

June 6, 2000

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

Re: **Second Quarter 2000 Monitoring Report**
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, California
Incident #98995822
Cambria Project# 242-0687-002

ENVIRONMENTAL HEALTH SERVICES

JUN 12 2000

DIRECTOR'S OFFICE



Dear Ms. Evans:

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

SECOND QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California measured dissolved oxygen concentrations and gauged and sampled selected site wells, calculated groundwater elevations, and compiled the gasoline constituents analytical data. Cambria prepared a groundwater elevation contour map (Figure 1) and compiled the volatile organic compounds (VOC) data (Table 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

ANTICIPATED FUTURE 2000 ACTIVITIES

Groundwater Monitoring: The next sampling event is scheduled for the fourth quarter of 2000. At that time, Blaine will measure dissolved oxygen, gauge and sample all wells, and tabulate the data. Cambria will prepare a monitoring report.

Two years of monitoring data have shown no VOC detections in onsite monitoring well samples. The relatively low offsite detections are apparently from an offsite source. Therefore, we request your concurrence with discontinuing analysis for these compounds.

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

CLOSING

We appreciate the opportunity to work with you on this project. Please call Stephan Bork at (510) 420-3344 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc



Anni Kreml
Senior Staff Scientist

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

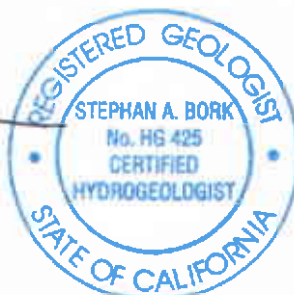


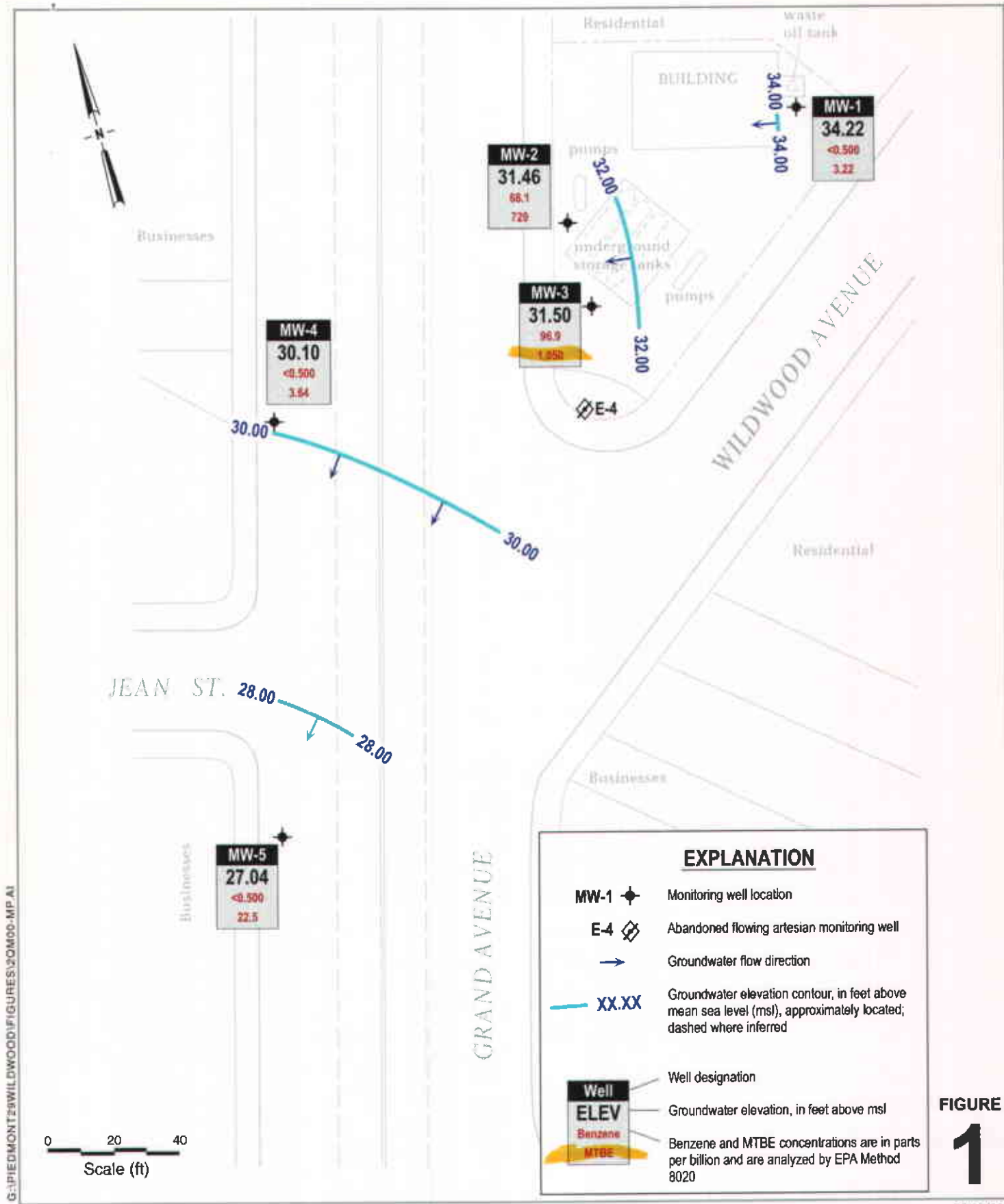
Figure: 1 - Groundwater Elevation Contour Map

