CAMBRIA

ENVIRONMENTAL PROTECTION
00 MAY 17 PM 3:34

May 15, 2000

#229

MW3 Constituents/parameters

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

Re: **First Quarter 2000 Monitoring Report**
Former Shell Service Station
2101 Park Boulevard
Oakland, California
Incident #97088251
Cambria Project #242-0865-002

Dear Mr. Chan:

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.

FIRST QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged the site wells and sampled well S-3. Blaine calculated groundwater elevations and compiled the hydrocarbons analytical data. Cambria compiled the bioattenuation and other constituents data (Table 1) and prepared a groundwater elevation contour map (Figure 1). The Blaine report, presenting the laboratory report and supporting field documents, is included as Attachment A.

ANTICIPATED SECOND QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine will gauge all wells, sample well S-3, and tabulate the data. Cambria will prepare a monitoring report

Additional Subsurface Investigation Work Plan: In response to the Alameda County Health Care Services Agency (ACHCSA) correspondence dated March 14, 2000, Cambria submitted a work plan dated April 14, 2000 which proposes to install two soil borings to better define subsurface conditions in the downgradient direction from the site. Upon ACHCSA approval, Cambria will proceed with the proposed investigation

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

Cambria
Environmental
Technology, Inc.

4144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

CLOSING

We appreciate the opportunity to work with you on this project. Please call Troy Buggle at (510) 420-3333 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Troy A. Buggle
Senior Staff Scientist

Diane M. Lundquist, P.E.
Principal Engineer

Figure: 1 - Groundwater Elevation Contour Map
Table: 1 - Groundwater Analytical Data - Other Constituents
Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91501-7869
Frank J. Schlessinger, Schlessinger & Associates, 333 Kearney Street, San Francisco, CA 94108
Alice S Heilman, Schlessinger & Associates, 333 Kearney Street, San Francisco, CA 94108
Steve Makara, Goodyear Tire and Rubber Company, 1144 East Market Street, Akron, Ohio 44316-0001

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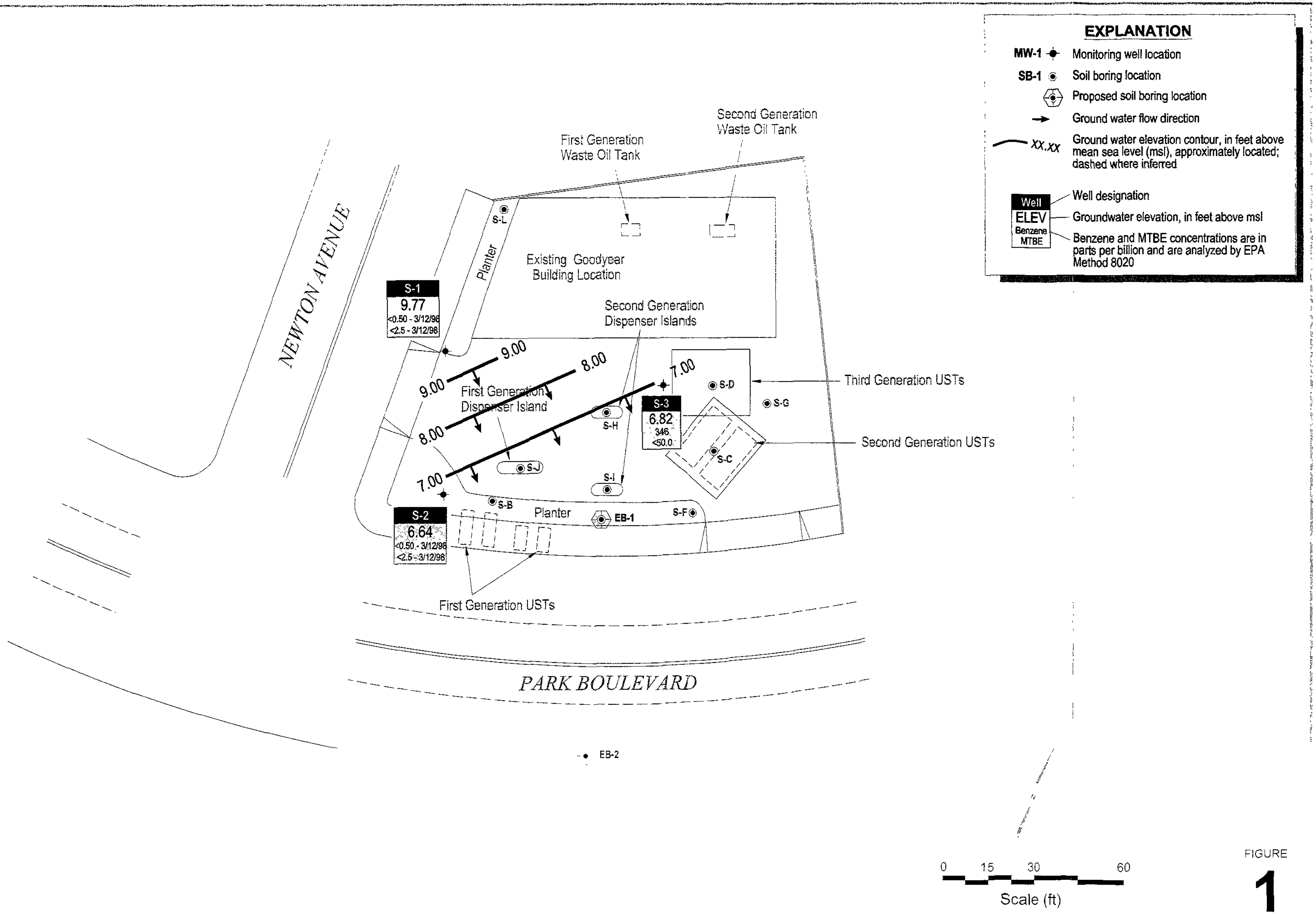

