CAMBRIA

August 16, 2000

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

Re: **Second Quarter 2000 Monitoring Report**
Former Shell Service Station
1230 14th Street
Oakland, California
Incident #97088250
Cambria Project #242-0233-002

Dear Mr. Seto:

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

SECOND QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged water levels, measured dissolved oxygen (DO) concentrations, sampled selected wells, and calculated groundwater elevations. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, with supporting field notes, is included as Attachment A.

ANTICIPATED THIRD QUARTER 2000 ACTIVITIES

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

Site Conceptual Model: In correspondence dated May 11, 2000, Larry Seto of the Alameda County Health Care Services Agency (ACHCSA) concurred with Cambria's proposal for a Site Conceptual Model (SCM). Cambria will begin to develop a SCM for the site and submit the results to the ACHCSA.

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

Cambria Environmental Technology, Inc.

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

Vapor Extraction Pilot Test: Cambria will perform a five-day pilot vapor extraction test on wells VW/AS-1 and MW-1. The test will be conducted to evaluate the effectiveness of this technique on the elevated benzene concentrations in the vicinity of these wells.

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

REGISTERED GEOLOGIST
STEPHAN A. BORK
No. EG 2058
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

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

Figure: 1 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91501-7869
Tom Saberi, 1045 Airport Boulevard, Suite 12, South San Francisco, CA 94080
Matthew Dudley, Sedgwick, Detert, Moran, & Arnold, 1 Embarcadero Center, 16th Floor, San Francisco, California 94111-3628

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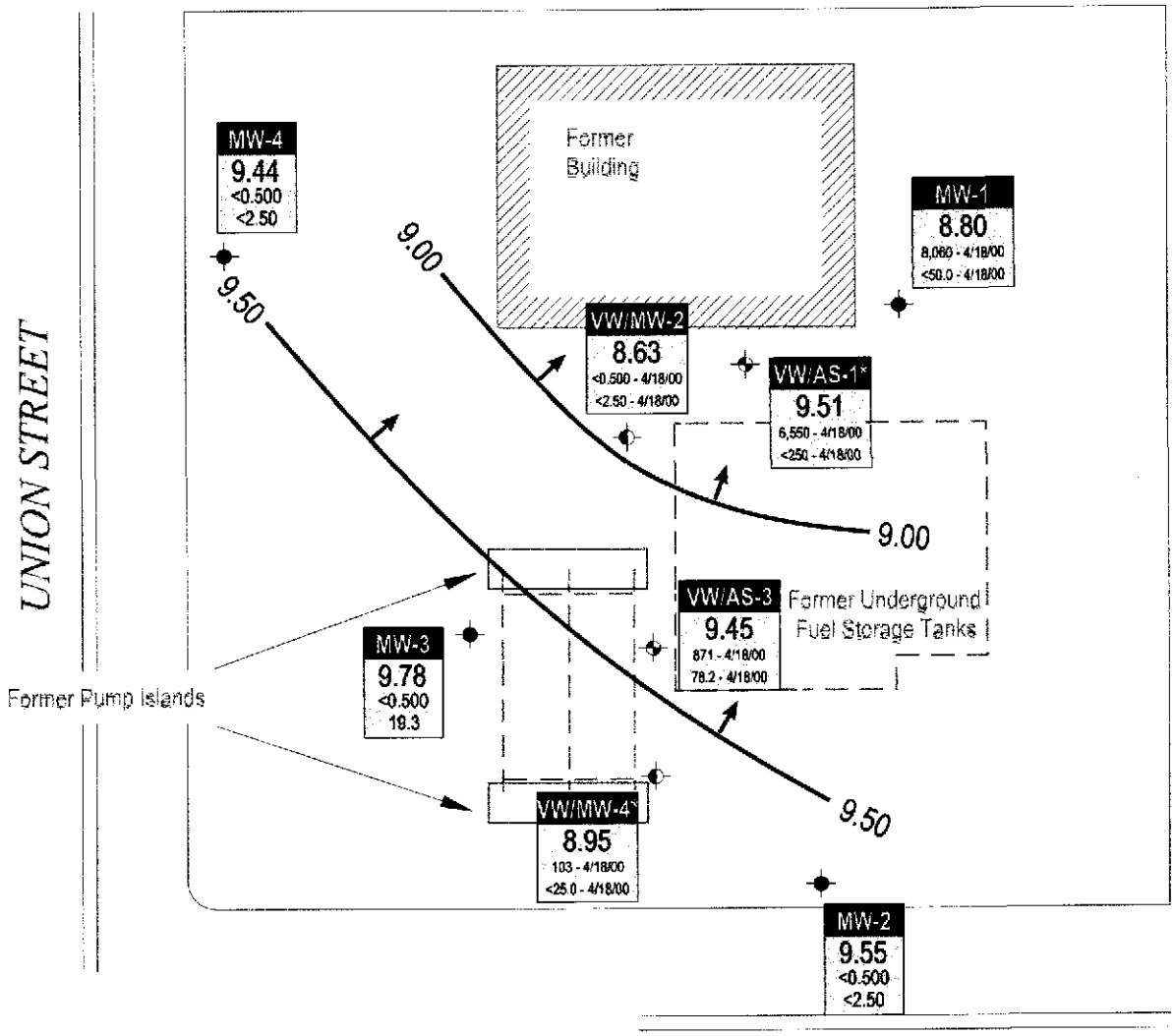

