CAMBRIA

September 27, 2000

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

#13

00 SEP 28 PM 2:52
ENVIRONMENTAL PROTECTION

Re: **Second Quarter 2000 Monitoring Report**
Shell-branded Service Station
4411 Foothill Boulevard
Oakland, California
Incident #98995746
Cambria Project #242-0897-002

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.

DRC in S-1, S-2 Bw-A.

SECOND QUARTER 2000 ACTIVITIES

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

Joint sampling with the adjacent Chevron and British Petroleum Oil sites was not performed during the second quarter 2000. Joint sampling was requested with Gettler-Ryan Inc. (Gettler-Ryan), the sampling contractor for the Chevron site. However, Gettler-Ryan sampled the Chevron site on June 23, 2000 and the BP Oil site was not scheduled for sampling during the second quarter 2000. As a result, combined contours for all three sites are not presented.

Site Investigation and Monitoring Well Installation: On January 7, 2000, Cambria conducted soil and groundwater investigation at the site and installed groundwater monitoring well S-4 (Figure 1). A report summarizing investigation results and monitoring well construction details is forthcoming.

Check to see if we have this report

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

ANTICIPATED THIRD QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report. Cambria will attempt to coordinate sampling for the third quarter 2000 sampling event.

Agency Letter Response: The Alameda County Health Care Services Agency letter dated August 1, 2000 requested a schedule for completing the following:

- Utility pathway survey,
- Sensitive receptor survey,
- Monitoring well installation report for MW-4, and
- Summary of one-time vacuum truck groundwater extraction from S-2 and backfill well BW-A.

Cambria has conducted a utility pathway survey and a sensitive receptor survey. Results of these surveys and a summary of vacuum truck operations will be presented in the forthcoming investigation report. Cambria anticipates submitting the report by October 31, 2000.

- need to remove SW regularly since conc. remain V. high.
- need to include remediation (Core) in MW-4.

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

Darryk Ataide, REA I
Project Manager

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

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

Figure: 1 - Groundwater Elevation Contour Map

Table: 1 - Groundwater Analytical Data - Bioattenuation Parameters

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Walter G. & Jeanette P Watters, 101 Jasmine Creek Dr., Corona Del Mar, CA 92665
J.T. & Elizabeth G. Watters, 600 Caldwell Road, Oakland, CA 94611

g:\oakland 4411 foothill\qm\2q00qm.doc

09/19/00

Groundwater Elevation Contour Map

June 20, 2000

EAST 17TH STREET

BOND STREET

FOOTHILL BOULEVARD

HIGH STREET

C-8 NA <0.5 - 3/9/00 <2.5 - 3/9/00

C-6 NA 210 - 6/23/00 64 - 6/23/00

C-5 NA <0.5 - 3/9/00 3.5 - 3/9/00

C-3 NA <0.50 - 6/23/00 <2.5 - 6/23/00

C-4 NA 1.2 - 6/23/00 250 - 6/23/00

C-2 NA 3,400 - 6/23/00 2,800 - 6/23/00

C-1 NA 1,000 - 6/23/00 1,900 - 6/23/00

MW-8 NA <0.5 - 12/19/96 <10 - 12/19/96

MW-2 NA <0.5 - 12/19/96 <10 - 12/19/96

MW-4 NA <0.5 - 12/19/96 <10 - 12/19/96

MW-3 NA <0.5 - 3/9/00 6.3 - 3/9/00

MW-6 NA <0.5 - 12/19/96 <10 - 12/19/96

MW-5 NA 12,000 - 3/9/00 <5.0 - 3/9/00

MW-7 NA 1.2 - 12/19/96 <10 - 12/19/96

MW-9 NA <0.5 - 12/19/96 <10 - 12/19/96

C-7 NA 3.4 - 6/23/00 7.3 - 6/23/00

C-9 NA <0.5 - 3/9/00 <2.5 - 3/9/00

S-3 27.63 94.5 29.3

S-2 28.51 1,100 (31,400) TPPH < 5000

S-1 29.12 21.2 45.1

S-4 30.29 4,550 3,740 19,500 TPPH

28.00

29.00

30.00

6/20/00 event

BW-A

0 25 50 100 200

SCALE 1:50 FEET

EXPLANATION

- S-1 — Monitoring well location
- BW-A — Tank backfill well location
- MW-3 — Recovery well
- S-4 — Proposed monitoring well location
- * — 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

FIGURE

1

Shell-branded Service Station
4411 Foothill Boulevard
Oakland, California
Incident #98995746

CAMBRIA

G:\OAKLAND4411FOOTHILL\FIGURES\2QM00-MP.AI

Table 1. **Groundwater Analytical Data - Bioattenuation Parameters** - Shell-branded Service Station Incident #98995746, 4411 Foothill Boulevard, Oakland, California