EXPLANATION
MW-1 Monitoring well location
SB-1 Soil boring location
Proposed soil boring location
Ground water flow direction
XX.XX Ground water elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred
Well designation
ELEV Groundwater elevation, in feet above msl
Benzene MTBE Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020
NEWTON AVENUE
PARK BOULEVARD
First Generation Waste Oil Tank
Second Generation Waste Oil Tank
Existing Goodyear Building Location
Second Generation Dispenser Islands
First Generation Dispenser Island
Third Generation USTs
Second Generation USTs
First Generation USTs
Planter
Planter
S-1
9.77
<0.50 - 3/12/98
<2.5 - 3/12/98
S-2
6.64
<0.50 - 3/12/98
<2.5 - 3/12/98
S-3
6.82
346
<50.0
9.00
9.00
8.00
8.00
7.00
7.00
S-L
S-D
S-G
S-H
S-C
S-J
S-I
S-B
S-F
EB-1
EB-2
0 15 30 60
Scale (ft)

FIGURE 1

Groundwater Elevation Contour Map

March 7, 2000

CAMBRIA

Former Shell Service Station
2101 Park Boulevard
Oakland, California
Incident #97088251

Table 1. **Ground Water Analytical Data - Other Constituents** - Former Shell Service Station, Incident #97088251, 2101 Park Boulevard, Oakland, California

Sample ID	Date Sampled	1,2-DCA	EDB	MTBE by 8260	Nitrate	Sulfate	Total Dissolved Solids	Ferrous Iron	Alkalinity	DO (ppm)	ORP (mV)
		← (Concentrations in ppb) →									
S-3	09/30/99	<0.500	<0.500	<50.0	1,280	5,600	1,120,000	---	---	1.6	---
	12/29/99	---	---	<62.5	<1,000	5940	1,050,000	11,550	1,400	2.1	-159
	03/07/00	**---**	**---**	**---**	**<1,000**	**7,640**	**940,000**	**---**	**---**	**0.88**	**---**

Abbreviations:

1,2 DCA = 1,2 dichloroethane by EPA Method 8010
EDB = Ethylene dibromide (1,2 dibromoethane) by EPA Method 8010
MTBE = Methyl tert-butyl ether by EPA Method 8020
DO = Dissolved oxygen, measured pre purge
ORP = Oxidation reduction potential
ppb = Parts per billion
ppm = Parts per million
mV = Millivolts

Notes:

