CAMBRIA

ENVIRONMENTAL PROTECTION

99 AUG 24 PM 4:42

August 15, 1999

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway #250
Alameda, California 94502

#229

Re: **Quarterly Monitoring Report - Second Quarter 1999**
Former Shell Service Station
2101 Park Boulevard
Oakland, California
SAP #129402
Incident #97088251
ACHCSA St ID #229

Dear Mr. Chan:

This Quarterly Monitoring Report describes the recently completed activities associated with groundwater monitoring and sampling at the referenced site (Plates 1 and 2). This report was prepared to meet quarterly reporting guidelines issued by the Regional Water Quality Control Board, San Francisco Bay Region and the Alameda County Health Care Services Agency (ACHCSA).

Quarterly Monitoring & Sampling Summary

Groundwater monitoring and sampling for the second quarter of 1999 is summarized below:

- Blaine Tech Services Inc. (Blaine), of San Jose, California measured groundwater levels in Wells S-1, S-2, and S-3 and collected groundwater samples from Well S-3 on June 30, 1999. The samples were transported to Sequoia Analytical of San Carlos and Morgan Hill, California for chemical analysis.

- Groundwater level measurement data were evaluated and used to prepare a groundwater contour map (Plate 2). The groundwater flow direction is to the south at an approximate hydraulic gradient of 0.058

- The groundwater sample from Well S-3 contained 5,890 ppb TPPH and 589 ppb benzene. MTBE was not detected

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

Cambria
Environmental
Technology, Inc

1144 Parkmont Street
P.O. Box 607
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-4649

CAMBRIA

Quarterly Sampling

Monitoring Well S-3 was sampled and analyzed for total purgeable petroleum hydrocarbons as gasoline (TPPH) by EPA Method 8015 (Modified), benzene, toluene, ethylbenzene, xylenes (BTEX), methyl-tertiary-butyl-ether (MTBE) by EPA Method 8020, total dissolved solids by EPA Method 160.1, nitrates and sulfates by EPA Method 300.0.

Field monitoring data and chemical analytical data are presented in a summary table in Blaine's groundwater monitoring report (Appendix A). A groundwater contour/chemical concentration map is presented as Plate 2.

Quarterly monitoring, sampling, and reporting will continue on the established schedule for this site.

If you have any questions regarding the contents of this document, please call Joe Neely at 707-935-4854.

Sincerely,
Cambria Environmental Technology, Inc.

Lisa Summers
Staff Scientist

Owen C. Ratchye, PE
Project Engineer
C47749

Attachments

Plate 1. Vicinity Map
Plate 2. Groundwater Contour/Chemical Concentration Map

Appendix A

Blaine Tech Services Inc - Groundwater Monitoring Report

cc Mr. Frank J. Schlessinger, Schlessinger & Associates (property owner)
Mr. Steve Makara, Goodyear Tire & Rubber Company (tenant)
Ms. Karen Petryna, Equiva Services LLC