Well ID	Date	Depth to Water (feet)	TPHg (ppb)	Motor Oil	Ferrous Iron	Nitrate as Nitrate	Sulfate	DO	ORP (millivolts)	Notes
				← (Concentrations in ppm) →						
S-1	03/16/98	6.00	26,000	---	1.9	<1.0	<1.0	5.3/3.7	158/155	
	06/23/98	6.31	<1,000	---	2.0	<1.0	5.9	3.8/2.4	117/94	
	09/01/98	9.17	26,000	---	4.5	<1.0	12	1.4/2.6	-85/-51	
	12/30/98	8.99	29,900	0.334	4.1	<1.0	6.2	1.6/2.0	-25/-62	
	03/30/99	6.10	14,200	0.279	0.880	0.115	6.10	1.2/1.8	-56/-39	
	06/14/99	7.94	20,200	---	1.30	<1.00	5.70	1.4/2.1	-72/-24	
	09/30/99	10.04	18,300	<0.500	1.20	5.41	<5.00	4.3/2.0	-350/-70	
	12/22/99	9.42	2,450	<0.500	0.0670	<1.00	12.1	1.80/2.30	-49/-142	
	03/09/00	**6.21**	**1,230**	**---**	**0.12**	**<0.10**	**5.3**	**2.0/2.9**	**-81/-190**	**a**
	06/20/00	**9.18**	**755**	**<0.500**	**0.451**	**<1.00**	**14.8**	**2.0/2.4**	**-37/12**	
S-2	03/16/98	7.97	1,100	---	1.7	<1.0	17	7.0/4.3	147/149	
	06/23/98	8.20	720	---	4.3	<1.0	5.7	4.2/3.8	128/134	
	06/23/98	8.20	810	---	3.7	<1.0	5.4	4.2/3.8	128/134	duplicate
	09/01/98	9.85	<2,000	---	4.1	<1.0	7.8	1.9/1.6	-26/-11	
	12/30/98	9.84	<5,000	---	1.9	<1.0	10	2.0/1.8	-54/-36	
	03/30/99	8.41	<2,000	---	<0.100	<0.100	8.51	2.1/1.8	-10/-08	
	06/14/99	9.80	<1,000	---	1.40	<1.00	5.20	2.4/2.1	-121/-113	
	09/30/99	10.58	678	<0.500	0.260	5.36	14.0	5.1/4.8	-172/-42	
	12/22/99	10.13	316	<0.500	0.0540	<1.00	24.3	9.60/5.20	-90/-46	
	03/09/00	**7.88**	**2,670**	**---**	**0.019**	**<0.10**	**6.3**	**7.6/5.0**	**58/504**	
	06/20/00	**10.27**	**<5,000**	**<0.500**	**0.499**	**<1.00**	**11.6**	**1.9/2.2**	**7/21**	
S-3	03/16/98	5.75	29,000	---	3.8	<1.0	12	3.0/3.4	153/142	
	06/23/98	5.98	3,800	---	2.0	<1.0	8.9	4.2/2.0	119/121	
	09/01/98	8.98	9,600	---	2.7	<1.0	7.3	1.9/2.8	57/35	
	09/01/98	8.98	9,200	---	2.2	<1.0	7.2	1.9/2.8	57/35	duplicate
	12/30/98	9.11	7,660	---	5.2	<1.0	5.9	1.8/1.6	75/54	
	03/30/99	6.95	2,070	---	<0.100	0.689	17.5	1.3/1.5	72/61	
	06/14/99	8.85	1,250	---	4.10	<1.00	15.0	1.6/1.2	-118/-108	
	09/30/99	9.66	8,270	<0.500	0.440	5.89	7.69	3.5/2.8	-140/-70	

Table 1. Groundwater Analytical Data - Bioattenuation Parameters - Shell-branded Service Station Incident #98995746, 4411 Foothill Boulevard, Oakland, California

Well ID	Date	Depth to Water (feet)	TPHg (ppb)	Motor Oil	Ferrous Iron	Nitrate as Nitrate	Sulfate	DO	ORP (millivolts)	Notes
				← (Concentrations in ppm) →						
	12/22/99	9.50	9,530	<0.500	1.30	<1.00	5.65	0.98/0.80	16/-57	
	03/09/00	**6.25**	**2,290**	**---**	**0.046**	**4.9**	**16**	**1.0/1.4**	**-163/-110**	**a**
	06/20/00	**9.67**	**5,570**	**<0.500**	**0.639**	**6.92**	**19.8**	**1.8/2.0**	**-102/-92**	
S-4	**03/31/00**	**8.92**	**20,900**	**---**	**3.23**	**<1.00**	**<5.00**	**1.8/1.2**	**-25/-37**	
	06/20/00	**8.77**	**19,500**	**<0.500**	**0.81**	**<1.00**	**11.2**	**2.7/2.9**	**3/-78**	
Ideal Aerobic Degradation Relationship:					Direct	Inverse	Inverse	Inverse	Direct	
Observed Relationship:					Inconclusive	Inconclusive	Moderately inverse	Moderately inverse	Inconclusive	

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
Motor Oil = Extractable hydrocarbons as motor oil by modified EPA Method 8015
DO = Dissolved oxygen (pre-purge / post-purge)
ORP = Oxidation reduction potential (pre-purge / post-purge)
ppb = Parts per billion
ppm = Parts per million
<n = Below detection limit of n units
Ferrous iron by modified EPA Method 200.7
Nitrate as nitrate and sulfate by EPA Method 300.0

a = TPHg result was generated out of hold time

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

July 28, 2000

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

Second Quarter 2000 Groundwater Monitoring at
Shell-branded Service Station
4411 Foothill Boulevard
Oakland, CA

Monitoring performed on June 20, 2000

Groundwater Monitoring Report **000620-F-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 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
Shell-branded Service Station
4411 Foothill Boulevard
Oakland, CA
Wic #204-5508-3400