Nitrate as nitrate and sulfate as sulfate by EPA Method 300.0
Ferrous Iron by EPA Methods 6000/7000 Series
Total Alkalinity by APHA/EPA Methods
Total dissolved solids by EPA Mrthod 160.1
--- = Not analyzed / not available
ORP and DO measured in the field
<n = Below detection limits of n units

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

April 17, 2000

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

First Quarter 2000 Groundwater Monitoring at
Shell-branded Service Station
2101 Park Boulevard
Oakland, CA

Monitoring performed on March 7, 2000

Groundwater Monitoring Report **000307-S-2**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the 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/jt

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

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

WELL CONCENTRATIONS
Former Shell Service Station
2101 Park Boulevard
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	6/20/95	160	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	11.93	4.67	7.26	NA	NA
S-1	9/12/95	<50	250	3.0	<0.5	<0.5	<0.5	NA	NA	11.93	4.19	7.74	NA	NA
S-1	12/28/95	70	160	1.1	<0.5	<0.5	1.3	NA	NA	11.93	5.30	6.63	NA	NA
S-1	3/25/96	70	220	<0.5	<0.5	<0.5	<0.5	<2.0	NA	11.93	3.44	8.49	NA	NA
S-1	6/27/96	<50	140	0.59	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.15	8.78	NA	NA
S-1	9/26/96	<50	190	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.90	8.03	NA	NA
S-1	12/10/96	<50	84	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.46	9.47	NA	NA
S-1	3/10/97	<50	200	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.93	9.00	NA	NA
S-1	6/26/97	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.91	8.02	NA	NA
S-1	9/30/97	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	4.00	7.93	NA	NA
S-1	12/15/97	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.83	9.10	NA	NA
S-1	3/12/98	<50	100	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	1.73	10.20	NA	2.7
S-1	6/8/98	NA	NA	NA	NA	NA	NA	NA	NA	11.93	6.05	5.88	NA	0.8
S-1	8/26/98	NA	NA	NA	NA	NA	NA	NA	NA	11.93	3.61	8.32	NA	1.0
S-1	12/24/98	NA	NA	NA	NA	NA	NA	NA	NA	11.93	4.45	7.48	NA	1.0
S-1	3/29/99	NA	NA	NA	NA	NA	NA	NA	NA	11.93	4.17	7.76	NA	1.2
S-1	6/30/99	NA	NA	NA	NA	NA	NA	NA	NA	11.93	3.53	8.40	NA	2.1
S-1	9/30/99	NA	NA	NA	NA	NA	NA	NA	NA	11.93	3.70	8.23	NA	2.3
S-1	12/29/99	NA	NA	NA	NA	NA	NA	NA	NA	11.93	3.92	8.01	NA	2.1
S-1	3/7/00	NA	NA	NA	NA	NA	NA	NA	NA	11.93	2.16	9.77	NA	0.47
S-2	6/20/95	180	NA	1.1	<0.5	<0.5	0.6	NA	NA	12.06	5.80	6.26	NA	NA
S-2	9/12/95	190	NA	18	<0.5	1.2	0.6	NA	NA	12.06	5.78	6.28	NA	NA
S-2	12/28/95	200	NA	11	1.0	1.0	4.0	NA	NA	12.06	4.02	8.04	NA	NA
S-2	3/25/96	180	NA	12	0.8	1.4	1.0	<2.0	NA	12.06	5.56	6.50	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
2101 Park Boulevard
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	6/27/96	150	NA	7.7	0.79	0.93	0.5	<2.5	NA	12.06	6.00	6.06	NA	NA
S-2	9/26/96	83	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.73	6.33	NA	NA
S-2	12/10/96	78	NA	1.4	<0.50	0.57	<0.50	<2.5	NA	12.06	4.57	7.49	NA	NA
S-2	3/10/97	61	NA	1.6	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.38	6.68	NA	NA
S-2 (D)	3/10/97	77	NA	2.0	<0.50	0.69	<0.50	<2.5	NA	12.06	NA	NA	NA	NA