Table: 1 - Groundwater Analytical Data - Volatile Organic Compounds

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869

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Shell-branded Service Station
 29 Wildwood Avenue
 Piedmont, California
 Incident #98995822



Groundwater Elevation Contour Map

April 5, 2000

Table 1. Groundwater Analytical Data - Volatile Organic Compounds - Shell-branded Service Station, Incident #98995822 - 29 Wildwood Avenue, Piedmont, California

Well ID (Qtrs Sampled)	Date	(Concentrations in ppb)				Notes
		← cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene →	
MW-1 (2nd & 4th)	05/13/98	<0.50	<0.50	<0.50	<0.50	a
	10/01/98	<0.50	<0.50	<0.50	<0.50	
	04/29/99	<0.50	<0.50	<0.50	<0.50	
	11/01/99	<0.500	<0.500	<0.500	<0.500	
	04/05/00	<0.500	<0.500	<0.500	<0.500	
MW-2 (4th)	10/01/98	<0.50	<0.50	<0.50	<0.50	
	11/01/99	<0.500	<0.500	<0.500	<0.500	
	04/05/00	<0.500	<0.500	<0.500	<0.500	
MW-3 (4th)	10/01/98	<0.50	<0.50	<0.50	<0.50	duplicate
	10/01/98	<0.50	<0.50	<0.50	<0.50	
	11/01/99	<0.500	<0.500	<0.500	<0.500	
	04/05/00	<0.500	<0.500	<0.500	<0.500	
MW-4 (2nd & 4th)	05/13/98	---	---	---	---	b
	10/01/98	2.5	1.5	3.2	1.1	
	04/29/99	2.2	0.58	2.5	0.78	
	11/01/99	---	---	---	---	
	04/05/00	1.14	0.655	2.26	0.838	
MW-5 (2nd & 4th)	05/13/98	16	9.3	200	28	a a, duplicate
	05/13/98	16	8.7	190	19	
	10/01/98	9	5.1	95	12	
	04/29/99	6.6	3.3	100	10	
	11/01/99	6.08	<2.50	91.9	11.7	
	04/05/00	8.26	<5.00	130	15.7	

Abbreviations & Notes:

ppb = Parts per billion

--- = Not available

<n = Below detection limits of n ppb

a = Chloroform was detected at 120 ppb in the equipment blank; samples analyzed past hold time

b = Well inaccessible

c = MW-4 also contained 8.89ppb 4-bromofluorobenzene

Volatile organic compounds by EPA Method 8010; only detected compounds are tabulated

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

May 12, 2000

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

Second Quarter 2000 Groundwater Monitoring at
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA

Monitoring performed on April 5, 2000

Groundwater Monitoring Report 000405-N-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, 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,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin
Operations Manager