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	12/18/92	41,000	NA	3,100	1,100	1,200	8,700	NA	NA	38.31	9.06	NA	NA
S-1	5/26/93	39,000	6,000	1,300	4,700	1,500	7,800	NA	NA	38.31	NA	NA	NA
S-1	5/28/93	NA	NA	NA	NA	NA	NA	NA	NA	38.31	12.13	26.18	NA
S-1	6/3/93	NA	NA	NA	NA	NA	NA	NA	NA	38.31	8.89	29.42	NA
S-1	6/8/93	NA	NA	NA	NA	NA	NA	NA	NA	38.31	8.80	29.51	NA
S-1	9/21/93	34,000	5,900	480	5,000	3,800	18,000	NA	NA	38.31	10.40	27.91	NA
S-1	12/14/93	25,000	13,000	1,100	5,000	2,200	11,000	NA	NA	38.31	9.66	28.65	NA
S-1	3/17/94	57,000	1,600	1,300	5,400	2,100	11,000	NA	NA	38.31	8.20	30.11	NA
S-1	6/16/94	57,000	3,000	1,600	6,000	2,000	13,000	NA	NA	38.31	9.41	28.90	NA
S-1	9/22/94	39,000	ND	1,300	2,100	1,500	7,100	NA	NA	38.31	11.13	27.18	NA
S-1 a	12/15/94	30,000	3,100	1,100	4,700	1,600	10,000	NA	NA	38.31	7.15	31.16	NA
S-1 a, b	3/30/95	30,000	3,100	1,400	4,000	1,500	11,000	NA	NA	38.31	6.09	32.22	NA
S-1	06/2019/95	28,000	2,100	1,100	2,300	1,100	8,300	NA	NA	38.31	7.30	31.01	NA
S-1	9/20/95	40,000	2,600	840	3,600	1,300	8,600	NA	NA	38.31	10.02	28.29	NA
S-1 a	12/6/95	38,000	6,400	920	3,200	1,500	9,400	NA	NA	38.31	11.64	26.67	NA
S-1	3/21/96	48,000	NA	700	4,200	1,100	8,600	NA	NA	38.31	6.87	31.44	NA
S-1	9/6/96	41,000	4,100	830	2,600	2,100	12,000	<250	NA	38.31	10.50	27.81	NA
S-1	12/19/96	40,000	2,500	540	3,100	1,900	9,800	920	NA	38.31	8.24	30.07	NA
S-1	3/17/97	42,000	4,700	610	2,700	1,700	11,000	3,500	NA	38.31	7.26	31.05	NA
S-1	6/11/97	28,000	4,000	540	960	1,300	5,300	220	NA	38.31	10.69	27.62	NA
S-1 (D)	6/11/97	30,000	3,900	580	1,000	1,400	5,400	<125	NA	38.31	10.69	27.62	NA
S-1	9/17/97	27,000	4,400	310	1,200	1,900	9,000	170	NA	38.31	10.26	28.05	NA
S-1 (D)	9/17/97	27,000	4,400	270	1,200	1,900	9,000	170	NA	38.31	10.26	28.05	NA
S-1	12/11/97	21,000	3,400	350	820	1,500	6,500	<125	NA	38.31	6.96	31.35	NA
S-1	3/16/98	25,000	2,500	250	820	670	5,000	<125	NA	38.31	6.00	32.31	NA
S-1 (D)	3/16/98	26,000	NA	250	840	720	5,100	<125	NA	38.31	6.00	32.31	5.3/3.7
S-1	6/23/98	<1,000	230	280	14	23	15	6,100	7,800	38.31	6.31	32.00	3.8/2.4
S-1	9/1/98	26,000	2,300	370	620	1,300	33	1,400	120	38.31	9.17	29.14	1.4/2.6

WELL CONCENTRATIONS
Shell-branded Service Station
4411 Foothill Boulevard
Oakland, CA
Wic #204-5508-3400

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	12/30/98	29,900	1,970	174	732	1,680	5,740	182	NA	38.31	8.99	29.32	1.6/2.0
S-1	3/30/99	14,200	1,150	1,360	260	1,070	3,580	<500	90.0	38.31	6.10	32.21	1.2/1.8
S-1	3/31/99	NA	NA	NA	NA	NA	NA	NA	NA	38.31	7.84	30.47	NA
S-1	6/14/99	20,200	4,280	135	407	825	5,000	705	NA	38.31	7.94	30.37	1.4/2.1
S-1	9/30/99	18,300	3,120	189	531	1,250	4,740	322	NA	38.31	10.04	28.27	4.3/2.0
S-1	12/22/99	2,450	444a	50.2	97.5	139	458	133	NA	38.31	9.42	28.89	1.8/2.3
S-1	3/9/00	1,230d	1,200a	21.2d	115d	116d	411d	45.1d	NA	38.30	6.21	32.09	2.0/2.9
S-1	6/20/00	755	352a	26.0	48.4	43.1	230	71.5	NA	38.30	9.18	29.12	2.0/2.4
S-2	5/28/93	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.51	29.28	NA
S-2	6/3/93	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.51	29.28	NA
S-2	6/8/93	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.57	29.22	NA
S-2	6/29/93	1,300	NA	290	35	38	130	NA	NA	38.79	NA	NA	NA
S-2	9/21/93	3,300	NA	870	24	190	120	NA	NA	38.79	10.54	28.25	NA
S-2	12/14/93	1,300	NA	400	16	36	27	NA	NA	38.79	9.76	29.03	NA
S-2	3/17/94	4,500	NA	610	27	92	110	NA	NA	38.79	9.92	28.87	NA
S-2 (D)	3/17/94	4,000	NA	610	26	93	120	NA	NA	38.79	9.92	28.87	NA
S-2	6/16/94	2,800	NA	690	45	97	140	NA	NA	38.79	10.11	28.68	NA
S-2	9/22/94	4,000	NA	630	94	64	230	NA	NA	38.79	10.51	28.28	NA
S-2	12/15/94	1,600	NA	450	300	67	130	NA	NA	38.79	9.12	29.67	NA
S-2 b	3/30/95	8,200	NA	2,800	190	240	700	NA	NA	38.79	7.86	30.93	NA
S-2	06/20/1995	9,600	NA	2,600	160	170	500	NA	NA	38.79	9.51	29.28	NA
S-2	9/20/95	4,200	NA	920	45	98	140	NA	NA	38.79	10.06	28.73	NA
S-2	12/6/95	<5,000	NA	790	67	64	130	NA	NA	38.79	10.52	28.27	NA
S-2	3/21/96	3,700	NA	850	45	96	170	NA	NA	38.79	8.60	30.19	NA
S-2	9/6/96	2,400	NA	500	33	39	84	490	NA	38.79	10.50	28.29	NA
S-2	12/19/96	1,200	NA	330	15	24	31	430	NA	38.79	9.40	29.39	NA
S-2	3/17/97	4,100	NA	780	42	110	120	2,200	NA	38.79	9.82	28.97	NA
S-2	6/11/97	760	NA	120	<5.0	7.0	7.6	900	NA	38.79	10.18	28.61	NA

WELL CONCENTRATIONS
Shell-branded Service Station
4411 Foothill Boulevard
Oakland, CA
Wic #204-5508-3400