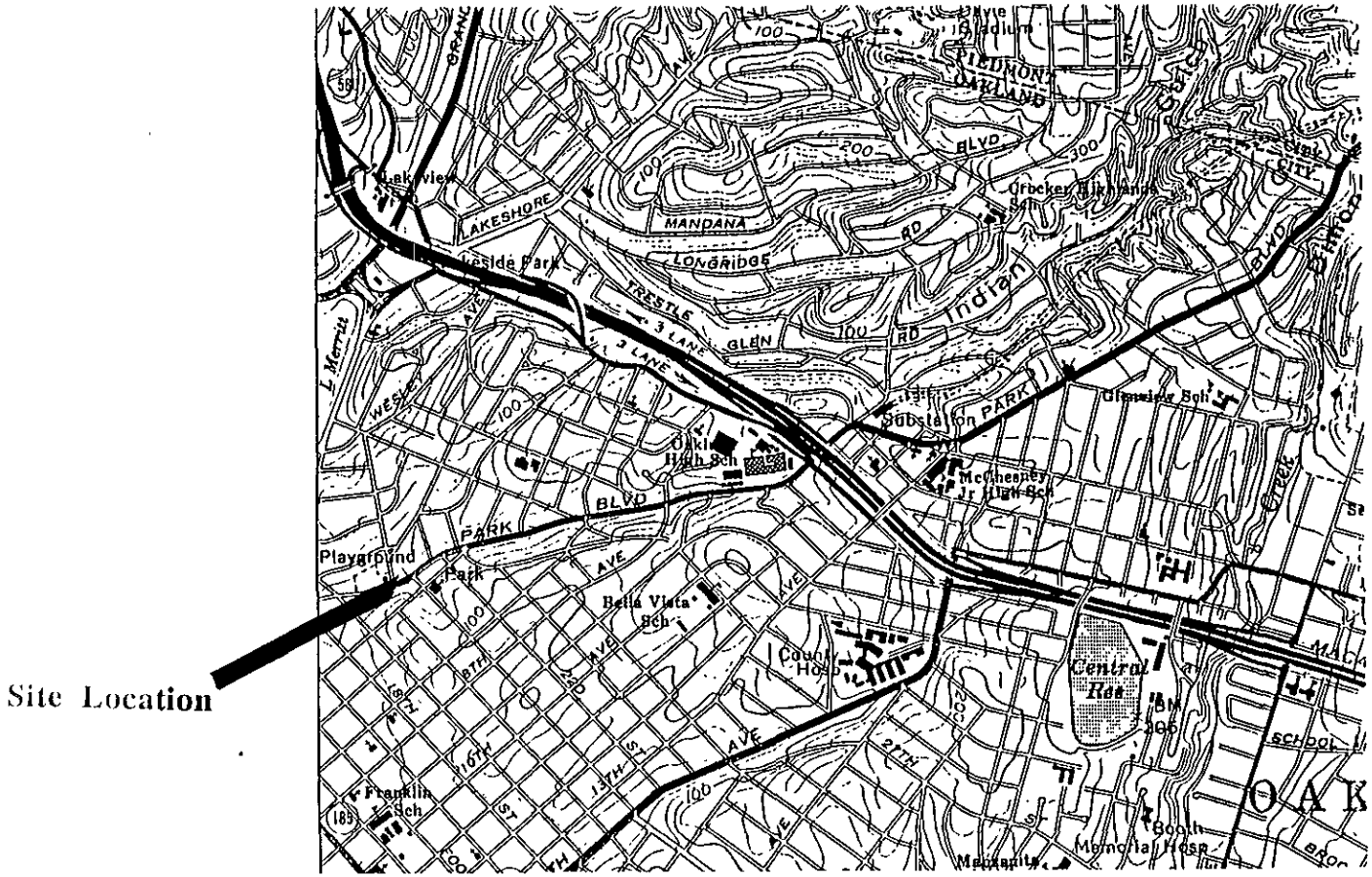


PLATE
1

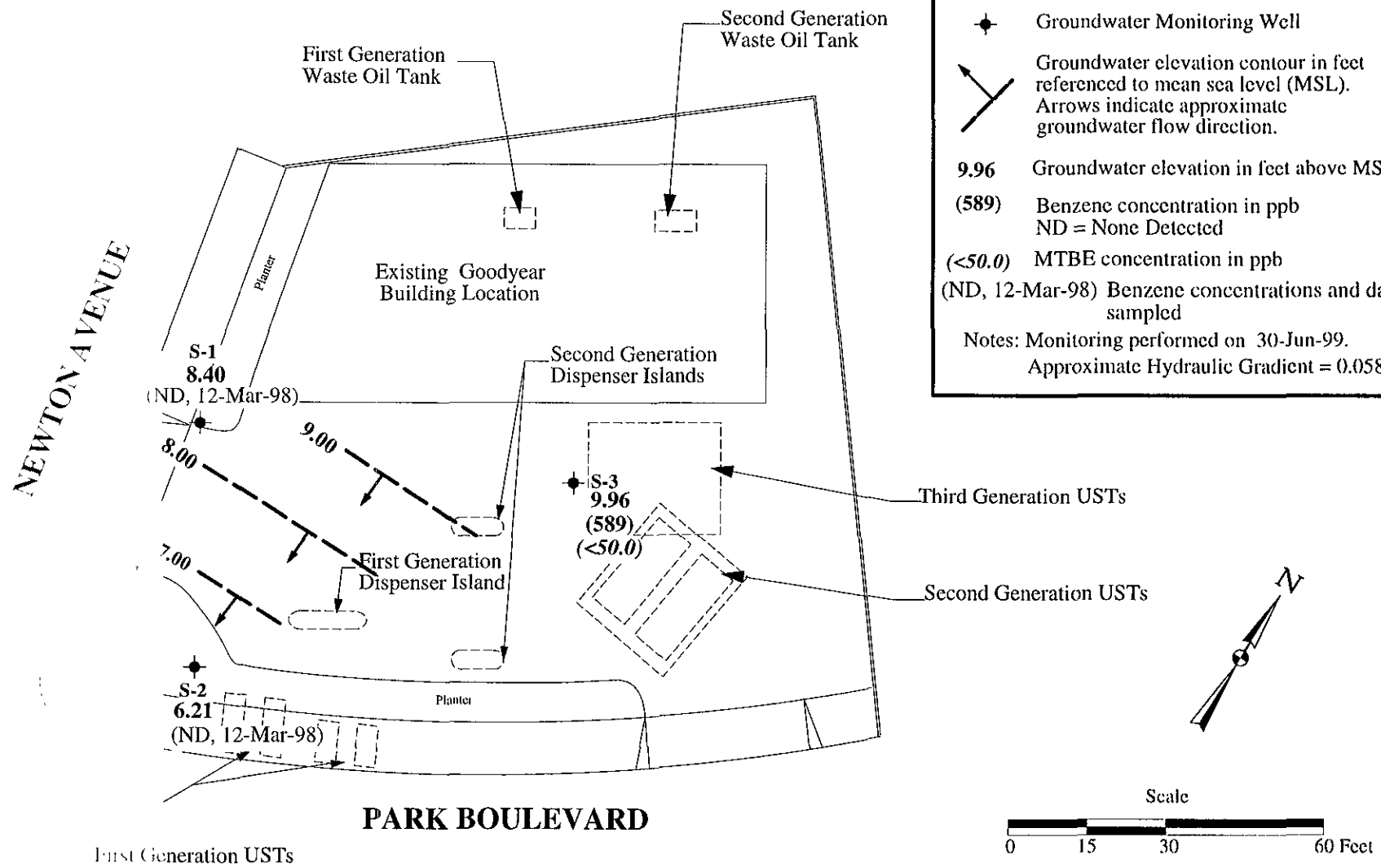
VICINITY MAP
Former Shell Service Station
2101 Park Boulevard
Oakland, California

CAMBRIA
241-0865

Drawn By: GLV

Date: 2-24-95

Approved By: _____ Date: 8-15-95



EXPLANATION

- Groundwater Monitoring Well
- Groundwater elevation contour in feet referenced to mean sea level (MSL). Arrows indicate approximate groundwater flow direction.
- **9.96** Groundwater elevation in feet above MSL
- **(589)** Benzene concentration in ppb ND = None Detected
- ***(<50.0)*** MTBE concentration in ppb
- (ND, 12-Mar-98) Benzene concentrations and date sampled

Notes: Monitoring performed on 30-Jun-99.
Approximate Hydraulic Gradient = 0.058

N

Scale

0 15 30 60 Feet

1 Inch = 30 Feet

PLATE **2**

GROUNDWATER CONTOUR/CHEMICAL CONCENTRATION MAP
Former Shell Service Station
2101 Park Boulevard
Oakland, California