S-2	6/26/97	90	NA	1.5	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.68	6.38	NA	NA
S-2 (D)	6/26/97	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	3.91	8.02	NA	NA
S-2	9/30/97	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.75	6.31	NA	NA
S-2 (D)	9/30/97	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.75	6.31	NA	NA
S-2	12/15/97	<50	NA	4.1	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.35	6.71	NA	NA
S-2	3/12/98	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	4.71	7.35	NA	4.3
S-2	6/8/98	NA	NA	NA	NA	NA	NA	NA	NA	12.06	8.41	3.65	NA	2.2
S-2	8/26/98	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.23	6.83	NA	1.8
S-2	12/24/98	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.94	6.12	NA	1.4
S-2	3/29/99	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.75	6.31	NA	1.8
S-2	6/30/99	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.85	6.21	NA	9.7
S-2	9/30/99	NA	NA	NA	NA	NA	NA	NA	NA	12.06	6.42	5.64	NA	4.9
S-2	12/29/99	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.74	6.32	NA	2.5
S-2	3/7/00	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.42	6.64	NA	6.4
S-3	6/20/95	5500	NA	240	34	120	840	NA	NA	13.54	4.90	8.64	NA	NA
S-3 (D)	6/20/95	6300	NA	270	37	120	1100	NA	NA	13.54	NA	NA	NA	NA
S-3	9/12/95	5200	NA	690	14	290	280	NA	NA	13.54	5.37	8.17	NA	NA
S-3 (D)	9/12/95	4700	NA	620	13	260	240	NA	NA	13.54	NA	NA	NA	NA
S-3	12/28/95	13000	NA	670	34	960	1400	NA	NA	13.54	3.90	9.64	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
2101 Park Boulevard
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 (D)	12/28/95	13000	NA	800	34	1000	1600	NA	NA	13.54	NA	NA	NA	NA
S-3	3/25/96	7300	NA	560	65	540	820	<200	NA	13.54	4.30	9.24	NA	NA
S-3 (D)	3/25/96	7400	NA	580	19	620	670	<20	NA	13.54	NA	NA	NA	NA
S-3	6/27/96	17000	NA	1100	83	1200	2700	<250	NA	13.54	5.00	8.54	NA	NA
S-3 (D)	6/27/96	1903	NA	13	1.0	14	34	7.2	NA	13.54	NA	NA	NA	NA
S-3	9/26/96	8900	NA	920	43	400	1100	<125	NA	13.54	5.23	8.31	NA	NA
S-3 (D)	9/26/96	9800	NA	960	41	450	1300	120	<16 a	13.54	NA	NA	NA	NA
S-3	12/10/96	6100	NA	470	25	290	640	<100	NA	13.54	3.88	9.66	NA	NA
S-3 (D)	12/10/96	7700	NA	550	33	380	880	120	NA	13.54	NA	NA	NA	NA
S-3	3/10/97	7000	NA	720	29	340	620	110	NA	13.54	4.10	9.44	NA	NA
S-3	6/26/97	11000	NA	1100	63	470	1300	150	NA	13.54	5.23	8.31	NA	NA
S-3 (D)	6/26/97	12000	NA	1100	62	480	1400	<100	NA	13.54	NA	NA	NA	NA
S-3	9/30/97	25000	NA	970	170	1200	4600	<50	NA	13.54	5.36	8.18	NA	NA
S-3	9/30/97	25000	NA	970	170	1200	4600	<50	NA	13.54	5.36	8.18	NA	NA
S-3	12/15/97	9800	NA	840	55	420	1100	350	NA	13.54	3.81	9.73	NA	NA
S-3 (D)	12/15/97	9800	NA	850	56	420	1100	360	<20	13.54	NA	NA	NA	NA
S-3	3/12/98	2800	NA	260	21	140	600	<12	NA	13.54	4.79	8.75	NA	4.8
S-3 (D)	3/12/98	2100	NA	200	15	110	450	<12	NA	13.54	NA	NA	NA	NA
S-3	6/8/98	2500	420	220	23	170	600	<20	NA	13.54	5.60	7.94	NA	NA
S-3 (D)	6/8/98	3200	NA	270	30	220	740	76	NA	13.54	NA	NA	NA	NA
S-3	6/17/98	NA	NA	NA	NA	NA	NA	NA	NA	13.54	3.49	10.05	NA	NA
S-3	8/26/98	4000	600	520	56	270	910	<50	NA	13.54	4.89	8.65	NA	1.9
S-3 (D)	8/26/98	4100	500	550	65	320	1100	<2.5	NA	13.54	NA	NA	NA	NA
S-3	12/24/98	3700	590	320	32	210	650	55	NA	13.54	4.93	8.61	NA	1.2
S-3	3/29/99	5400	NA	530	62	400	1100	45	NA	13.54	4.61	8.93	NA	1.5