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	9/17/97	1,500	NA	230	8.6	40	27	480	NA	38.79	9.90	28.89	NA
S-2	12/11/97	1,300	NA	240	15	33	57	280	NA	38.79	8.27	30.52	NA
S-2	3/16/98	1,100	NA	830	48	<10	<10	4,700	4,800	38.79	7.97	30.82	7.0/4.3
S-2	6/23/98	720	NA	46	6.8	50	68	50	8.8	38.79	8.20	30.59	4.2/3.8
S-2 (D)	6/23/98	810	NA	49	7.1	50	70	49	8.8	38.79	8.20	30.59	4.2/3.8
S-2	9/1/98	<2,000	NA	170	<20	<20	<20	9,300	12,000	38.79	9.85	28.94	1.9/1.6
S-2	12/30/98	<5,000	NA	369	<50	<50	<50	14,300	NA	38.79	9.84	28.95	2.0/1.8
S-2	3/30/99	<2,000	NA	234	<20.0	27.4	36.9	49,200	53,000	38.79	8.41	30.38	2.1/1.8
S-2	3/31/99	NA	NA	NA	NA	NA	NA	NA	NA	38.79	8.67	30.12	NA
S-2	6/14/99	<1,000	NA	175	<10.0	<10.0	11.1	67,500	NA	38.79	9.80	28.99	NA
S-2	9/30/99	678	177a	135	8.22	14.9	25.8	17,100	17,000c	38.79	10.58	28.21	5.1/4.8
S-2	12/22/99	316	142a	55.8	10.1	5.26	10.4	9,410	8,810	38.79	10.13	28.66	9.6/5.2
S-2	3/9/00	2,670	630a	1,190d	62.7	84.1	125	29,200d	31,400c	38.78	7.88	30.90	7.6/5.0
S-2	6/20/00	<5,000	401a	348	<50.0	50.4	127	35,800	33,900c	38.78	10.27	28.51	1.9/2.2
S-3	5/28/93	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.45	28.88	NA
S-3	6/3/93	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.36	28.97	NA
S-3	1/19/00	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.41	28.92	NA
S-3	6/29/93	29,000	NA	1,500	1,800	950	6,200	NA	NA	37.33	NA	NA	NA
S-3	9/21/93	15,000	NA	900	2,200	2,600	11,000	NA	NA	37.33	10.08	27.25	NA
S-3	12/94/1993	20,000	NA	1,100	2,400	1,800	8,500	NA	NA	37.33	8.80	28.53	NA
S-3	3/17/94	14,000	NA	580	190	750	1,700	NA	NA	37.33	8.34	28.99	NA
S-3	6/16/94	20,000	NA	700	690	1,400	4,100	NA	NA	37.33	9.12	28.21	NA
S-3 (D)	6/16/94	19,000	NA	680	560	1,300	3,700	NA	NA	37.33	NA	NA	NA
S-3	9/22/94	24,000	NA	630	1,100	1,400	5,700	NA	NA	37.33	10.27	27.06	NA
S-3 (D)	9/22/94	25,000	NA	720	1,100	1,500	6,100	NA	NA	37.33	NA	NA	NA
S-3	12/15/94	18,000	NA	520	800	1,100	4,200	NA	NA	37.33	7.81	29.52	NA
S-3 (D)	12/15/94	23,000	NA	1,000	1,900	2,000	8,600	NA	NA	37.33	NA	NA	NA
S-3 b	3/30/95	8,800	NA	360	730	700	3,700	NA	NA	37.33	7.06	30.27	NA

WELL CONCENTRATIONS
Shell-branded Service Station
4411 Foothill Boulevard
Oakland, CA
Wic #204-5508-3400

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3 (D)	3/30/95	7,600	NA	330	570	600	2,600	NA	NA	37.33	NA	NA	NA
S-3	06/20/1995	9,600	NA	510	170	960	1,700	NA	NA	37.33	8.15	29.18	NA
S-3 (D)	06/20/1995	9,800	NA	500	170	950	1,700	NA	NA	37.33	NA	NA	NA
S-3	9/20/95	21,000	NA	400	560	1,300	4,600	NA	NA	37.33	9.32	28.01	NA
S-3	12/6/95	24,000	NA	630	1,400	1,400	6,000	NA	NA	37.33	10.53	26.80	NA
S-3 (D)	12/6/95	22,000	NA	630	1,200	1,400	5,500	NA	NA	37.33	NA	NA	NA
S-3	3/21/96	9,100	NA	290	110	490	1,600	NA	NA	37.33	7.32	30.01	NA
S-3 (D)	3/21/96	11,000	NA	310	250	540	2,100	NA	NA	37.33	NA	NA	NA
S-3	9/6/96	15,000	NA	440	300	1,100	3,000	500	NA	37.33	10.10	27.23	NA
S-3 (D)	9/6/96	11,000	NA	490	170	820	1,500	700	NA	37.33	NA	NA	NA
S-3	12/19/96	12,000	NA	600	380	850	2,500	380	NA	37.33	8.36	28.97	NA
S-3 (D)	12/19/96	12,000	NA	590	380	830	2,500	540	NA	37.33	8.36	28.97	NA
S-3	3/17/97	12,000	NA	520	140	740	1,400	320	NA	37.33	8.57	28.76	NA
S-3 (D)	3/17/97	9,600	NA	500	100	680	1,100	<250	NA	37.33	8.57	28.76	NA
S-3	6/11/97	9,600	NA	510	94	740	1,100	410	NA	37.33	9.26	28.07	NA
S-3	9/17/97	21,000	NA	140	560	1,800	7,200	130	NA	37.33	9.62	27.71	NA
S-3	12/11/97	24,000	NA	530	970	1,600	6,900	950	NA	37.33	7.34	29.99	NA
S-3 (D)	12/11/97	29,000	NA	520	1,000	1,600	7,300	970	NA	37.33	7.34	29.99	NA
S-3	3/16/98	29,000	NA	840	810	1,700	6,000	<250	NA	37.33	5.75	31.58	3.0/3.4
S-3	6/23/98	3,800	NA	90	220	240	1,400	<50	NA	37.33	5.98	31.35	4.2/2.0
S-3	9/1/98	9,600	NA	480	120	870	1,800	490	<50	37.33	8.98	28.35	1.9/2.8
S-3 (D)	9/1/98	9,200	NA	420	110	800	1,700	110	<50	37.33	8.98	28.35	1.9/2.8
S-3	12/30/98	7,660	NA	240	103	410	834	64.9	NA	37.33	9.11	28.22	1.8/1.6
S-3	3/30/99	2,070	NA	195	10.0	<5.00	48.6	354	64.6	37.33	6.95	30.38	1.3/1.5
S-3	3/31/99	NA	NA	NA	NA	NA	NA	NA	NA	37.33	7.48	29.85	NA
S-3	6/14/99	1,250	NA	37.4	17.4	110	109	118	NA	37.33	8.85	28.48	NA
S-3	9/30/99	8,270	2,020a	226	113	686	1,440	184	NA	37.33	9.66	27.67	3.5/2.8
S-3	12/22/99	9,530	2,270a	207	132	603	1,450	616	NA	37.33	9.50	27.83	0.98/0.8
S-3	3/9/00	2,290d	1,600a	84.5d	17.0d	104d	105d	29.3d	NA	37.30	6.25	31.05	1.0/1.4