DK/pb

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	07/12/1989	<50	<0.5	<1	<1	<3	NA	NA	37.96	2.76	35.20	NA
MW-1	01/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.10	34.86	NA
MW-1	04/27/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.24	34.72	NA
MW-1	07/31/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	4.26	33.70	NA
MW-1	10/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	4.25	33.71	NA
MW-1	01/31/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.66	34.30	NA
MW-1	04/30/1991	<50	0.8	<0.5	0.6	1.2	NA	NA	37.96	3.46	34.50	NA
MW-1	07/30/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	4.14	33.82	NA
MW-1	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.96	34.00	NA
MW-1	01/20/1992	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	37.96	3.59	34.37	NA
MW-1	04/14/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.18	31.71	NA
MW-1	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	4.17	33.79	NA
MW-1	10/02/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	4.29	33.67	NA
MW-1	01/20/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	2.32	35.64	NA
MW-1	05/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.50	34.46	1.9
MW-1	06/28/1993	NA	NA	NA	NA	NA	NA	NA	37.96	3.76	34.20	NA
MW-1	07/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	4.09	33.87	4.6
MW-1	10/19/1993	50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.58	34.38	4.3
MW-1	01/20/1994	Well inaccessible		NA	NA	NA	NA	NA	37.96	NA	NA	NA
MW-1	04/12/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.60	34.36	7.5
MW-1	07/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	4.10	33.86	3.2
MW-1	10/06/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	4.30	33.66	3.2
MW-1	01/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	2.94	35.02	10.6
MW-1	07/06/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	3.68	34.28	NA
MW-1	01/24/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	37.96	2.12	35.84	NA

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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MW-1	07/12/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	37.96	3.58	34.38	2.7
MW-1	01/16/1997	120	14	10	3.6	14	<2.5	NA	37.96	2.30	35.66	3
MW-1	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	8.6	NA	37.96	3.66	34.30	4.5
MW-1	05/13/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	37.96	2.81	35.15	5.1
MW-1	10/01/1998	<50	<0.50c	<0.50c	<0.50c	<0.50c	<2.5c	NA	37.96	3.75	34.21	5.0
MW-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	37.96	3.52	34.44	4.1
MW-1	11/01/1999	<50.0	<0.500	<0.500	<0.500	<0.500	5.03	NA	37.96	4.05	33.91	3.6
MW-1	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	3.22	NA	37.96	3.74	34.22	4.2

MW-2	07/12/1989	60	2.7	<1	<1	<3	NA	NA	34.89	3.66	31.23	NA
MW-2	01/30/1990	<50	6.6	<0.5	0.54	0.93	NA	NA	34.89	3.49	31.40	NA
MW-2	04/27/1990	60	2.1	<0.5	<0.5	<0.5	NA	NA	34.89	3.79	31.10	NA
MW-2	07/31/1990	70	1.5	<0.5	<0.5	<0.5	NA	NA	34.89	4.03	30.86	NA
MW-2	10/30/1990	70	<0.5	0.7	<0.5	1.6	NA	NA	34.89	4.21	30.68	NA
MW-2	01/31/1991	80	<0.5	<0.5	0.9	1.9	NA	NA	34.89	4.09	30.80	NA
MW-2	04/30/1991	100	5.9	0.6	0.7	2	NA	NA	34.89	3.95	30.94	NA
MW-2	07/30/1991	<50	<0.5	<0.7	<0.5	<0.5	NA	NA	34.89	4.07	30.82	NA
MW-2	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.89	4.11	30.78	NA
MW-2	01/20/1992	<30	0.84	<0.3	<0.41	<0.48	NA	NA	34.89	3.86	31.03	NA
MW-2	04/14/1992	70	16	<0.5	3.1	2.1	NA	NA	34.89	3.66	34.30	NA
MW-2	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.89	3.92	30.97	NA
MW-2	10/02/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.89	4.45	30.44	NA
MW-2	01/20/1993	<50	3.8	<0.5	0.52	<0.5	NA	NA	34.89	3.74	31.15	NA
MW-2	05/03/1993	680a	2.8	<0.5	<0.5	<0.5	NA	NA	34.89	3.77	31.12	0.9
MW-2	06/28/1993	NA	NA	NA	NA	NA	NA	NA	34.89	3.96	30.93	NA
MW-2	07/21/1993	<50	8	1.2	1.8	7.9	NA	NA	34.89	4.39	30.50	5.9

