (1 Case Volume (Gals.)) X No Purge (Specified Volumes) ___ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1443	67.2	6.7	690	61	—	

Did well dewater? Yes (No)		Gallons actually evacuated: —	
Sampling Time: 1445		Sampling Date: 6/4/99	
Sample I.D.: MW-5 MP		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE TPH-D)		Other:	
D.O. (if req'd):	(Pre-purge): 1.7 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990604-63	Job # 204 6852 0703
Sampler: MG	Date: 6/4/99
Well I.D.: ~~MW-3~~ MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 49.93	Depth to Water: 33.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / Middleburg / X Electric Submersible / Extraction Pump / Other: ___

Sampling Method: X Bailer / Extraction Port / Other: ___

10.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 32.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1452	68.0	6.8	790	>200	11	Lt. Brown, Odor
1454	67.6	6.7	750	195	22	
1456	67.4	6.7	740	>200	33	

Did well dewater? Yes (No) Gallons actually evacuated: 33

Sampling Time: 1501 Sampling Date: 6/4/99

Sample I.D.: MW-5 Laboratory: (Sequoia) BC Other ___

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.9	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990604-63	Job # 204 6852 0703
Sampler: MB	Date: 6/4/99
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 50.10	Depth to Water: 32.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / Extraction Port / ~~Other~~: Disposable Bailer

___ (1 Case Volume (Gals.)) X No (Specified Volumes) Purge (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1400	66.0	6.7	950	>200	—	Odor

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

Sampling Time: 1405 Sampling Date: 6/4/99

Sample I.D.: MW-6NP Laboratory: (Sequoia) BC Other ___

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

D.O. (if req'd):	(Pre-purge):	1.3 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990604-63	Job # 204 6852 0703
Sampler: MG	Date: 6/4/99
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 50.10	Depth to Water: 32.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / ~~Middleburg~~ / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: ~~Bailer~~ / Extraction Port / Other: ___

2.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 8.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1411	65.9	6.6	950	>200	3	Brown, Odor
1415	65.7	6.6	950	>200	6	
1419	65.7	6.6	960	>200	9	

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 1425 Sampling Date: 6/4/99

Sample I.D.: MW-6 Laboratory: (Sequoia) BC Other ___

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

D.O. (if req'd):	Pre-purge:	1.3 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990604-63	Job # 204 6852 0703
Sampler: MB	Date: 6/4/99
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 50.27	Depth to Water: 33.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / Extraction Port / (X)ther: Disposable Bailer

1 Case Volume (Gals.)	x	No Specified Volumes	=	Purge Calculated Volume	Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1322	65.6	6.9	840	>200	—	

Did well dewater? Yes (No)		Gallons actually evacuated: —	
Sampling Time: 1325		Sampling Date: 6/4/99	
Sample I.D.: MW-7NP		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other:	
D.O. (if req'd):	Pre-purge:	1.4 mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990604-63	Job # 204 6852 0703
Sampler: MG	Date: 6/4/99
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 50.27	Depth to Water: 33.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / ~~Middleburg~~ / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / Extraction Port / Other: ___

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1334	65.1	6.8	780	>200	3	Brown
1338	65.1	6.8	780	>200	6	
1341	64.9	6.8	780	>200	9	

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 1345 Sampling Date: 6/4/99

Sample I.D.: MW-7 Laboratory: (Sequoia) BC Other ___

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

D.O. (if req'd):	Pre-purge:	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

Project #: 990604-63	Job # 204 6852 0703
Sampler: MB	Date: 6/4/99
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 51.42	Depth to Water: 32.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / ~~Middleburg~~ / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / Extraction Port / ~~Other~~: Disposable Bailer

___ (1 Case Volume (Gals.)) X No Purge (Specified Volumes) = ___ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1220	66.4	6.7	700	>200	—	
			~~5~~			

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

Sampling Time: 1223 Sampling Date: 6/4/99

Sample I.D.: MW-8 NP Laboratory: (Sequoia) BC Other ___

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

D.O. (if req'd): ~~Pre-purge~~:	2.1 mg/L	Post-purge:		mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:		mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990604-63	Job # 204 6852 0703
Sampler: MG	Date: 6/4/99
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 51.42	Depth to Water: 32.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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	radius² * 0.163

Purge Method: Bailer / ~~Middleburg~~ / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: ~~Bailer~~ / Extraction Port / Other: ___

3.1	X	3	=	9.3 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1232	66.1	6.9	680	>200	3.5	Brown
1236	65.5	6.8	680	>200	7.0	
1240	65.4	6.8	680	>200	10.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 10	
Sampling Time: 1245		Sampling Date: 6/4/99	
Sample I.D.: MW-8		Laboratory: (Sequoia) BC Other___	
Analyzed for: (TPH-G BTEX MTBE) TPH-D	Other:		
D.O. (if req'd): Pre-purge:	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

Project #: 990604-63	Job # 204 6852 0703
Sampler: MG	Date: 6/4/99
Well I.D.: Irrigation Well	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

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

Sampling Method: Bailer / Extraction Port / Other: _____

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
		Purged by Barryk from Cambrin for 30 min				
		No parameters needed per Barryk				

Did well dewater? Yes ~~No~~ (No) Gallons actually evacuated: 495

Sampling Time: 1133 Sampling Date: 6/4/99

Sample I.D.: Irrigation Well Laboratory: (Sequoia) BC Other _____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other: MTBE by 8260

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

ATTACHMENT C

Chavez Survey Results

Virgil Chavez Land Surveying
312 Georgia Street, Suite 200
Vallejo, California 94590-5907
(707) 553-2476 • Fax (707) 553-8698

June 30, 1999
Project No. 1703-21

Troy Bugle
Cambria Environmental
1144 65th Street, Suite C
Oakland, Ca. 94608

Subject: Monitoring Well Survey
Shell Service Station
1285 Bancroft Avenue
San Leandro, Ca.

Dear Mr. Bugle:

This is to confirm that we have proceeded at your request to survey the monitoring wells located at the above referenced location. The survey was performed on June 21, 1999. The benchmark for the survey was the disk in a monument well at the southeast corner of Estudillo Ave. and Bancroft Ave. Measurement locations were marked at approximate north side of top of box and top of casings. The stations and offsets are referenced to the face of the existing station building looking northerly.
Benchmark Elevation = 65.098 feet, MSL.

Monitoring Well No.	Rim Elevation	TOC Elevation
MW - 5	67.07'	66.50'
MW - 6	65.44'	64.98'
MW - 7	66.14'	65.83'
MW - 8	65.30'	65.07'

Well No.	Station	Offset
MW - 5	0-00.84	20.20(Rt.)
MW - 6	0+00.16	-39.36(Lt.)
MW - 7	0+87.35	-56.03(Lt.)
MW - 8	0-96.61	42.00(Rt.)
SE Bldg Cor.	0+00.00	0.00
NE Bldg Cor.	0+62.69	0.00

LICENSED LAND SURVEYOR
VIRGIL D. CHAVEZ
No. 6323
Exp. 12-31-02
STATE OF CALIFORNIA

Sincerely,

Virgil D. Chavez, PLS 6323