CAMBRIA
241-0865

Drawn By: LS

Date: 08-Aug-99

Approved By: _____ Date: 8-15-99

Appendix A

Blaine Tech Services Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC

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

July 30, 1999

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

Second Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
2101 Park Boulevard
Oakland, CA

Monitoring performed on June 30, 1999

Groundwater Monitoring Report **990630-D-1**

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

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/mt

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

cc: Joe Neely
Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Shell-branded Service Station
2101 Park Avenue
Oakland, CA
Wic #204-5508-1206

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)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	06/20/1995	160	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	11.93	4.67	7.26	NA	NA
S-1	09/12/1995	<50	250	3.0	<0.5	<0.5	<0.5	NA	NA	11.93	4.19	7.74	NA	NA
S-1	12/28/1995	70	160	1.1	<0.5	<0.5	1.3	NA	NA	11.93	5.30	6.63	NA	NA
S-1	03/25/1996	70	220	<0.5	<0.5	<0.5	<0.5	<2.0	NA	11.93	3.44	8.49	NA	NA
S-1	06/27/1996	<50	140	0.59	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.15	8.78	NA	NA
S-1	09/26/1996	<50	190	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.90	8.03	NA	NA
S-1	12/10/1996	<50	84	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.46	9.47	NA	NA
S-1	03/10/1997	<50	200	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.93	9.00	NA	NA
S-1	06/26/1997	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.91	8.02	NA	NA
S-1	09/30/1997	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	4.00	7.93	NA	NA
S-1	12/15/1997	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.83	9.10	NA	NA
S-1	03/12/1998	<50	100	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	1.73	10.20	NA	2.7
S-1	06/08/1998	NA	NA	NA	NA	NA	NA	NA	NA	11.93	6.05	5.88	NA	0.8
S-1	08/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	11.93	3.61	8.32	NA	1.0
S-1	12/24/1998	NA	NA	NA	NA	NA	NA	NA	NA	11.93	4.45	7.48	NA	1.0
S-1	03/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	11.93	4.17	7.76	NA	1.2
S-1	06/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	11.93	3.53	8.40	NA	2.1
S-2	06/20/1995	180	NA	1.1	<0.5	<0.5	0.6	NA	NA	12.06	5.80	6.26	NA	NA
S-2	09/12/1995	190	NA	18	<0.5	1.2	0.6	NA	NA	12.06	5.78	6.28	NA	NA
S-2	12/28/1995	200	NA	11	1.0	1.0	4.0	NA	NA	12.06	4.02	8.04	NA	NA
S-2	03/25/1996	180	NA	12	0.8	1.4	1.0	<2.0	NA	12.06	5.56	6.50	NA	NA
S-2	06/27/1996	150	NA	7.7	0.79	0.93	0.5	<2.5	NA	12.06	6.00	6.06	NA	NA
S-2	09/26/1996	83	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.73	6.33	NA	NA
S-2	12/10/1996	78	NA	1.4	<0.50	0.57	<0.50	<2.5	NA	12.06	4.57	7.49	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
2101 Park Avenue
Oakland, CA
Wic #204-5508-1206