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	10/19/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.89	3.92	30.97	5.7
MW-2	01/20/1994	<50	1.5	<0.5	<0.5	<0.5	NA	NA	34.89	4.45	30.44	3.2
MW-2	04/12/1994	<50	2.9	<0.5	<0.5	<0.5	NA	NA	34.89	4.72	30.17	11.4
MW-2	07/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.89	5.32	29.57	2.4
MW-2	10/06/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.89	4.03	30.86	2.9
MW-2	01/20/1995	290	28	<0.5	<0.5	<0.5	NA	NA	34.89	3.89	31.00	4.6
MW-2	07/06/1995	120	3	<0.5	<0.5	<0.5	NA	NA	34.89	8.84	26.05	NA
MW-2	01/24/1996	70	3.1	<0.5	0.8	1.5	NA	NA	34.89	3.80	31.09	NA
MW-2 (D)	01/24/1996	70	3.2	0.5	0.7	1.5	NA	NA	34.89	NA	NA	NA
MW-2	07/12/1996	<50	0.68	<0.5	<0.5	<0.5	270	NA	34.89	3.85	31.04	3.8
MW-2	01/16/1997	230	34	1.6	1.6	4.2	460	NA	34.89	3.84	31.05	NA
MW-2	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	54	NA	34.89	3.75	31.14	2.9
MW-2	05/13/1998	NA	NA	NA	NA	NA	NA	NA	34.89	3.78	31.11	NA
MW-2	10/01/1998	<50	<0.50c	<0.50c	<0.50c	<0.50c	100	NA	34.89	4.90	29.99	3.0
MW-2	04/29/1999	NA	NA	NA	NA	NA	NA	NA	34.89	4.69	30.20	NA
MW-2	11/01/1999	<50.0	<0.500	1.29	0.669	4.52	7.21	NA	34.89	5.24	29.65	2.9
MW-2	04/05/2000	376d	68.1d	3.10d	2.88d	5.35d	729d	NA	34.89	3.43	31.46	3.6
MW-3	07/12/1989	3,900	380	41	99	30	NA	NA	35.00	3.83	31.17	NA
MW-3	01/30/1990	5,500	440	35	79	130	NA	NA	35.00	3.24	31.76	NA
MW-3	04/27/1990	4,500	310	26	37	110	NA	NA	35.00	4.02	30.98	NA
MW-3	07/31/1990	3,500	210	17	8.4	62	NA	NA	35.00	4.31	30.69	NA
MW-3	10/30/1990	2,300	610	<0.5	<0.5	28	NA	NA	35.00	4.52	30.48	NA
MW-3	01/31/1991	4,100	300	20	19	81	NA	NA	35.00	4.33	30.67	NA
MW-3	04/30/1991	3,800	370	19	8.6	60	NA	NA	35.00	3.79	31.21	NA
MW-3	07/30/1991	3,300	160	13	15	87	NA	NA	35.00	4.37	30.63	NA

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	10/29/1991	1,000	35	2.8	2.9	8.1	NA	NA	35.00	4.00	31.00	NA
MW-3	01/20/1992	6,900	380	18	47	48	NA	NA	35.00	3.87	31.13	NA
MW-3	04/14/1992	6,000	480	38	41	55	NA	NA	35.00	3.15	31.85	NA
MW-3	07/21/1992	3,700	330	13	30	23	NA	NA	35.00	4.17	30.83	NA
MW-3	10/02/1992	4,200	260	10	13	12	NA	NA	35.00	4.43	30.57	NA
MW-3	01/20/1993	4,200	360	15	32	26	NA	NA	35.00	2.20	32.80	NA
MW-3 (D)	01/20/1993	3,900	370	15	32	26	NA	NA	35.00	NA	NA	NA
MW-3	05/03/1993	12,000	290	520	120	620	NA	NA	35.00	3.50	31.50	0.6
MW-3	06/28/1993	NA	NA	NA	NA	NA	NA	NA	35.00	4.08	30.92	NA
MW-3	07/21/1993	2,000	170	12	<10	11	NA	NA	35.00	4.12	30.88	4.3
MW-3 (D)	07/21/1993	2,000	170	10	<10	14	NA	NA	35.00	NA	NA	NA
MW-3	10/19/1993	2,000	240	<0.5	<0.5	<0.5	NA	NA	35.00	4.20	30.80	5.7
MW-3	01/20/1994	4,200	280	<10	<10	<10	NA	NA	35.00	4.08	30.92	4.1
MW-3 (D)	01/20/1994	3,800	250	<10	<10	<10	NA	NA	35.00	NA	NA	4.1
MW-3	04/12/1994	4,700	380	<10	<10	<10	NA	NA	35.00	3.70	31.30	10.6
MW-3 (D)	04/12/1994	3,400	370	<25	<25	<25	NA	NA	35.00	NA	NA	NA
MW-3	07/20/1994	5,100	320	77	15	34	NA	NA	35.00	4.26	30.74	2.3
MW-3 (D)	07/20/1994	4,400	250	14	13	32	NA	NA	35.00	NA	NA	NA
MW-3	10/06/1994	4,300	280	9.7	4	15	NA	NA	35.00	4.31	30.69	2.3
MW-3	01/20/1995	4,600	180	18	16	10	NA	NA	35.00	3.00	32.00	11.1
MW-3 (D)	01/20/1995	4,300	170	12	15	7.2	NA	NA	35.00	NA	NA	NA
MW-3	07/06/1995	3,900	310	<0.5	7.6	13	NA	NA	35.00	3.75	31.25	NA
MW-3 (D)	07/06/1995	4,100	330	<0.5	7.9	2.4	NA	NA	35.00	NA	NA	NA
MW-3	01/24/1996	5,000	210	14	14	12	NA	NA	35.00	3.26	31.74	NA
MW-3	07/12/1996	2,700	210	<0.5	<0.5	<0.5	3,600	NA	35.00	3.77	31.23	2.4
MW-3 (D)	07/12/1996	2,800	210	<0.5	<0.5	<0.5	3,400	NA	35.00	NA	NA	2.4