WELL CONCENTRATIONS
Shell-branded Service Station
4411 Foothill Boulevard
Oakland, CA
Wic #204-5508-3400

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3	6/20/00	5,570	2,900a	117	41.6	395	393	354	NA	37.30	9.67	27.63	1.8/2.0
S-4	3/29/00	NA	NA	NA	NA	NA	NA	NA	NA	39.06	8.37	30.69	NA
S-4	3/31/00	20,900	5,780a	4,570	272	595	997	4,490	4,450c	39.06	8.92	30.14	1.8/1.2
S-4	6/20/00	19,500	244a	4,590	309	723	1,290	3,740	NA	39.06	8.77	30.29	2.7/2.9
BW-A	9/30/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.55	NA	2.3
BW-A	12/22/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.52	NA	2.2
BW-A	3/9/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.99	NA	1.5
BW-A	6/20/00	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.69	NA	2.4

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
TOB = Top of Box Elevation
GW = Groundwater
DO = Dissolved Oxygen
ug/L = parts per billion
ppm = parts per million
msl = Mean sea level
ft = Feet
<n = Below detection limit
D = Duplicate sample
n/n = Pre-purge / Post-purge
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
4411 Foothill Boulevard
Oakland, CA
Wic #204-5508-3400

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Chromatogram pattern indicates an unidentified hydrocarbon.

b = National Environmental Testing, Inc. (NET), analyzed within hold time but further dilutions were required and analyzed out of hold time. NET suggests that these should be considered minimum concentrations.

c = Sample analyzed outside the EPA recommended holding times.

d = Result reported was generated out of hold time.

Wells S-1 through S-4 surveyed February 3, 2000 by Virgil Chavez Land Surveying of Vallejo, California.

Sequoia
Analytical

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

24 July, 2000

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

RE: 4411 Foothill Blvd.
Sequoia Report: MJF0656

Enclosed are the results of analyses for samples received by the laboratory on 06/21/00 12:03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ted Terrasas
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	MJF0656-01	Water	06/20/00 09:28	06/21/00 12:03
S-2	MJF0656-02	Water	06/20/00 10:12	06/21/00 12:03
S-3	MJF0656-03	Water	06/20/00 10:42	06/21/00 12:03
S-4	MJF0656-04	Water	06/20/00 11:04	06/21/00 12:03

Ted Terrasas, Project Manager

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (MJF0656-01) Water Sampled: 06/20/00 09:28 Received: 06/21/00 12:03									
Purgeable Hydrocarbons	**755**	50.0	ug/l	1	0F29001	06/29/00	06/29/00	DHS LUFT	P-01
Benzene	**26.0**	0.500	"	"	"	"	"	"	
Toluene	**48.4**	0.500	"	"	"	"	"	"	
Ethylbenzene	**43.1**	0.500	"	"	"	"	"	"	
Xylenes (total)	**230**	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	**71.5**	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*70-130*		"	"	"	"	
S-2 (MJF0656-02) Water Sampled: 06/20/00 10:12 Received: 06/21/00 12:03									
Purgeable Hydrocarbons	ND	5000	ug/l	100	0F29001	06/29/00	06/29/00	DHS LUFT	R-05
Benzene	**348**	50.0	"	"	"	"	"	"	
Toluene	ND	50.0	"	"	"	"	"	"	R-05
Ethylbenzene	**50.4**	50.0	"	"	"	"	"	"	
Xylenes (total)	**127**	50.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**35800**	500	"	200	"	"	06/29/00	"	M-03
Surrogate: a,a,a-Trifluorotoluene		*98.1 %*	*70-130*		"	"	*06/29/00*	"	
S-3 (MJF0656-03) Water Sampled: 06/20/00 10:42 Received: 06/21/00 12:03									
Purgeable Hydrocarbons	**5570**	500	ug/l	10	0F29002	06/29/00	06/29/00	DHS LUFT	P-01
Benzene	**117**	5.00	"	"	"	"	"	"	
Toluene	**41.6**	5.00	"	"	"	"	"	"	
Ethylbenzene	**395**	5.00	"	"	"	"	"	"	
Xylenes (total)	**393**	5.00	"	"	"	"	"	"	
Methyl tert-butyl ether	**354**	25.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*70-130*		"	"	"	"	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-4 (MJF0656-04) Water Sampled: 06/20/00 11:04 Received: 06/21/00 12:03									
Purgeable Hydrocarbons	**19500**	10000	ug/l	200	0F29002	06/29/00	06/29/00	DHS LUFT	P-01
Benzene	**4590**	100	"	"	"	"	"	"	
Toluene	**309**	100	"	"	"	"	"	"	
Ethylbenzene	**723**	100	"	"	"	"	"	"	
Xylenes (total)	**1290**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**3740**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*70-130*		"	"	"	"	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (MJF0656-01) Water Sampled: 06/20/00 09:28 Received: 06/21/00 12:03									
Diesel Range Hydrocarbons	**0.352**	0.0500	mg/l	1	0G03007	07/03/00	07/05/00	DHS LUFT	D-15
Motor Oil (C16-C36)	ND	0.500	"	"	"	"	"	"	D-19
Surrogate: n-Pentacosane		*82.2 %*	*50-150*		"	"	"	"	
S-2 (MJF0656-02) Water Sampled: 06/20/00 10:12 Received: 06/21/00 12:03									
Diesel Range Hydrocarbons	**0.401**	0.0500	mg/l	1	0G03007	07/03/00	07/05/00	DHS LUFT	D-15
Motor Oil (C16-C36)	ND	0.500	"	"	"	"	"	"	D-19
Surrogate: n-Pentacosane		*76.0 %*	*50-150*		"	"	"	"	
S-3 (MJF0656-03) Water Sampled: 06/20/00 10:42 Received: 06/21/00 12:03									
Diesel Range Hydrocarbons	**2.90**	0.0500	mg/l	1	0G03007	07/03/00	07/05/00	DHS LUFT	D-15
Motor Oil (C16-C36)	ND	0.500	"	"	"	"	"	"	D-19
Surrogate: n-Pentacosane		*68 3 %*	*50-150*		"	"	"	"	
S-4 (MJF0656-04) Water Sampled: 06/20/00 11:04 Received: 06/21/00 12:03									
Diesel Range Hydrocarbons	**0.244**	0.0500	mg/l	1	0G03007	07/03/00	07/05/00	DHS LUFT	D-15
Motor Oil (C16-C36)	ND	0.500	"	"	"	"	"	"	D-19
Surrogate: n-Pentacosane		*76.0 %*	*50-150*		"	"	"	"	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