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)	SPH Thickness (ft.)	DO Reading (ppm)
S-2	03/10/1997	61	NA	1.6	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.38	6.68	NA	NA
S-2 (D)	03/10/1997	77	NA	2.0	<0.50	0.69	<0.50	<2.5	NA	12.06	NA	NA	NA	NA
S-2	06/26/1997	90	NA	1.5	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.68	6.38	NA	NA
S-2 (D)	06/26/1997	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	3.91	8.02	NA	NA
S-2	09/30/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.75	6.31	NA	NA
S-2 (D)	09/30/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.75	6.31	NA	NA
S-2	12/15/1997	<50	NA	4.1	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.35	6.71	NA	NA
S-2	03/12/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	4.71	7.35	NA	4.3
S-2	06/08/1998	NA	NA	NA	NA	NA	NA	NA	NA	12.06	8.41	3.65	NA	2.2
S-2	08/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.23	6.83	NA	1.8
S-2	12/24/1998	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.94	6.12	NA	1.4
S-2	03/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.75	6.31	NA	1.8
S-2	06/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.85	6.21	NA	9.7
S-3	06/20/1995	5500	NA	240	34	120	840	NA	NA	13.54	4.90	8.64	NA	NA
S-3 (D)	06/20/1995	6300	NA	270	37	120	1100	NA	NA	13.54	NA	NA	NA	NA
S-3	09/12/1995	5200	NA	690	14	290	280	NA	NA	13.54	5.37	8.17	NA	NA
S-3 (D)	09/12/1995	4700	NA	620	13	260	240	NA	NA	13.54	NA	NA	NA	NA
S-3	12/28/1995	13000	NA	670	34	960	1400	NA	NA	13.54	3.90	9.64	NA	NA
S-3 (D)	12/28/1995	13000	NA	800	34	1000	1600	NA	NA	13.54	NA	NA	NA	NA
S-3	03/25/1996	7300	NA	560	65	540	820	<200	NA	13.54	4.30	9.24	NA	NA
S-3 (D)	03/25/1996	7400	NA	580	19	620	670	<20	NA	13.54	NA	NA	NA	NA
S-3	06/27/1996	17000	NA	1100	83	1200	2700	<250	NA	13.54	5.00	8.54	NA	NA
S-3 (D)	06/27/1996	1903	NA	13	1.0	14	34	7.2	NA	13.54	NA	NA	NA	NA
S-3	09/26/1996	8900	NA	920	43	400	1100	<125	NA	13.54	5.23	8.31	NA	NA
S-3 (D)	09/26/1996	9800	NA	960	41	450	1300	120	<16 a	13.54	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
2101 Park Avenue
Oakland, CA
Wic #204-5508-1206

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)	SPH Thickness (ft.)	DO Reading (ppm)
S-3	12/10/1996	6100	NA	470	25	290	640	<100	NA	13.54	3.88	9.66	NA	NA
S-3 (D)	12/10/1996	7700	NA	550	33	380	880	120	NA	13.54	NA	NA	NA	NA
S-3	03/10/1997	7000	NA	720	29	340	620	110	NA	13.54	4.10	9.44	NA	NA
S-3	06/26/1997	11000	NA	1100	63	470	1300	150	NA	13.54	5.23	8.31	NA	NA
S-3 (D)	06/26/1997	12000	NA	1100	62	480	1400	<100	NA	13.54	NA	NA	NA	NA
S-3	09/30/1997	25000	NA	970	170	1200	4600	<50	NA	13.54	5.36	8.18	NA	NA
S-3	09/30/1997	25000	NA	970	170	1200	4600	<50	NA	13.54	5.36	8.18	NA	NA
S-3	12/15/1997	9800	NA	840	55	420	1100	350	NA	13.54	3.81	9.73	NA	NA
S-3 (D)	12/15/1997	9800	NA	850	56	420	1100	360	<20	13.54	NA	NA	NA	NA
S-3	03/12/1998	2800	NA	260	21	140	600	<12	NA	13.54	4.79	8.75	NA	4.8
S-3 (D)	03/12/1998	2100	NA	200	15	110	450	<12	NA	13.54	NA	NA	NA	NA
S-3	06/08/1998	2500	420	220	23	170	600	<20	NA	13.54	5.60	7.94	NA	NA
S-3 (D)	06/08/1998	3200	NA	270	30	220	740	76	NA	13.54	NA	NA	NA	NA
S-3	06/17/1998	NA	NA	NA	NA	NA	NA	NA	NA	13.54	3.49	10.05	NA	NA
S-3	08/26/1998	4000	600	520	56	270	910	<50	NA	13.54	4.89	8.65	NA	1.9
S-3 (D)	08/26/1998	4100	500	550	65	320	1100	<2.5	NA	13.54	NA	NA	NA	NA
S-3	12/24/1998	3700	590	320	32	210	650	55	NA	13.54	4.93	8.61	NA	1.2
S-3	03/29/1999	5400	NA	530	62	400	1100	45	NA	13.54	4.61	8.93	NA	1.5
S-3	06/30/1999	5890	NA	589	83.4	406	1710	<50.0	NA	13.54	3.58	9.96	NA	1.5