EXPLANATION

- **MW-1** ⊕ Monitoring well location
- **VW/AS-1** ⊕ Combination air sparge/soil vapor extraction well
- **VW/MW-2** ⊕ Combination soil vapor extraction well/monitoring well
- * Data anomalous, well not contoured
- → Groundwater flow direction
- ~XX.XX Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- 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

N

0 10 20

Scale (ft)

FIGURE **1**

G:\OAKLAND\1230-14TH\FIGURES\GM00-MP.DWG

Former Shell Service Station
1230 14th Street
Oakland, California
Incident #97088250

CAMBRIA

Groundwater Elevation Contour Map

April 17, 2000

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

BLAINE
TECH SERVICES, INC.

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

June 2, 2000

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

Second Quarter 2000 Groundwater Monitoring at
Former Shell Service Station
1230 14th Street
Oakland, CA

Monitoring performed on April 17 and 18, 2000

Groundwater Monitoring Report **000417-S-2**

This report covers the routine monitoring of groundwater wells at this Former Shell 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/jt

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Ste. C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

Well ID	Date	TPPH (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	3/25/96	37,000	7,400	1,500	720	3,300	<500	NA	18.58	9.53	9.05	NA
MW-1	6/21/96	35,000	9,900	460	340	3,500	890	NA	18.58	10.72	7.86	NA
MW-1	9/26/96	19,000	8,200	510	780	790	<250	NA	18.58	12.88	5.70	NA
MW-1	12/19/96	27,000	120	1,200	1,400	2,800	<100	NA	18.58	12.59	5.99	NA
MW-1	12/19/96	32,000	12,000	1,300	1,600	3,100	830	NA	18.58	12.59	5.99	NA
MW-1	3/25/97	39,000	13,000	1,600	840	3,100	730	NA	18.58	11.10	7.48	1.2
MW-1	6/26/97	NA	NA	NA	NA	NA	NA	NA	18.58	12.42	6.16	NA
MW-1	9/26/97	NA	NA	NA	NA	NA	NA	NA	18.58	13.31	5.27	0.8
MW-1	12/5/97	NA	NA	NA	NA	NA	NA	NA	18.58	12.65	5.93	0.3
MW-1	2/19/98	16,000	5,500	450	500	800	<500	NA	18.58	6.46	12.12	2.4
MW-1	6/8/98	NA	NA	NA	NA	NA	NA	NA	18.58	6.62	11.96	1.2
MW-1	8/25/98	NA	NA	NA	NA	NA	NA	NA	18.58	11.83	6.75	2.8
MW-1	12/28/98	NA	NA	NA	NA	NA	NA	NA	18.58	12.01	6.57	2.6
MW-1	3/26/99	NA	NA	NA	NA	NA	NA	NA	18.58	9.15	9.43	2.2
MW-1	6/30/99	NA	NA	NA	NA	NA	NA	NA	18.58	11.22	7.36	3.8
MW-1	9/30/99	NA	NA	NA	NA	NA	NA	NA	18.58	11.89	6.69	3.0
MW-1	12/27/99	34,800	8,660	953	956	2,770	<1,000	NA	18.58	13.55	5.03	2.4/2.1
MW-1	1/21/00	40,600	14,700	1,850	1,210	3,670	<500	NA	18.58	13.42	5.16	2.8
MW-1	3/7/00	NA	NA	NA	NA	NA	NA	NA	18.58	8.11	10.47	0.4
MW-1	4/17/00	NA	NA	NA	NA	NA	NA	NA	18.58	9.78	8.80	3.0/3.4
MW-1	4/18/00	18,300	8,060	543	528	872	<50.0	NA	18.58	NA	NA	NA
MW-2	3/25/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	8.19	9.71	NA
MW-2	6/21/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	9.94	7.96	NA
MW-2	9/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.15	5.75	NA
MW-2	12/19/96	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	17.90	11.70	6.20	NA
MW-2	3/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	9.25	8.65	1.8
MW-2	6/26/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	11.36	6.54	2.4