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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MW-3	01/16/1997	4,200	130	19	10	34	4,400	4,600	35.00	2.38	32.62	2.3
MW-3	10/24/1997	4,100	270	9	5.1	8.8	2,000	NA	35.00	4.12	30.88	1.9
MW-3 (D)	10/24/1997	1,700	220	<5.0	<5.0	<5.0	1,500	NA	35.00	NA	NA	1.9
MW-3	05/13/1998	NA	NA	NA	NA	NA	NA	NA	35.00	3.22	31.78	NA
MW-3	10/01/1998	1,400	84c	<5.0c	<5.0c	<5.0c	2,300	NA	35.00	4.15	30.85	2.0
MW-3 (D)	10/01/1998	2,100	100c	<10c	<10c	<10c	2,600	NA	35.00	NA	NA	2.0
MW-3	04/29/1999	NA	NA	NA	NA	NA	NA	NA	35.00	4.27	30.73	NA
MW-3	11/01/1999	1,850	94.3	6.09	<5.00	6.67	4,140	NA	35.00	4.65	30.35	2.2
MW-3	04/05/2000	3,070	96.9	12.1	<10.0	<10.0	1,050	NA	35.00	3.50	31.50	2.7

MW-4	01/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.50	29.23	NA
MW-4	04/27/1990	130a	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.62	30.11	NA
MW-4	07/31/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.19	29.54	NA
MW-4	10/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.19	29.54	NA
MW-4	01/31/1991	50a	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.49	29.24	NA
MW-4	04/30/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.02	29.71	NA
MW-4	07/30/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.39	29.34	NA
MW-4	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.75	29.98	NA
MW-4	01/20/1992	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	33.73	3.94	29.79	NA
MW-4	04/14/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.71	30.02	NA
MW-4	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.02	29.71	NA
MW-4	10/02/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.13	29.60	NA
MW-4	01/20/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.10	30.63	NA
MW-4	05/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.70	30.03	1.7
MW-4	06/28/1993	NA	NA	NA	NA	NA	NA	NA	33.73	3.81	29.92	NA
MW-4	07/21/1993	<50	0.56	<0.5	<0.5	<0.5	NA	NA	33.73	3.81	29.92	4.5