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

WELL CONCENTRATIONS
Shell-branded Service Station
2101 Park Avenue
Oakland, CA
Wic #204-5508-1206

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)	SPH Thickness (ft.)	DO Reading (ppm)

SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen
ug/L = parts per billion
msl = Mean sea level
ft = Feet
<n = Below detection limit
D = Duplicate sample

Note:
(a) = The MTBE was analyzed by EPA method 8260 one day past hold time. The MTBE value did not confirm therefore, all MTBE results at this site should be considered estimated.

Sequoia
Analytical

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

July 19, 1999

Kayvan Kimyai
Sequoia - Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

RE: 1

Dear Kayvan Kimyai

Enclosed are the results of analyses for sample(s) received by the laboratory on July 8, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Wayne Stevenson
Project Manager

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled:	6/30/99
1680 Rogers Avenue	Project Number:	2101 Park Blvd, Oakland	Received:	7/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	7/18/99

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

Sequoia Analytical

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

Sequoia - Morgan Hill	Project:	1	Sampled: 6/30/99
885 Jarvis Drive	Project Number:	M907047	Received: 7/8/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/19/99 14:05

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
M907047-01/S-3	L907053-01	Water	6/30/99

Wayne Stevenson, Project Manager

Sequoia Analytical

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

Sequoia - Morgan Hill	Project:	1	Sampled: 6/30/99
885 Jarvis Drive	Project Number:	M907047	Received: 7/8/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/19/99 14:05

M907047-01/S-3
[L907053-01]

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	9070037	7/12/99	7/13/99		500	**5890**	ug/l	1
Benzene	"	"	"		5.00	**589**	"	
Toluene	"	"	"		5.00	**83.4**	"	
Ethylbenzene	"	"	"		5.00	**406**	"	
Xylenes (total)	"	"	"		5.00	**1710**	"	
Methyl tert-butyl ether	"	"	"		50.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*75.7*	*%*	

Sequoia Analytical

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

Sequoia - Morgan Hill	Project: 1	Sampled:	6/30/99
885 Jarvis Drive	Project Number: M907047	Received:	7/8/99
Morgan Hill, CA 95037	Project Manager: Kayvan Kimyai	Reported:	7/19/99 14:05

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: 9070037	**Date Prepared: 7/12/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9070037-BLK1**									
Purgeable Hydrocarbons as Gasoline	7/12/99			**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*		*9.65*	"	*70.0-130*	*96.5*			
LCS	**9070037-BS1**									
Benzene	7/12/99	10.0		8.31	ug/l	70.0-130	83.1			
Toluene	"	10.0		8.09	"	70.0-130	80.9			
Ethylbenzene	"	10.0		8.80	"	70.0-130	88.0			
Xylenes (total)	"	30.0		26.1	"	70.0-130	87.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.60*	"	*70.0-130*	*86.0*			
Matrix Spike	**9070037-MS1**		**L907049-12**							
Benzene	7/12/99	10.0	ND	9.85	ug/l	60.0-140	**98.5**			
Toluene	"	10.0	ND	9.31	"	60.0-140	**93.1**			
Ethylbenzene	"	10.0	ND	10.2	"	60.0-140	**102**			
Xylenes (total)	"	30.0	ND	29.8	"	60.0-140	**99.3**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.15*	"	*70.0-130*	*91.5*			
Matrix Spike Dup	**9070037-MSD1**		**L907049-12**							
Benzene	7/12/99	10.0	ND	10.1	ug/l	60.0-140	**101**	25.0	**2.51**	
Toluene	"	10.0	ND	9.56	"	60.0-140	**95.6**	25.0	**2.65**	
Ethylbenzene	"	10.0	ND	10.3	"	60.0-140	**103**	25.0	**0.976**	
Xylenes (total)	"	30.0	ND	30.7	"	60.0-140	**102**	25.0	**2.68**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.28*	"	*70.0-130*	*92.8*			