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

Well ID	Date	TPPH (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	9/26/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.56	5.34	1.1
MW-2	9/26/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.56	5.34	1.1
MW-2	12/5/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	11.15	6.75	0.7
MW-2	2/19/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	5.61	12.29	2.7
MW-2	6/8/98	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	17.90	5.58	12.32	3.2
MW-2	8/25/98	NA	NA	NA	NA	NA	NA	NA	17.90	10.67	7.23	1.7
MW-2	12/28/98	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	17.90	11.65	6.25	0.4/0.8
MW-2	3/26/99	NA	NA	NA	NA	NA	NA	NA	17.90	8.60	9.30	0.7
MW-2	6/30/99	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	17.90	10.30	7.60	2.3
MW-2	9/30/99	NA	NA	NA	NA	NA	NA	NA	17.90	10.77	7.13	1.9
MW-2	12/27/99	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	17.90	12.21	5.69	0.7/0.7
MW-2	3/7/00	NA	NA	NA	NA	NA	NA	NA	17.90	7.13	10.77	1.1
MW-2	4/17/00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	17.90	8.35	9.55	1.8/1.8
MW-3	3/25/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	8.47	9.71	NA
MW-3	6/21/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	10.40	7.78	NA
MW-3	9/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	12.45	5.73	NA
MW-3	12/19/96	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	18.18	12.14	6.02	NA
MW-3	3/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	9.54	8.64	2.2
MW-3	6/26/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	11.66	6.52	3.6
MW-3	9/26/97	<50	<0.50	<050	<0.50	<0.50	<2.5	NA	18.18	12.85	5.33	1.1
MW-3	12/5/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	11.44	6.74	0.6
MW-3	2/19/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	6.78	11.40	3.6
MW-3	6/8/98	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.18	6.82	11.36	3.8
MW-3	6/8/98	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.18	6.82	11.36	3.8
MW-3	8/25/98	NA	NA	NA	NA	NA	NA	NA	18.18	11.09	7.09	1.2
MW-3	12/28/98	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	18.18	11.84	6.34	0.9/0.6
MW-3	3/26/99	NA	NA	NA	NA	NA	NA	NA	18.18	8.57	9.61	0.8

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

Well ID	Date	TPPH (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	6/30/99	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.18	10.61	7.57	4.8
MW-3	9/30/99	NA	NA	NA	NA	NA	NA	NA	18.18	11.53	6.65	1.4
MW-3	12/27/99	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.18	12.35	5.83	1.4/2.5
MW-3	3/7/00	NA	NA	NA	NA	NA	NA	NA	18.17	7.36	10.81	5.8
MW-3	4/17/00	<50.0	<0.500	<0.500	<0.500	<0.500	19.3	NA	18.17	8.39	9.78	6.5/5.1
MW-4	3/25/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	9.20	8.81	NA
MW-4	6/21/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	10.25	7.76	NA
MW-4	9/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	12.29	5.72	NA
MW-4	12/19/96	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	18.01	12.47	5.54	NA
MW-4	3/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	9.44	8.57	1.8
MW-4	6/26/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.57	6.44	6.2
MW-4 (D)	6/26/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.57	6.44	6.2
MW-4	9/26/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	12.75	5.26	2.1
MW-4	12/5/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.37	6.64	1.0
MW-4 (D)	12/5/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.37	6.64	1.0
MW-4	2/19/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	5.59	12.42	6.5
MW-4	6/8/98	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.01	5.65	12.36	2.6
MW-4	8/25/98	NA	NA	NA	NA	NA	NA	NA	18.01	10.98	7.03	2.4
MW-4	12/28/98	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	18.01	11.83	6.18	1.3/1.2
MW-4	3/26/99	NA	NA	NA	NA	NA	NA	NA	18.01	8.40	9.61	1.9
MW-4	6/30/99	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.01	10.53	7.48	7.6
MW-4	9/30/99	NA	NA	NA	NA	NA	NA	NA	18.01	11.03	6.98	2.6
MW-4	12/27/99	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.01	12.53	5.48	1.9/0.8
MW-4	3/7/00	NA	NA	NA	NA	NA	NA	NA	18.01	7.00	11.01	6.5
MW-4	4/17/00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	18.01	8.57	9.44	5.1/5.1
VW/MW-2	3/25/96	13,000	900	920	180	1,500	<250	NA	18.30	9.04	9.26	NA