MTBE Confirmation by EPA Method 8260A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-2 (MJF0656-02) Water Sampled: 06/20/00 10:12 Received: 06/21/00 12:03									**I-02**
Methyl tert-butyl ether	**33900**	2000	ug/l	2000	0G13013	07/13/00	07/13/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		*84.2 %*		*70-130*		"	"	"	"

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0F29001 - EPA 5030B [P/T]										
Blank (0F29001-BLK1)				Prepared & Analyzed: 06/29/00						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	*9.85*		"	*10.0*		*98.5*	*70-130*			
LCS (0F29001-BS1)				Prepared & Analyzed: 06/29/00						
Benzene	10.4	0.500	ug/l	10.0		104	70-130			
Toluene	10.6	0.500	"	10.0		106	70-130			
Ethylbenzene	10.7	0.500	"	10.0		107	70-130			
Xylenes (total)	32.3	0.500	"	30.0		108	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.3*		"	*10.0*		*103*	*70-130*			
Matrix Spike (0F29001-MS1)		**Source: MJF0565-01**		Prepared & Analyzed: 06/29/00						
Benzene	10.6	0.500	ug/l	10.0	ND	106	60-140			
Toluene	10.4	0.500	"	10.0	ND	104	60-140			
Ethylbenzene	10.5	0.500	"	10.0	ND	105	60-140			
Xylenes (total)	31.8	0.500	"	30.0	ND	106	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.93*		"	*10.0*		*99.3*	*70-130*			
Matrix Spike Dup (0F29001-MSD1)		**Source: MJF0565-01**		Prepared & Analyzed: 06/29/00						
Benzene	10.4	0.500	ug/l	10.0	ND	104	60-140	1.90	25	
Toluene	10.2	0.500	"	10.0	ND	102	60-140	1.94	25	
Ethylbenzene	10.2	0.500	"	10.0	ND	102	60-140	2.90	25	
Xylenes (total)	30.8	0.500	"	30.0	ND	103	60-140	3.19	25	
Surrogate: a,a,a-Trifluorotoluene	*10.3*		"	*10.0*		*103*	*70-130*			

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0F29002 - EPA 5030B [P/T]										
Blank (0F29002-BLK1)				Prepared & Analyzed: 06/29/00						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	*9.05*		"	*10.0*		*90.5*	*70-130*			
LCS (0F29002-BS1)				Prepared & Analyzed: 06/29/00						
Benzene	9.26	0.500	ug/l	10.0		92.6	70-130			
Toluene	9.22	0.500	"	10.0		92.2	70-130			
Ethylbenzene	9.19	0.500	"	10.0		91.9	70-130			
Xylenes (total)	27.6	0.500	"	30.0		92.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.37*		"	*10.0*		*93.7*	*70-130*			
Matrix Spike (0F29002-MS1)		**Source: MJF0586-01**		Prepared & Analyzed: 06/29/00						
Benzene	9.19	0.500	ug/l	10.0	ND	91.9	60-140			
Toluene	9.24	0.500	"	10.0	ND	92.4	60-140			
Ethylbenzene	8.96	0.500	"	10.0	ND	89.6	60-140			
Xylenes (total)	27.6	0.500	"	30.0	ND	92.0	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.40*		"	*10.0*		*94.0*	*70-130*			
Matrix Spike Dup (0F29002-MSD1)		**Source: MJF0586-01**		Prepared & Analyzed: 06/29/00						
Benzene	9.23	0.500	ug/l	10.0	ND	92.3	60-140	0.434	25	
Toluene	9.24	0.500	"	10.0	ND	92.4	60-140	0	25	
Ethylbenzene	9.02	0.500	"	10.0	ND	90.2	60-140	0.667	25	
Xylenes (total)	27.7	0.500	"	30.0	ND	92.3	60-140	0.362	25	
Surrogate: a,a,a-Trifluorotoluene	*9.39*		"	*10.0*		*93.9*	*70-130*			

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G03007 - EPA 3510B										
Blank (0G03007-BLK1)				Prepared: 07/03/00 Analyzed: 07/05/00						
Diesel Range Hydrocarbons	ND	0.0500	mg/l							
Motor Oil (C16-C36)	ND	0.500	"							
Surrogate: n-Pentacosane	*0.0850*		"	*0.100*		*85.0*	*50-150*			
LCS (0G03007-BS1)				Prepared: 07/03/00 Analyzed: 07/05/00						
Diesel Range Hydrocarbons	0.832	0.0500	mg/l	1.00		83.2	60-140			
Surrogate: n-Pentacosane	*0.0856*		"	*0.100*		*85.6*	*50-150*			
Matrix Spike (0G03007-MS1)		**Source: MJF0656-03**		Prepared: 07/03/00 Analyzed: 07/05/00						
Diesel Range Hydrocarbons	2.12	0.0500	mg/l	1.00	2.90	-78.0	50-150			Q-02
Surrogate: n-Pentacosane	*0.0882*		"	*0.100*		*88.2*	*50-150*			
Matrix Spike Dup (0G03007-MSD1)		**Source: MJF0656-03**		Prepared: 07/03/00 Analyzed: 07/05/00						
Diesel Range Hydrocarbons	1.99	0.0500	mg/l	1.00	2.90	-91.0	50-150	6.33	50	Q-02
Surrogate: n-Pentacosane	*0.0869*		"	*0.100*		*86.9*	*50-150*			