WELL CONCENTRATIONS
Former Shell Service Station
2101 Park Boulevard
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	6/30/99	5890	NA	589	83.4	406	1710	<50.0	NA	13.54	3.58	9.96	NA	1.5
S-3	9/30/99	1930	NA	514	13.2	185	319	<50.0	NA	13.54	5.02	8.52	NA	1.6
S-3	12/29/99	4500	NA	483	23.9	324	572	<62.5	NA	13.54	5.32	8.22	NA	2.1
S-3	3/7/00	1940	NA	346	10.5	65.1	74.8	<50.0	NA	13.54	6.72	6.82	NA	0.88

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
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

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

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

March 21, 2000

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

RE: Equiva 2101 Park Blvd., Oakland

Dear Nick Sudano

Enclosed are the results of analyses for sample(s) received by the laboratory on March 8, 2000. 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

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
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Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 2101 Park Blvd. Project Manager: Nick Sudano	Sampled: 3/7/00 Received: 3/8/00 Reported: 3/21/00 17:57

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-3	MJC0283-01	Water	3/7/00

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 3/7/00
1680 Rogers Avenue	Project Number:	2101 Park Blvd.	Received: 3/8/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 3/21/00 17:57

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*
S-3			**MJC0283-01**				**Water**	
Purgeable Hydrocarbons	0C20004	3/20/00	3/20/00	DHS LUFT	1000	**1940**	ug/l	P-01
Benzene	"	"	"	DHS LUFT	10.0	**346**	"	
Toluene	"	"	"	DHS LUFT	10.0	**10.5**	"	
Ethylbenzene	"	"	"	DHS LUFT	10.0	**65.1**	"	
Xylenes (total)	"	"	"	DHS LUFT	10.0	**74.8**	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	50.0	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*99.2*	*%*	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 3/7/00
1680 Rogers Avenue	Project Number:	2101 Park Blvd.	Received: 3/8/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 3/21/00 17:57

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			**MJC0283-01**				**Water**	
Total Dissolved Solids	0C14014	3/13/00	3/14/00	EPA 160.1	10.0	**940**	mg/l	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 3/7/00
1680 Rogers Avenue	Project Number:	2101 Park Blvd.	Received: 3/8/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 3/21/00 17:57

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			**MJC0283-01**				**Water**	
Nitrate as NO3	0C14006	3/9/00	3/9/00	EPA 300.0	1.00	ND	mg/l	
Sulfate as SO4	"	"	"	EPA 300.0	5.00	**7.64**	"	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 3/7/00
1680 Rogers Avenue	Project Number:	2101 Park Blvd.	Received: 3/8/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 3/21/00 17:57

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: 0C20004	**Date Prepared: 3/20/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0C20004-BLK1**									
Purgeable Hydrocarbons	3/20/00			**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*		*10.1*	"	*70-130*	*101*			
LCS	**0C20004-BS1**									
Benzene	3/20/00	10.0		10.9	ug/l	70-130	109			
Toluene	"	10.0		9.88	"	70-130	98.8			
Ethylbenzene	"	10.0		9.25	"	70-130	92.5			
Xylenes (total)	"	30.0		28.3	"	70-130	94.3			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.3*	"	*70-130*	*103*			
LCS Dup	**0C20004-BSD1**									
Benzene	3/20/00	10.0		11.0	ug/l	70-130	110	25	0.913	
Toluene	"	10.0		9.35	"	70-130	93.5	25	5.51	
Ethylbenzene	"	10.0		8.61	"	70-130	86.1	25	7.17	
Xylenes (total)	"	30.0		27.5	"	70-130	91.7	25	2.87	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.4*	"	*70-130*	*104*			