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

Well ID	Date	TPPH (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)
VW/MW-2	6/21/96	27,000	4,100	1,100	1,400	3,200	700	NA	18.30	10.48	7.82	NA
VW/MW-2	9/26/96	27,000	5,300	1,900	980	2,200	<500	NA	18.30	12.52	5.78	NA
VW/MW-2 (D)	9/26/96	29,000	5,800	2,200	1,100	2,500	<250	NA	18.30	12.52	5.78	NA
VW/MW-2	12/19/96	50,000	6,200	5,100	1,700	5,600	590	NA	18.30	12.42	5.88	NA
VW/MW-2	3/25/97	210	5.6	<0.50	0.52	<0.50	14	NA	18.30	9.83	8.47	2.0
VW/MW-2 (D)	3/25/97	250	1.7	0.58	0.51	<0.50	4.7	NA	18.30	9.83	8.47	2.0
VW/MW-2	6/26/97	NA	NA	NA	NA	NA	NA	NA	18.30	12.43	5.87	NA
VW/MW-2	9/26/97	NA	NA	NA	NA	NA	NA	NA	18.30	12.98	5.32	0.9
VW/MW-2	12/5/97	NA	NA	NA	NA	NA	NA	NA	18.30	12.20	6.10	0.4
VW/MW-2	2/19/98	<50	1.5	<0.50	<0.50	0.71	<2.5	NA	18.30	5.83	12.47	3.6
VW/MW-2	6/8/98	NA	NA	NA	NA	NA	NA	NA	18.30	5.80	12.50	1.0
VW/MW-2	8/25/98	NA	NA	NA	NA	NA	NA	NA	18.30	11.72	6.58	4.8
VW/MW-2	12/28/98	NA	NA	NA	NA	NA	NA	NA	18.30	11.69	6.61	2.7
VW/MW-2	3/26/99	NA	NA	NA	NA	NA	NA	NA	18.30	8.75	9.55	2.8
VW/MW-2	6/30/99	NA	NA	NA	NA	NA	NA	NA	18.30	10.72	7.58	4.7
VW/MW-2	9/30/99	NA	NA	NA	NA	NA	NA	NA	18.30	12.24	6.06	4.9
VW/MW-2	12/27/99	13,500	1,330	1,310	490	1,400	<250	NA	18.30	13.92	4.38	2.1/1.9
VW/MW-2	1/21/00	12,100	2,200	1,080	429	1,120	<250	NA	18.30	13.26	5.04	2.8
VW/MW-2	3/7/00	NA	NA	NA	NA	NA	NA	NA	18.28	7.87	10.41	3.7
VW/MW-2	4/17/00	NA	NA	NA	NA	NA	NA	NA	18.28	9.65	8.63	3.7/4.1
VW/MW-2	4/18/00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	18.28	NA	NA	NA
VW/MW-4	3/25/96	83,000	6,500	7,000	2,000	11,000	<250	NA	18.14	8.45	9.69	NA
VW/MW-4 (D)	3/25/96	84,000	6,400	7,000	2,100	12,000	<250	NA	18.14	8.45	9.69	NA
VW/MW-4	6/21/96	110,000	14,000	15,000	3,700	17,000	1,700	NA	18.14	10.38	7.76	NA
VW/MW-4 (D)	6/21/96	100,000	12,000	12,000	2,900	13,000	<1,000	NA	18.14	10.38	7.76	NA
VW/MW-4	9/26/96	52,000	13,000	2,700	2,100	3,200	<500	NA	18.14	12.43	5.71	NA
VW/MW-4	12/19/96	75,000	15,000	6,600	3,000	7,600	<1,250	NA	18.14	11.87	6.27	NA

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

Well ID	Date	TPPH (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)
VW/MW-4	3/25/97	56,000	4,700	1,500	2,500	6,300	580	NA	18.14	9.60	8.54	2.4
VW/MW-4	6/26/97	NA	NA	NA	NA	NA	NA	NA	18.14	12.36	5.78	NA
VW/MW-4	9/26/97	NA	NA	NA	NA	NA	NA	NA	18.14	12.82	5.32	0.4
VW/MW-4	12/5/97	NA	NA	NA	NA	NA	NA	NA	18.14	12.15	5.99	0.3
VW/MW-4	2/19/98	4,100	320	40	44	520	<50	NA	18.14	5.85	12.29	1.8
VW/MW-4 (D)	02/19/98	4,300	340	44	47	540	<50	NA	18.14	5.85	12.29	1.8
VW/MW-4	6/8/98	NA	NA	NA	NA	NA	NA	NA	18.14	5.87	12.27	1.8
VW/MW-4	8/25/98	NA	NA	NA	NA	NA	NA	NA	18.14	10.96	7.18	2.5
VW/MW-4	12/28/98	NA	NA	NA	NA	NA	NA	NA	18.14	11.28	6.86	0.9
VW/MW-4	3/26/99	NA	NA	NA	NA	NA	NA	NA	18.14	8.45	9.69	1.9
VW/MW-4	6/30/99	NA	NA	NA	NA	NA	NA	NA	18.14	9.70	8.44	3.6
VW/MW-4	9/30/99	NA	NA	NA	NA	NA	NA	NA	18.14	11.78	6.36	2.6
VW/MW-4	12/27/99	33,900	3,740	2,000	1,130	5,090	587	NA	18.14	12.63	5.51	0.4/0.2
VW/MW-4	01/21/200	13,900	1,560	568	227	1,990	<500	21.0a	18.14	13.07	5.07	1.0
VW/MW-4	3/7/00	NA	NA	NA	NA	NA	NA	NA	18.13	7.82	10.31	0.9
VW/MW-4	4/17/00	NA	NA	NA	NA	NA	NA	NA	18.13	9.18	8.95	1.4/1.9
VW/MW-4	4/18/00	757	103	8.59	30.8	84.2	<25.0	NA	18.13	NA	NA	NA
VW/AS-1	3/25/96	NA	NA	NA	NA	NA	NA	NA	18.60	8.98	9.62	NA
VW/AS-1	6/21/96	NA	NA	NA	NA	NA	NA	NA	18.60	10.95	7.65	NA
VW/AS-1	9/26/96	NA	NA	NA	NA	NA	NA	NA	18.60	12.98	5.62	NA
VW/AS-1	12/19/96	NA	NA	NA	NA	NA	NA	NA	18.60	12.67	5.93	NA
VW/AS-1	3/25/97	NA	NA	NA	NA	NA	NA	NA	18.60	10.12	8.48	NA
VW/AS-1	6/26/97	NA	NA	NA	NA	NA	NA	NA	18.60	12.34	6.26	NA
VW/AS-1	9/26/97	NA	NA	NA	NA	NA	NA	NA	18.60	13.40	5.20	NA
VW/AS-1	12/5/97	NA	NA	NA	NA	NA	NA	NA	18.60	11.96	6.64	5.2
VW/AS-1	2/19/98	NA	NA	NA	NA	NA	NA	NA	18.60	6.22	12.38	1.3
VW/AS-1	6/8/98	NA	NA	NA	NA	NA	NA	NA	18.60	6.20	12.40	1.0