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	10/19/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.94	29.79	5.8
MW-4	01/20/1994	<50	0.71	<0.5	<0.5	<0.5	NA	NA	33.73	4.00	29.73	4.4
MW-4	04/12/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	4.01	29.72	7.3
MW-4	07/20/1994	160	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.91	29.82	6.4
MW-4	10/06/1994	410	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.99	29.74	5.0
MW-4	01/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.56	30.17	4.9
MW-4	07/06/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.73	3.85	29.88	NA
MW-4	01/24/1996	<50	<0.5	<0.5	0.6	1.8	NA	NA	33.73	2.56	31.17	NA
MW-4	07/12/1996	<50	<0.5	<0.5	<0.5	<0.5	b	NA	33.73	3.36	30.37	2.7
MW-4	01/16/1997	Well inaccessible		NA	NA	NA	NA	NA	33.73	NA	NA	NA
MW-4	10/24/1997	Well inaccessible		NA	NA	NA	NA	NA	33.73	NA	NA	NA
MW-4	05/13/1998	Well inaccessible		NA	NA	NA	NA	NA	33.73	NA	NA	NA
MW-4	10/01/1998	<50	<0.50c	<0.50c	<0.50c	0.74c	8.1	NA	33.73	3.90	29.83	2.5
MW-4	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	5.7	NA	33.73	3.97	29.76	2.1
MW-4	11/01/1999	Well inaccessible		NA	NA	NA	NA	NA	33.73	NA	NA	NA
MW-4	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	3.64	NA	33.73	3.63	30.10	2.1
MW-5	01/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	7.12	24.26	NA
MW-5	04/27/1990	210a	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.19	27.19	NA
MW-5	07/31/1990	90	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.09	27.29	NA
MW-5	10/30/1990	100	0.8	0.7	0.6	1.4	NA	NA	31.38	4.39	26.99	NA
MW-5	01/31/1991	80a	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.49	26.89	NA
MW-5	04/30/1991	90	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.27	27.11	NA
MW-5	07/30/1991	90	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.32	27.06	NA
MW-5	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	3.79	27.59	NA
MW-5	01/20/1992	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	31.38	4.09	27.29	NA

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	04/14/1992	<50a	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.12	27.26	NA
MW-5	07/21/1992	74a	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.13	27.25	NA
MW-5	10/02/1992	76a	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.30	27.08	NA
MW-5	01/20/1993	72a	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	3.12	28.26	NA
MW-5	05/03/1993	70a	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.07	27.31	1.6
MW-5 (D)	05/04/1993	80a	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	NA	NA	NA
MW-5	06/28/1993	NA	NA	NA	NA	NA	NA	NA	31.38	4.08	27.30	NA
MW-5	07/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.05	27.33	3.5
MW-5	10/19/1993	51	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.20	27.18	3.8
MW-5	01/20/1994	90	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.40	26.98	4.2
MW-5	04/12/1994	67	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.18	27.20	NA
MW-5	07/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.06	27.32	3.2
MW-5	10/06/1994	80	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.01	27.37	2.1
MW-5 (D)	10/06/1994	60	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	NA	NA	NA
MW-5	01/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	3.49	27.89	3.2
MW-5	07/06/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.38	4.06	27.32	NA
MW-5	01/24/1996	70	<0.5	<0.5	0.8	2.9	NA	NA	31.38	2.90	28.48	NA
MW-5	07/12/1996	62	<0.5	<0.5	<0.5	<0.5	b	NA	31.38	4.02	27.36	1.9
MW-5	01/16/1997	66	0.91	0.89	<0.50	1.7	<2.5	NA	31.38	2.59	28.79	2.2
MW-5 (D)	01/16/1997	<50	0.7	0.78	<0.50	1.3	<2.5	NA	31.38	NA	NA	2.2
MW-5	10/24/1997	59	<0.50	<0.50	<0.50	<0.50	17	NA	31.38	4.15	27.23	4.6
MW-5	05/13/1998	72	<0.50	<0.50	<0.50	<0.50	<2.5	NA	31.38	3.64	27.74	2.1
MW-5 (D)	05/13/1998	70	<0.50	<0.50	<0.50	<0.50	<2.5	NA	31.38	NA	NA	2.1
MW-5	10/01/1998	57	<0.50c	<0.50c	<0.50c	0.62c	20	NA	31.38	4.25	27.13	2.2
MW-5	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	16	NA	31.38	4.56	26.82	2.0
MW-5	11/01/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.06	NA	31.38	4.19	27.19	2.2

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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MW-5	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	22.5	NA	31.38	4.34	27.04	2.2
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E-4	07/12/1989	<50	<0.5	<1	<1	<3	NA	NA	34.63	NA	>39.13	NA
E-4	01/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	04/27/1990	120a	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	07/31/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	10/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	01/31/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	04/30/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	07/30/1991	<50	<0.5	0.6	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	01/20/1992	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	34.63	NA	>34.63	NA
E-4	04/14/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	10/02/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	01/20/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	05/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	0.6
E-4	06/28/1993	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	07/21/1993	<50	5.4	0.72	1	4.4	NA	NA	34.63	NA	>34.63	5.4
E-4	10/19/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	5.6
E-4	01/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	NA
E-4	04/12/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	9.4
E-4	07/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	2.0
E-4	10/06/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	1.3
E-4	01/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.63	NA	>34.63	3.7
E-4	05/16/1995	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA
Wic #204-6001-0109

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Abbreviations:

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

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

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

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

NA = Not applicable

Notes:

a = Chromatogram pattern indicated an unidentified hydrocarbon.

b = Due to coelution with early eluters, no result could be determined for MTBE

c = Laboratory reported 1.3 ug/L benzene, 11 ug/L toluene, 0.98 ug/L ethyl benzene, and 6.5 ug/L total xylenes in the equipment blank.

d = Result reported was generated out of hold time.