Sequoia Analytical

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

Sequoia - Morgan Hill	Project:	1	Sampled: 6/30/99
885 Jarvis Drive	Project Number:	M907047	Received: 7/8/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/19/99 14:05

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

Sequoia Analytical - Morgan Hill Subcontract Order

M907047 L907053

Sending Laboratory	Receiving Laboratory
Sequoia Analytical - Morgan Hill 885 Jarvis Drive Morgan Hill, CA 95037 Phone: 408-776-9600 Fax: 408-782-6308 Project Manager: Kayvan Kimyai	Sequoia Analytical - San Carlos 1551 Industrial Road San Carlos, CA 94070 Phone: 650-232-9600 Fax: 650-232-9612

Subcontract Order Comments

7/1/99 11:45

Sample/Analysis Information

Sample Name	Matrix	Sampled/ Expires	Analysis Requested	Due	Lab Number	Container	Comments
M907047-01	Water	6/30/99				A, B, C	
		7/14/99	TPH-G/BTEX	7/16/99			SUBOUT TO SAN CARLOS

Released By_____ Date _____ Received By_____ Date_____

Released By_____ Date_____ Received By_____ Date_____

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: 2101 Park Blvd.
Oakland, CA
204-5508-1206

CONDUCT ANALYSIS TO DETECT

LAB: SEQUOIA
DHS #

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

M907047

SPECIAL INSTRUCTIONS

Send invoice to Equiva
Incident # 97088251

Send report to Blaine Tech Services
Attn: Ann Pember

SAMPLE ID			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	Nitrate, Sulfate, ~~[illegible]~~ TDS	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
S-3	6-30-99	10:20	W	5	HCl VOAs Amber H2O 1L poly		X	X					X				

SAMPLING COMPLETED: DATE 6-30-99 TIME 10:20
SAMPLING PERFORMED BY: Layne Rov

RESULTS NEEDED NO LATER THAN: AS Contracted

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	7/1	9:12	[signature]	7-1	9:15
[signature]			[signature]	7/1/99	11:45

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

WELL GAUGING DATA

Project # 990630-01 Date 6-30-99 Client Equiva 204-5508-120c

Site 2101 Park blvd, Oakland, CA

pre

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	DO / ORP
S-1	2					3.53	15.82	TOC	2.1 / X
S-2	2					5.85	17.10		9.7 / X
S-3	2					~~3.58~~ 5.58	16.51		1.5 / 146

SHELL WELL MONITORING DATA SHEET

Project #: 990630-01	WIC #: 204-5508-1206
Sampler: Layne	Date: 6-30-99
Well I.D.: S-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.51	Depth to Water: 3.58
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: _____

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
		No Purge				
10:20	75.9	7.1	1725	163	—	
				Ferrous Iron =	1.6	mg/L
				Alkalinity =	1155	mg/L
				ORP =	146	

Did well dewater? Yes No — Gallons actually evacuated: No Purge

Sampling Time: 10:20 — Sampling Date: 6-30-99

Sample I.D.: S-3 — Laboratory: (Sequoia) Crosby

Analyzed for: (TPH-G BTEX MTBE) TPH-D — Other: Nitrate, Sulfate, TDS, ~~Alkalinity~~,

Equipment Blank I.D.: @ Time — Duplicate I.D.: ~~Ferrous Iron~~

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

D.O. (if req'd): Pre-purge: 1.5 mg/L — Post-purge: mg/L

WELL HEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client Equiva Site # 204-5508-1206 Inspection date: 6-30-99

Site address 2101 Park Blvd, Oakland CA Inspected by: Lance

BTS Event # 990630-01

1. Lid on the box? Yes No	5. Water standing in the well box?	7. Can cap be pulled loose?
2. Lid whole?	5a. Standing above well top?	8. Can cap seal out water?
3. Lid secure?	5b. Standing below well top?	9. Padlock present?
4. Lid seal intact?	5c. Water even with top of well cap?	10. Padlock found locked?
	6. Well cap/plug present?	11. Padlock functional?