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

MTBE Confirmation by EPA Method 8260A - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G13013 - EPA 5030B [P/T]										
Blank (0G13013-BLK1)				Prepared & Analyzed: 07/13/00						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*8.46*		"	*10.0*		*84.6*	*70-130*			
LCS (0G13013-BS1)				Prepared & Analyzed: 07/13/00						
Methyl tert-butyl ether	7.65	1.00	ug/l	10.0		76.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	*8.38*		"	*10.0*		*83.8*	*70-130*			
Matrix Spike (0G13013-MS1)		**Source: MJF0704-18**		Prepared & Analyzed: 07/13/00						
Methyl tert-butyl ether	12.4	1.00	ug/l	10.0	5.89	65.1	70-130			Q-02
Surrogate: 1,2-Dichloroethane-d4	*13.6*		"	*10.0*		*136*	*70-130*			*S-04*
Matrix Spike Dup (0G13013-MSD1)		**Source: MJF0704-18**		Prepared & Analyzed: 07/13/00						
Methyl tert-butyl ether	10.5	1.00	ug/l	10.0	5.89	46.1	70-130	16.6	25	Q-02
Surrogate: 1,2-Dichloroethane-d4	*13.0*		"	*10.0*		*130*	*70-130*			

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/24/00 18:22

Notes and Definitions

D-15	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
D-19	Chromatogram pattern: Unidentified Hydrocarbons C16-C36.
I-02	This sample was analyzed outside of the EPA recommended holding time.
M-03	Sample was analyzed at a second dilution per clients request.
P-01	Chromatogram Pattern: Gasoline C6-C12
Q-02	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
R-05	The reporting limit(s) for this sample have been raised due to high levels of non-target interferents.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

BLAINE
TECH SERVICES INC.

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

CHAIN OF CUSTODY 000620 F2

CLIENT: Equiva - Karen Petryna

SITE: 4411 Foothill Blvd.
Oakland, CA

LAB: Sequoia

DHS #

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

☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION

MJF0656

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 98995746

Send report to Blaine Tech Services

Attn: Ann Pember

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	Date	Time	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	40 ml VOAs NP Amb. Liters	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	motor oil	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
S-1	6-20-00	928	W	6	X	X	X		X			X	*1 Confirm Highest MTBE Hit by EPA 8260"			1
S-2		1012			X											2
S-3		1042			X											3
S-4		1104			X											4

SAMPLING COMPLETED: DATE 6-20-00 TIME 1104

SAMPLING PERFORMED BY: Mike Stewart

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	6/21/00	8:40			
	6/21/00			6/21/00	8:40

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

DATE 6/21/00 TIME 1203

Sequoia
Analytical

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

5 July, 2000

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

RE: 4411 Foothill Blvd.
Sequoia Report: MJF0719

Enclosed are the results of analyses for samples received by the laboratory on 06/21/00 19:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ted Terrasas
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/05/00 09:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	MJF0719-01	Water	06/20/00 09:28	06/21/00 19:35
S-2	MJF0719-02	Water	06/20/00 10:12	06/21/00 19:35
S-3	MJF0719-03	Water	06/20/00 11:04	06/21/00 19:35
S-4	MJF0719-04	Water	06/20/00 10:42	06/21/00 19:35

Ted Terrasas, Project Manager

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/05/00 09:54

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (MJF0719-01) Water	**Sampled: 06/20/00 09:28**	**Received: 06/21/00 19:35**							
Ferrous Iron	**0.451**	0.0100	mg/l	1	0F26027	06/26/00	06/26/00	EPA 6010A	
S-2 (MJF0719-02) Water	**Sampled: 06/20/00 10:12**	**Received: 06/21/00 19:35**							
Ferrous Iron	**0.499**	0.0100	mg/l	1	0F26027	06/26/00	06/26/00	EPA 6010A	
S-3 (MJF0719-03) Water	**Sampled: 06/20/00 11:04**	**Received: 06/21/00 19:35**							
Ferrous Iron	**0.639**	0.0100	mg/l	1	0F26027	06/26/00	06/26/00	EPA 6010A	
S-4 (MJF0719-04) Water	**Sampled: 06/20/00 10:42**	**Received: 06/21/00 19:35**							
Ferrous Iron	**0.814**	0.0100	mg/l	1	0F26027	06/26/00	06/26/00	EPA 6010A	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/05/00 09:54

Anions by EPA Method 300.0

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (MJF0719-01) Water Sampled: 06/20/00 09:28 Received: 06/21/00 19:35									
Nitrate as NO3	ND	1.00	mg/l	10	0F28007	06/22/00	06/22/00	EPA 300.0	
Sulfate as SO4	**14.8**	5.00	"	"	"	"	"	"	
S-2 (MJF0719-02) Water Sampled: 06/20/00 10:12 Received: 06/21/00 19:35									
Nitrate as NO3	ND	1.00	mg/l	10	0F28007	06/22/00	06/22/00	EPA 300.0	
Sulfate as SO4	**11.6**	5.00	"	"	"	"	"	"	
S-3 (MJF0719-03) Water Sampled: 06/20/00 11:04 Received: 06/21/00 19:35									
Nitrate as NO3	**6.92**	1.00	mg/l	10	0F28007	06/22/00	06/22/00	EPA 300.0	
Sulfate as SO4	**19.8**	5.00	"	"	"	"	"	"	
S-4 (MJF0719-04) Water Sampled: 06/20/00 10:42 Received: 06/21/00 19:35									
Nitrate as NO3	ND	1.00	mg/l	10	0F28007	06/22/00	06/22/00	EPA 300.0	
Sulfate as SO4	**11.2**	5.00	"	"	"	"	"	"	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/05/00 09:54

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0F26027 - EPA 3005A										
Blank (0F26027-BLK1)				Prepared & Analyzed: 06/26/00						
Ferrous Iron	0.0132	0.0100	mg/l							Q-19
LCS (0F26027-BS1)				Prepared & Analyzed: 06/26/00						
Ferrous Iron	1.09	0.0100	mg/l	1.00		109	80-120			
Matrix Spike (0F26027-MS1)		**Source: MJF0747-01**		Prepared & Analyzed: 06/26/00						
Ferrous Iron	1.79	0.0100	mg/l	1.00	1.08	71.0	80-120			Q-01
Matrix Spike Dup (0F26027-MSD1)		**Source: MJF0747-01**		Prepared & Analyzed: 06/26/00						
Ferrous Iron	1.54	0.0100	mg/l	1.00	1.08	46.0	80-120	15.0	20	Q-01