Well E-4 is a flowing artesian well; potentiometric surface above top-of-casing elevation.



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	MJD0200-01	Water	4/5/00
MW-2	MJD0200-02	Water	4/5/00
MW-3	MJD0200-03	Water	4/5/00
MW-4	MJD0200-04	Water	4/5/00
MW-5	MJD0200-05	Water	4/5/00



Sequoia Analytical

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

April 27, 2000

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

RE: Shell

Dear Nick Sudano

Enclosed are the results of analyses for sample(s) received by the laboratory on April 6, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ted Ferrasas
Project Manager

CA ELAP Certificate Number 1210





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			MJD0200-01			Water		
Purgeable Hydrocarbons	0D17002	4/17/00	4/17/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	3.22	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70-130		104	%	
MW-2			MJD0200-02			Water		
Purgeable Hydrocarbons	0D20001	4/20/00	4/20/00	DHS LUFT	50.0	376	ug/l	H-06
Benzene	"	"	"	DHS LUFT	0.500	68.1	"	H-06
Toluene	"	"	"	DHS LUFT	0.500	3.10	"	H-06
Ethylbenzene	"	"	"	DHS LUFT	0.500	2.88	"	H-06
Xylenes (total)	"	"	"	DHS LUFT	0.500	5.35	"	H-06
Methyl tert-butyl ether	"	"	4/21/00	DHS LUFT	12.5	729	"	H-06,M-03
Surrogate: a,a,a-Trifluorotoluene	"	"	4/20/00	70-130		109	%	H-06
MW-3			MJD0200-03			Water		
Purgeable Hydrocarbons	0D17002	4/17/00	4/17/00	DHS LUFT	1000	3070	ug/l	P-01
Benzene	"	"	"	DHS LUFT	10.0	96.9	"	
Toluene	"	"	"	DHS LUFT	10.0	12.1	"	
Ethylbenzene	"	"	"	DHS LUFT	10.0	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	10.0	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	50.0	1050	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70-130		117	%	
MW-4			MJD0200-04			Water		
Purgeable Hydrocarbons	0D17002	4/17/00	4/17/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	3.64	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70-130		116	%	
MW-5			MJD0200-05			Water		
Purgeable Hydrocarbons	0D17002	4/17/00	4/18/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-5 (continued)				MJD0200-05			Water	
Toluene	0D17002	4/17/00	4/18/00	DHS LUFT	0.500	ND	ug/l	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	22.5	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	"	"	"	70-130		107	%	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1				MJD0200-01			Water	
Bromodichloromethane	0D05018	4/13/00	4/14/00	EPA 8010B	0.500	ND	ug/l	
Bromoform	"	"	"	EPA 8010B	0.500	ND	"	
Bromomethane	"	"	"	EPA 8010B	1.00	ND	"	
Carbon tetrachloride	"	"	"	EPA 8010B	0.500	ND	"	
Chlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
Chloroethane	"	"	"	EPA 8010B	1.00	ND	"	
Chloroform	"	"	"	EPA 8010B	0.500	ND	"	
Chloromethane	"	"	"	EPA 8010B	1.00	ND	"	
Dibromochloromethane	"	"	"	EPA 8010B	0.500	ND	"	
1,3-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,4-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,1-Dichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichloropropane	"	"	"	EPA 8010B	0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"	EPA 8010B	0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"	EPA 8010B	0.500	ND	"	
Methylene chloride	"	"	"	EPA 8010B	5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"	EPA 8010B	0.500	ND	"	
Tetrachloroethene	"	"	"	EPA 8010B	0.500	ND	"	
1,1,1-Trichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1,2-Trichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1,2-Trichlorotrifluoroethane	"	"	"	EPA 8010B	1.00	ND	"	
Trichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
Trichlorofluoromethane	"	"	"	EPA 8010B	0.500	ND	"	
Vinyl chloride	"	"	"	EPA 8010B	1.00	ND	"	
1,2-Dibromoethane	"	"	"	EPA 8010B	1.00	ND	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	70-130		81.9	%	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-2				MJD0200-02			Water	