[X] Check box if *no deficiences* were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

Note below all deficiences that could not be corrected and *still need to be corrected.*

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected

Office review and assignments made by _____ date _____

Sequoia Analytical

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

July 18, 1999

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

RE: Equiva 2101 Park Blvd. Oakland/M907047

Dear Ann Pember

Enclosed are the results of analyses for sample(s) received by the laboratory on July 1, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager D.M.

CA ELAP Certificate Number 1210

Sequoia Analytical

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FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 6/30/99
1680 Rogers Avenue	Project Number:	2101 Park Blvd, Oakland	Received: 7/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 7/18/99

ANALYTICAL REPORT FOR M907047

Sample Description	Labcratory Sample Number	Sample Matrix	Date Sampled
S-3	M907047-01	Water	6/30/99

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 6/30/99
1680 Rogers Avenue	Project Number:	2101 Park Blvd, Oakland	Received: 7/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 7/18/99

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*
S-3			**M907047-01**				**Water**	
Total Dissolved Solids	9070229	7/7/99	7/7/99	EPA 160.1	10.0	**1000**	mg/l	

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 6/30/99
1680 Rogers Avenue	Project Number:	2101 Park Blvd, Oakland	Received: 7/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 7/18/99

Anions by EPA Method 300.0
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-3			**M907047-01**				**Water**	
Nitrate as NO3	9070165	7/6/99	7/6/99	EPA 300.0	1.00	ND	mg/l	
Sulfate as SO4	"	"	"	EPA 300 0	1.00	**3.06**	"	

Sequoia Analytical

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FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 6/30/99
1680 Rogers Avenue	Project Number:	2101 Park Blvd, Oakland	Received: 7/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 7/18/99

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: 9070229	**Date Prepared: 7/7/99**					**Extraction Method: General Preparation**				
Blank	**9070229-BLK1**									
Total Dissolved Solids	7/7/99			**ND**	mg/l	**10.0**				
LCS	**9070229-BS1**									
Total Dissolved Solids	7/7/99	500		490	mg/l	80.0-120	98.0			
Matrix Spike	**9070229-MS1**		**M907068-04**							
Total Dissolved Solids	7/7/99	500	32.0	540	mg/l	80.0-120	**102**			
Matrix Spike Dup	**9070229-MSD1**		**M907068-04**							
Total Dissolved Solids	7/7/99	500	32.0	500	mg/l	80.0-120	**93.6**	20.0	**8.59**	

Sequoia Analytical

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Morgan Hill, CA 95037
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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 6/30/99
1680 Rogers Avenue	Project Number:	2101 Park Blvd, Oakland	Received: 7/1/99
San Jose. CA 95112	Project Manager:	Ann Pember	Reported: 7/18/99

Anions by EPA Method 300.0/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: 9070165	**Date Prepared: 7/6/99**					**Extraction Method: General Preparation**				
Blank	**9070165-BLK1**									
Nitrate as NO3	7/6/99			**ND**	mg/l	**1.00**				
Sulfate as SO4	"			**1.14**	"	**1.00**				
LCS	**9070165-BS1**									
Nitrate as NO3	7/6/99	100		93.0	mg/l	80.0-120	93.0			
Sulfate as SO4	"	100		92.0	"	80.0-120	92.0			
Matrix Spike	**9070165-MS1**		**M907101-01**							
Nitrate as NO3	7/6/99	100	18.0	140	mg/l	75.0-125	**122**			
Sulfate as SO4	"	100	23.0	110	"	75.0-125	**87.0**			
Matrix Spike Dup	**9070165-MSD1**		**M907101-01**							
Nitrate as NO3	7/6/99	100	18.0	140	mg/l	75.0-125	**122**	20.0	**0**	
Sulfate as SO4	"	100	23.0	110	"	75.0-125	**87.0**	20.0	**0**	