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

Well ID	Date	TPPH (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)
VW/AS-1	8/25/98	NA	NA	NA	NA	NA	NA	NA	18.60	11.59	7.01	1.6
VW/AS-1	12/28/98	NA	NA	NA	NA	NA	NA	NA	18.60	11.74	6.86	1.3
VW/AS-1	3/26/99	NA	NA	NA	NA	NA	NA	NA	18.60	9.20	9.40	1.3
VW/AS-1	6/30/99	NA	NA	NA	NA	NA	NA	NA	18.60	11.08	7.52	2.1
VW/AS-1	9/30/99	NA	NA	NA	NA	NA	NA	NA	18.60	11.94	6.66	1.9
VW/AS-1	12/27/99	8,940	2,000	95.7	1,200	570	606	NA	18.60	11.01	7.59	1.6/1.8
VW/AS-1	3/7/00	NA	NA	NA	NA	NA	NA	NA	18.59	7.35	11.24	NA
VW/AS-1	4/17/00	NA	NA	NA	NA	NA	NA	NA	18.59	9.08	9.51	1.9/2.0
VW/AS-1	4/18/00	20,800	6,550	1,220	2,270	1,720	<250	NA	18.59	NA	NA	NA
VW/AS-3	3/25/96	NA	NA	NA	NA	NA	NA	NA	18.17	8.50	9.67	NA
VW/AS-3	6/21/96	NA	NA	NA	NA	NA	NA	NA	18.17	10.42	7.75	NA
VW/AS-3	9/26/96	NA	NA	NA	NA	NA	NA	NA	18.17	12.49	5.68	NA
VW/AS-3	12/19/96	NA	NA	NA	NA	NA	NA	NA	18.17	12.28	5.89	NA
VW/AS-3	3/25/97	NA	NA	NA	NA	NA	NA	NA	18.17	9.61	8.56	NA
VW/AS-3	6/26/97	NA	NA	NA	NA	NA	NA	NA	18.17	11.80	6.37	NA
VW/AS-3	9/26/97	NA	NA	NA	NA	NA	NA	NA	18.17	12.89	5.28	NA
VW/AS-3	12/5/97	NA	NA	NA	NA	NA	NA	NA	18.17	11.38	6.79	1.8
VW/AS-3	2/19/98	NA	NA	NA	NA	NA	NA	NA	18.17	6.24	11.93	1.3
VW/AS-3	6/8/98	NA	NA	NA	NA	NA	NA	NA	18.17	6.25	11.92	1.2
VW/AS-3	8/25/98	NA	NA	NA	NA	NA	NA	NA	18.17	11.43	6.74	1.3
VW/AS-3	12/28/98	NA	NA	NA	NA	NA	NA	NA	18.17	11.63	6.54	1.7
VW/AS-3	3/26/99	NA	NA	NA	NA	NA	NA	NA	18.17	8.92	9.25	1.5
VW/AS-3	6/30/99	NA	NA	NA	NA	NA	NA	NA	18.17	10.71	7.46	2.5
VW/AS-3	9/30/99	NA	NA	NA	NA	NA	NA	NA	18.17	11.78	6.39	1.5
VW/AS-3	12/27/99	488	47.9	2.60	16.9	8.50	35.4	NA	18.17	12.57	5.60	1.5/2.1
VW/AS-3	3/7/00	NA	NA	NA	NA	NA	NA	NA	18.14	4.82	13.32	NA
VW/AS-3	4/17/00	NA	NA	NA	NA	NA	NA	NA	18.14	8.69	9.45	2.0/2.4

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

Well ID	Date	TPPH (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)
VW/AS-3	4/18/00	3,110	871	<5.00	141	56.8	78.2	NA	18.14	NA	NA	NA

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020
MTBE = methyl-tertiary-butyl ether by EPA Method 8020
TOC = Top of Casing Elevation
GW = Groundwater
DO = Dissolved Oxygen
NA = Not applicable
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 Readings

Notes:
a = Sample was analyzed outside of the EPA recommended holding time.