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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: 0C14014	**Date Prepared: 3/13/00**					**Extraction Method: General Preparation**				
Blank	**0C14014-BLK1**									
Total Dissolved Solids	3/14/00			**ND**	mg/l	**10.0**				
LCS	**0C14014-BS1**									
Total Dissolved Solids	3/14/00	500		543	mg/l	80-120	109			
Matrix Spike	**0C14014-MS1**		**MJC0170-02**							
Total Dissolved Solids	3/14/00	1000	204	790	mg/l	80-120	**58.6**			Q-01
Matrix Spike Dup	**0C14014-MSD1**		**MJC0170-02**							
Total Dissolved Solids	3/14/00	1000	204	714	mg/l	80-120	**51.0**	20	**10.1**	Q-01

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1680 Rogers Avenue	Project Number:	2101 Park Blvd.	Received: 3/8/00
San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 3/21/00 17:57

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: 0C14006	**Date Prepared: 3/9/00**					**Extraction Method: General Preparation**				
Blank	**0C14006-BLK1**									
Nitrate as NO3	3/9/00			**ND**	mg/l	**0.100**				
Sulfate as SO4	"			**ND**	"	**0.500**				
LCS	**0C14006-BS1**									
Nitrate as NO3	3/9/00	10.0		9.68	mg/l	90-110	96.8			
Sulfate as SO4	"	10.0		9.58	"	90-110	95.8			
Matrix Spike	**0C14006-MS1**		**MJC0348-01**							
Nitrate as NO3	3/9/00	100	ND	95.0	mg/l	80-120	**95.0**			
Sulfate as SO4	"	100	121	226	"	80-120	**105**			
Matrix Spike Dup	**0C14006-MSD1**		**MJC0348-01**							
Nitrate as NO3	3/9/00	100	ND	95.0	mg/l	80-120	**95.0**	20	**0**	
Sulfate as SO4	"	100	121	229	"	80-120	**108**	20	**1.32**	

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San Jose, CA 95112	Project Manager:	Nick Sudano	Reported: 3/21/00 17:57

Notes and Definitions

#	Note
P-01	Chromatogram Pattern: Gasoline C6-C12
Q-01	The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
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 000307-S2

CLIENT Equiva - Karen Petryna

SITE 2101 Park Blvd.
Oakland, CA

LAB SEQUOIA   DHS #

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

- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION ______

SPECIAL INSTRUCTIONS

Send invoice to Equiva
Incident # 97088251

Send report to Blaine Tech Services
Attn: ~~Ann Pember~~ Nick Sudano

CONDUCT ANALYSIS TO DETECT

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	Nitrate/Sulfate, TDS	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
S-3	3-7-00	1200	W	5		X	X					X				

MJC0283

SAMPLING COMPLETED	DATE 3-7-00	TIME 1200	SAMPLING PERFORMED BY Stephan	RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	3/8/00	8:08	[signature]	3/8/00	8:08
RELEASED BY			RECEIVED BY [signature]	3/8/00	15:30
RELEASED BY			RECEIVED BY		

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

MJC0283

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TECH SERVICES INC

1680 ROGERS AVENUE
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FAX (408) 573-7771
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Attn: Ann Pember

CONDUCT ANALYSIS TO DETECT

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	Nitrate/Sulfate, TDS	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
~~S-3~~														
S-3	W	5		X						X				
														~ 8 3 05

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	3/8/00	8:08	[signature]	3/8/00	8:08
[signature]	3/7/00				

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 000307-S2 Date 3/7/00 Client Shell

Site 2101 Park Blvd. 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	D.O.
S1	2					2.16	15.91	TOC	.47
S2	2					5.42	17.01	↓	6.4
S3	2					6.72	15.38	↓	.88

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000307-52	Site: Shell
Sampler: Stephan	Date: 3/7/00
Well I.D.: S-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 15.38	Depth to Water: 6.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer
(Disposable Bailer)
Middleburg
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

Sampling Method: Bailer
(Disposable Bailer)
Extraction Port
Dedicated Tubing
Other:_____

NO (Gals.) X Purge = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1145	60.6	7.0	1742			Turbid
					Ferrous Iron - 1.9	
					Alkalinity - 204	
					ORP - -92	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: 1200 Sampling Date: 3/7/00

Sample I.D.: S-3 Laboratory: (Sequoia) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other nitrate, sulfate, TDS

EB I.D. (if applicable) @ ___ Duplicate I.D. (if applicable)

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

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