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/05/00 09:54

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0F28007 - General Preparation										
Blank (0F28007-BLK1)				Prepared & Analyzed: 06/22/00						
Nitrate as NO3	ND	0.100	mg/l							
Sulfate as SO4	ND	0.500	"							
LCS (0F28007-BS1)				Prepared & Analyzed: 06/22/00						
Nitrate as NO3	9.76	0.100	mg/l	10.0		97.6	90-110			
Sulfate as SO4	9.71	0.500	"	10.0		97.1	90-110			
Matrix Spike (0F28007-MS1)	**Source: MJF0719-01**			Prepared & Analyzed: 06/22/00						
Nitrate as NO3	95.6	1.00	mg/l	100	ND	95.6	80-120			
Sulfate as SO4	107	5.00	"	100	14.8	92.2	80-120			
Matrix Spike Dup (0F28007-MSD1)	**Source: MJF0719-01**			Prepared & Analyzed: 06/22/00						
Nitrate as NO3	95.7	1.00	mg/l	100	ND	95.7	80-120	0.105	20	
Sulfate as SO4	108	5.00	"	100	14.8	93.2	80-120	0.930	20	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 4411 Foothill Blvd.	
1680 Rogers Avenue	Project Number: 4411 Foothill Blvd./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/05/00 09:54

Notes and Definitions

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.
Q-19	The method blank contains an analyte at a concentration above the MRL.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

BLAINE
TECH SERVICES INC.

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

CHAIN OF CUSTODY 000620 #2

CLIENT: Equiva - Karen Petryna

SITE: 4411 Foothill Blvd.

Oakland, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB

DHS #

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

☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

MJF0719

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 98995746

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLE I.D.	Date	TIME	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	NP Poly Liters	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	Nitrate, sulfate	Ferrous iron	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
S-1	6-20-00	928	W	2	X							X	X		1		MJF0719
S-2	6-20-00	1012			X							X	X		2		
S-3	6-20-00	1104			X							X	X		3		
S-4	6-20-00	1042	↓	↓	X							X	X		4		

COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐

COOLER TEMPERATURE ____ °C

SAMPLING COMPLETED	DATE	TIME
	6-20-00	1104

SAMPLING PERFORMED BY: MIKE STEWART

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
M	6-20-00			6-20-00	17:20
Karl Hermann	6/20/00	1600		6/21	14:30
	6-21	19:17	BN	6/21	19:35

SHIPPED VIA: fax a copy

DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 000620 F2 Date 6-20-00 Client Equiva

Site 4411 Foothill 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
S-1	4					9.18	24.93	
S-2	4					10.27	22.51	
S-3	4					9.67	20.55	
S-4	4					8.77	20.15	
BW-A	4	DO → 2.4 mg/L ORP → 27				9.69	12.40	
[redacted]								
(* Installed NEW ORC's in S-1, S-2, BW-A.)								

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000620 F2	Site: Equiva
Sampler: Mike S.	Date: 6-20-00
Well I.D.: S-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 24.93	Depth to Water: 9.18
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
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

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

10.2 (Gals.) X 3 = 30.6 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
922	68.2	7.2	864	35	11	ODOR
924	69.0	7.1	867	47	22	↓
926	69.1	7.1	869	43	31	↓

Did well dewater? Yes (No) Gallons actually evacuated: 31

Sampling Time: 928 Sampling Date: 6-21-00

Sample I.D.: S-1 Laboratory: (Sequoia) Columbia Other_____

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

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

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

D.O. (if req'd):	(Pre-purge)	2.0 mg/L	(Post-purge)	2.4	mg/L
O.R.P. (if req'd):	(Pre-purge)	-37 mV	(Post-purge)	12	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000620 F2	Site: Equiva
Sampler: MIKES.	Date: 6-20-00
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 22.51	Depth to Water: 10.27
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
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

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

7.9 (Gals.) X 3 = 23.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1004	69.1	7.2	1428	60	8	odor
1005	69.5	7.1	1357	87	16	
1006	69.7	7.2	1359	75	24	

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Time: 1012 Sampling Date: 6-20-00

Sample I.D.: S-2 Laboratory: (Sequoia) Columbia Other_____

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

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

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

D.O. (if req'd):	(Pre-purge):	1.9 mg/L	(Post-purge):	2.2 mg/
O.R.P. (if req'd):	(Pre-purge):	7 mV	(Post-purge):	21 mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000620-E2	Site: Equiva
Sampler: Mikes.	Date: 6-20-00
Well I.D.: S-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 20.55	Depth to Water: 9.67
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: _____

1 Case Volume		Specified Volumes		Calculated Volume
7.0 (Gals.)	X	3	=	21.2 Gals.

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
1058	68.0	6.7	1265	>200	7	BROWN/ODOR
1059	68.1	6.8	1267	>200	14	✓ ✓
1100	68.4	6.7	1263	>200	22	

Did well dewater? Yes (No) Gallons actually evacuated: 22

Sampling Time: 1104 Sampling Date: 6-20-00

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

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

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

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

D.O. (if req'd):	(Pre-purge):	1.8 mg/L	(Post-purge):	2.0 mg/L	
O.R.P. (if req'd):	(Pre-purge):	-102 mV	(Post-purge):	-92 mV	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000620 SL	Site: Equiva
Sampler: MIKE S.	Date: 6-20-00
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 20.15	Depth to Water: 8.77
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
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

7.3 (Gals.) X 3 = 22.1 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
1037	67.5	6.7	1463	50	8	Cloudy
~~1038~~ 1038	68.1	6.8	1487	63	16	↓
1039	68.0	6.8	1467	60	23	↓

Did well dewater? Yes (No)	Gallons actually evacuated: 23
Sampling Time: 1042	Sampling Date: 6-20-00
Sample I.D.: S-4	Laboratory: (Sequoia) Columbia Other_____
Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D)	Other:
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:

D.O. (if req'd):	(Pre-purge):	2.7 mg/L	(Post-purge):	2.9 mg/L
O.R.P. (if req'd):	(Pre-purge):	3 mV	(Post-purge):	-78 mV