Sequoia Analytical

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May 3, 2000

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

RE: Shell

Dear Nick Sudano

Enclosed are the results of analyses for sample(s) received by the laboratory on April 19, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ted Terrasas
Project Manager

CA ELAP Certificate Number 1210

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Blaine Tech Services (Shell)	Project:	Shell	Sampled: 4/17/00 to 4/18/00
1680 Rogers Avenue	Project Number:	1230 14th Street. Oakland	Received: 4/19/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 5/3/00 11:13

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-2	MJD0577-01	Water	4/17/00
MW-3	MJD0577-02	Water	4/17/00
MW-4	MJD0577-03	Water	4/17/00
MW-1	MJD0577-04	Water	4/18/00
VW/MW-2	MJD0577-05	Water	4/18/00
VW/MW-4	MJD0577-06	Water	4/18/00
VW/AS-1	MJD0577-07	Water	4/18/00
VW/AS-3	MJD0577-08	Water	4/18/00

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

Ted Terrasas, Project Manager

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Blaine Tech Services (Shell)	Project:	Shell	Sampled: 4/17/00 to 4/18/00
1680 Rogers Avenue	Project Number:	1230 14th Street, Oakland	Received: 4/19/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 5/3/00 11:13

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-2			**MJD0577-01**				**Water**	
Purgeable Hydrocarbons	0D27003	4/27/00	4/27/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*105*	%	
MW-3			**MJD0577-02**				**Water**	
Purgeable Hydrocarbons	0D27003	4/27/00	4/27/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	**19.3**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*102*	%	
MW-4			**MJD0577-03**				**Water**	
Purgeable Hydrocarbons	0D27003	4/27/00	4/27/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*94.6*	%	
MW-1			**MJD0577-04**				**Water**	
Purgeable Hydrocarbons	0D26003	4/26/00	4/26/00	DHS LUFT	1000	**18300**	ug/l	P-01
Benzene	"	"	4/27/00	DHS LUFT	100	**8060**	"	
Toluene	"	"	4/26/00	DHS LUFT	10.0	**543**	"	
Ethylbenzene	"	"	"	DHS LUFT	10.0	**528**	"	
Xylenes (total)	"	"	"	DHS LUFT	10.0	**872**	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	50.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*108*	%	
VW/MW-2			**MJD0577-05**				**Water**	
Purgeable Hydrocarbons	0D27001	4/27/00	4/27/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	

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Blaine Tech Services (Shell)	Project:	Shell	Sampled: 4/17/00 to 4/18/00
1680 Rogers Avenue	Project Number:	1230 14th Street, Oakland	Received: 4/19/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 5/3/00 11:13

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
VW/MW-2 (continued)			**MJD0577-05**				**Water**	
Toluene	0D27001	4/27/00	4/27/00	DHS LUFT	0.500	ND	ug/l	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*111*	%	
VW/MW-4			**MJD0577-06**				**Water**	
Purgeable Hydrocarbons	0D27001	4/27/00	4/27/00	DHS LUFT	500	**757**	ug/l	
Benzene	"	"	"	DHS LUFT	5.00	**103**	"	
Toluene	"	"	"	DHS LUFT	5.00	**8.59**	"	
Ethylbenzene	"	"	"	DHS LUFT	5.00	**30.8**	"	
Xylenes (total)	"	"	"	DHS LUFT	5.00	**84.2**	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	25.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*87.3*	%	
VW/AS-1			**MJD0577-07**				**Water**	
Purgeable Hydrocarbons	0D27001	4/27/00	4/27/00	DHS LUFT	5000	**20800**	ug/l	
Benzene	"	"	"	DHS LUFT	50.0	**6550**	"	
Toluene	"	"	"	DHS LUFT	50.0	**1220**	"	
Ethylbenzene	"	"	"	DHS LUFT	50.0	**2270**	"	
Xylenes (total)	"	"	"	DHS LUFT	50.0	**1720**	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	250	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*102*	%	
VW/AS-3			**MJD0577-08**				**Water**	
Purgeable Hydrocarbons	0D26003	4/26/00	4/26/00	DHS LUFT	500	**3110**	ug/l	P-01
Benzene	"	"	4/27/00	DHS LUFT	10.0	**871**	"	
Toluene	"	"	4/26/00	DHS LUFT	5.00	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	5.00	**141**	"	
Xylenes (total)	"	"	"	DHS LUFT	5.00	**56.8**	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	25.0	**78.2**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*117*	%	

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Blaine Tech Services (Shell)	Project:	Shell	Sampled: 4/17/00 to 4/18/00
1680 Rogers Avenue	Project Number:	1230 14th Street, Oakland	Received: 4/19/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 5/3/00 11:13

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-2			**MJD0577-01**				**Water**	
TRPH	0D20036	4/20/00	4/21/00	SM 5520B/F	5.00	ND	mg/l	
MW-3			**MJD0577-02**				**Water**	
TRPH	0D20036	4/20/00	4/21/00	SM 5520B/F	5.00	ND	mg/l	
MW-4			**MJD0577-03**				**Water**	
TRPH	0D20036	4/20/00	4/21/00	SM 5520B/F	5.00	ND	mg/l	
MW-1			**MJD0577-04**				**Water**	
TRPH	0D20036	4/20/00	4/21/00	SM 5520B/F	5.00	ND	mg/l	
VW/MW-2			**MJD0577-05**				**Water**	
TRPH	0D20036	4/20/00	4/21/00	SM 5520B/F	5.00	ND	mg/l	
VW/MW-4			**MJD0577-06**				**Water**	
TRPH	0D20036	4/20/00	4/21/00	SM 5520B/F	5.00	ND	mg/l	
VW/AS-1			**MJD0577-07**				**Water**	
TRPH	0D20036	4/20/00	4/21/00	SM 5520B/F	5.00	ND	mg/l	
VW/AS-3			**MJD0577-08**				**Water**	
TRPH	0D20036	4/20/00	4/21/00	SM 5520B/F	5.00	ND	mg/l	

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1680 Rogers Avenue	Project Number:	1230 14th Street, Oakland	Received: 4/19/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 5/3/00 11:13

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0D26003	**Date Prepared: 4/26/00**				**Extraction Method: EPA 5030B [P/T]**					
Blank	**0D26003-BLK1**									
Purgeable Hydrocarbons	4/26/00			**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**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.7*	"	*70-130*	*107*			
LCS	**0D26003-BS1**									
Benzene	4/26/00	10.0		11.3	ug/l	70-130	113			
Toluene	"	10.0		10.00	"	70-130	100			
Ethylbenzene	"	10.0		9.24	"	70-130	92.4			
Xylenes (total)	"	30.0		27.9	"	70-130	93.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.7*	"	*70-130*	*107*			
Matrix Spike	**0D26003-MS1**		**MJD0582-01**							
Benzene	4/26/00	10.0	ND	11.0	ug/l	60-140	**110**			
Toluene	"	10.0	ND	9.83	"	60-140	**98.3**			
Ethylbenzene	"	10.0	ND	9.20	"	60-140	**92.0**			
Xylenes (total)	"	30.0	ND	27.6	"	60-140	**92.0**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.4*	"	*70-130*	*104*			
Matrix Spike Dup	**0D26003-MSD1**		**MJD0582-01**							
Benzene	4/26/00	10.0	ND	11.3	ug/l	60-140	**113**	25	**2.69**	
Toluene	"	10.0	ND	10.1	"	60-140	**101**	25	**2.71**	
Ethylbenzene	"	10.0	ND	9.36	"	60-140	**93.6**	25	**1.72**	
Xylenes (total)	"	30.0	ND	28.2	"	60-140	**94.0**	25	**2.15**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.5*	"	*70-130*	*105*			
Batch: 0D27001	**Date Prepared: 4/27/00**				**Extraction Method: EPA 5030B [P/T]**					
Blank	**0D27001-BLK1**									
Purgeable Hydrocarbons	4/27/00			**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**	"	**2.50**				

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1680 Rogers Avenue	Project Number:	1230 14th Street, Oakland	Received: 4/19/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 5/3/00 11:13

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0D27001-BLK1**									
Surrogate: a,a,a-Trifluorotoluene	*4/27/00*	*10.0*		*10.1*	*ug/l*	*70-130*	*101*			
LCS	**0D27001-BS1**									
Purgeable Hydrocarbons	4/27/00	250		212	ug/l	70-130	84.8			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.9*	"	*70-130*	*109*			
Matrix Spike	**0D27001-MS1**	**MJD0696-01**								
Purgeable Hydrocarbons	4/27/00	250	ND	214	ug/l	60-140	**85.6**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.8*	"	*70-130*	*108*			
Matrix Spike Dup	**0D27001-MSD1**	**MJD0696-01**								
Purgeable Hydrocarbons	4/27/00	250	ND	222	ug/l	60-140	**88.8**	25	**3.67**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.8*	"	*70-130*	*108*			
Batch: 0D27003	**Date Prepared: 4/27/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0D27003-BLK1**									
Purgeable Hydrocarbons	4/27/00			**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**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.4*	"	*70-130*	*104*			
LCS	**0D27003-BS1**									
Purgeable Hydrocarbons	4/27/00	250		262	ug/l	70-130	105			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70-130*	*102*			
Matrix Spike	**0D27003-MS1**	**MJD0696-15**								
Purgeable Hydrocarbons	4/27/00	250	ND	219	ug/l	60-140	**87.6**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.4*	"	*70-130*	*114*			
Matrix Spike Dup	**0D27003-MSD1**	**MJD0696-15**								
Purgeable Hydrocarbons	4/27/00	250	ND	220	ug/l	60-140	**88.0**	25	**0.456**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.2*	"	*70-130*	*122*			

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Shell	Sampled: 4/17/00 to 4/18/00
1680 Rogers Avenue	Project Number:	1230 14th Street, Oakland	Received: 4/19/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 5/3/00 11:13

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0D20036	**Date Prepared: 4/20/00**					**Extraction Method: General Prep**				
Blank	**0D20036-BLK1**									
TRPH	4/21/00			**ND**	mg/l	**5.00**				
LCS	**0D20036-BS1**									
TRPH	4/21/00	10.0		9.00	mg/l	70-130	90.0			
LCS Dup	**0D20036-BSD1**									
TRPH	4/21/00	10.0		8.70	mg/l	70-130	87.0	30	3.39	

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1680 Rogers Avenue	Project Number:	1230 14th Street, Oakland	Received:	4/19/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported:	5/3/00 11:13

Notes and Definitions

#	Note
P-01	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

CLIENT: Equiva - Karen Petryna

SITE: 1230 14th Street
Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB | DHS #

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

☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

MJ00577

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97088250

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLE I.D.	Date	Time	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	TOG	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
~~MW-1~~																
MW-2	4/17/00	1448	W	5		X	X					X				1
MW-3	4/17/00	1510	W	5		X	X					X				2
MW-4	4/17/00	1543	W	5		X	X					X				3
~~VW/MW-2~~																
~~VW/MW-4~~																
~~VW/AS-1~~																
~~VW/AS-2~~																

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	4/19/00	9:18		4/19/00	9:18
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	4/19/00		BN	4/19/00	12:56
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
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CHAIN OF CUSTODY

CLIENT: Equiva - Karen Petryna

SITE: 1230 14th Street
Oakland, CA

LAB

DHS #

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

☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER MJ00527

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97088250

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	TPH	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	4/13/00	13:45	W	5		X	X					X				4
VW/MW-2		13:00	W	5		X	X					X				5
VW/MW-4		13:22	W	5		X	X					X				6
VW/AS-1		12:40	W	5		X	X					X				7
VW/AS-3	↓	12:10	W	5		X	X					X				8

SAMPLING COMPLETED	DATE	TIME
	4/13/00	14:00

SAMPLING PERFORMED BY: [signature]

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	4/14/00	9:18	[signature]	4/14/00	9:18
[signature]	4/19/00		BN (MH)	4/19/00	

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 000417-S2 Date 4/17/00 Client Shell

Site 1230 14th St. Oakland, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	Pulled out ORC				9.78	20.91	TOC	
MW-2	2					8.35	21.53		
MW-3	2					8.39	19.38		
MW-4	2					8.57	19.77		
VW/MW-2	2	Pulled out ORC				9.65	20.31		
VW/MW-4	2	Pulled out ORC				9.18	18.56		
VW/AS-1	1					9.08	18.77		
VW/AS-3	1					8.69	19.55	↓	

EQUIVA WELL MONITORING DATA SHEET

Project #: 00047-52	Job # 204-5508-3103
Sampler: GT	Date: 4/18/00
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 20.91	Depth to Water: 9.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) TOC 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: ___

1.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:32	64.5	7.2	1633	7200	2	
13:36	65.1	7.2	1742	7200	4	
13:40	64.9	7.2	1700	7200	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 13:45 Sampling Date: 4/18/00

Sample I.D.: MW-1 Laboratory: (Sequoia) BC Other ___

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

D.O. (if req'd):	Pre-purge:	3.0 mg/L	Post-purge:	3.4 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

EQUIVA WELL MONITORING DATA SHEET

Project #: 000417-S2	Job # 204-5508-3103
Sampler: Stephan	Date: 4/17/00
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.77	Depth to Water: 8.57
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: ___

1.79 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.38 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1530	71.1	6.4	367.9	137	2	Turbid
1534	68.4	6.4	290.9	87	4	"
1538	67.8	6.4	285.4	73	6	"

Did well dewater? Yes (No)		Gallons actually evacuated: 6	
Sampling Time: 1543		Sampling Date: 4/17/00	
Sample I.D.: MW-4		Laboratory: (Sequoia) BC Other ___	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other: TOG	
D.O. (if req'd):	Pre-purge: 5.1 mg/L	Post-purge: 5.1	mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 080417-52	Job #: 204 - 5508 - 3103
Sampler: ET	Date: 4/18/00
Well I.D.: VW/MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 20.31	Depth to Water: 9.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) TOC 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: ____

1.7	X	3	=	5.1	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:49	67.3	6.9	808	>200	2	
12:52	66.9	6.9	814	>200	4	
12:55	67.1	6.9	809	>200	6	

Did well dewater? Yes (No)			Gallons actually evacuated: 6		
Sampling Time: 13:00			Sampling Date: 4/18/00		
Sample I.D.: VW/MW-2			Laboratory: (Sequoia) BC Other ____		
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: TOC					
D.O. (if req'd):	Pre-purge:	3.7 mg/L	Post-purge:	4.1 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

EQUIVA WELL MONITORING DATA SHEET

Project #: 00417-52	Job # [redacted] 204-5508-31
Sampler: GT	Date: 4/18/00
Well I.D.: VW/AS-3	Well Diameter: 2 3 4 6 8 (1)
Total Well Depth: 19.55	Depth to Water: 8.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC TOC 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

10.94

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

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

8.86

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
.4	X	3	=	1.2 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:00	64.1	6.7	1039	7200	.5	
12:03	65.1	6.7	1070	143	1.0	
12:07	64.9	6.7	1074	127	1.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 1.5	
Sampling Time: 12:10		Sampling Date: 4/18/00	
Sample I.D.: VW/AS-3		Laboratory: (Sequoia) BC Other _____	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: TOG			
D.O. (if req'd):	Pre-purge: 2.0 mg/L	Post-purge: 2.4	mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge:	mV