Bromodichloromethane	0D05018	4/13/00	4/14/00	EPA 8010B	0.500	ND	ug/l	
Bromoform	"	"	"	EPA 8010B	0.500	ND	"	
Bromomethane	"	"	"	EPA 8010B	1.00	ND	"	
Carbon tetrachloride	"	"	"	EPA 8010B	0.500	ND	"	
Chlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
Chloroethane	"	"	"	EPA 8010B	1.00	ND	"	
Chloroform	"	"	"	EPA 8010B	0.500	ND	"	
Chloromethane	"	"	"	EPA 8010B	1.00	ND	"	
Dibromochloromethane	"	"	"	EPA 8010B	0.500	ND	"	
1,3-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,4-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,1-Dichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichloropropane	"	"	"	EPA 8010B	0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"	EPA 8010B	0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"	EPA 8010B	0.500	ND	"	
Methylene chloride	"	"	"	EPA 8010B	5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"	EPA 8010B	0.500	ND	"	
Tetrachloroethene	"	"	"	EPA 8010B	0.500	ND	"	
1,1,1-Trichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1,2-Trichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1,2-Trichlorotrifluoroethane	"	"	"	EPA 8010B	1.00	ND	"	
Trichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
Trichlorofluoromethane	"	"	"	EPA 8010B	0.500	ND	"	
Vinyl chloride	"	"	"	EPA 8010B	1.00	ND	"	
1,2-Dibromoethane	"	"	"	EPA 8010B	1.00	ND	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	70-130		88.2	%	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-3				MJD0200-03			Water	
Bromodichloromethane	0D05018	4/13/00	4/14/00	EPA 8010B	0.500	ND	ug/l	
Bromoform	"	"	"	EPA 8010B	0.500	ND	"	
Bromomethane	"	"	"	EPA 8010B	1.00	ND	"	
Carbon tetrachloride	"	"	"	EPA 8010B	0.500	ND	"	
Chlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
Chloroethane	"	"	"	EPA 8010B	1.00	ND	"	
Chloroform	"	"	"	EPA 8010B	0.500	ND	"	
Chloromethane	"	"	"	EPA 8010B	1.00	ND	"	
Dibromochloromethane	"	"	"	EPA 8010B	0.500	ND	"	
1,3-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,4-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,1-Dichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichloropropane	"	"	"	EPA 8010B	0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"	EPA 8010B	0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"	EPA 8010B	0.500	ND	"	
Methylene chloride	"	"	"	EPA 8010B	5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"	EPA 8010B	0.500	ND	"	
Tetrachloroethene	"	"	"	EPA 8010B	0.500	ND	"	
1,1,1-Trichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1,2-Trichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1,2-Trichlorotrifluoroethane	"	"	"	EPA 8010B	1.00	ND	"	
Trichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
Trichlorofluoromethane	"	"	"	EPA 8010B	0.500	ND	"	
Vinyl chloride	"	"	"	EPA 8010B	1.00	ND	"	
1,2-Dibromoethane	"	"	"	EPA 8010B	1.00	ND	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	70-130		89.2	%	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-4				MJD0200-04			Water	
Bromodichloromethane	0D05018	4/13/00	4/14/00	EPA 8010B	0.500	ND	ug/l	
Bromoform	"	"	"	EPA 8010B	0.500	ND	"	
Bromomethane	"	"	"	EPA 8010B	1.00	ND	"	
Carbon tetrachloride	"	"	"	EPA 8010B	0.500	ND	"	
Chlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
Chloroethane	"	"	"	EPA 8010B	1.00	ND	"	
Chloroform	"	"	"	EPA 8010B	0.500	ND	"	
Chloromethane	"	"	"	EPA 8010B	1.00	ND	"	
Dibromochloromethane	"	"	"	EPA 8010B	0.500	ND	"	
1,3-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,4-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichlorobenzene	"	"	"	EPA 8010B	0.500	ND	"	
1,1-Dichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,2-Dichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1-Dichloroethene	"	"	"	EPA 8010B	0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"	EPA 8010B	0.500	1.14	"	
trans-1,2-Dichloroethene	"	"	"	EPA 8010B	0.500	0.655	"	
1,2-Dichloropropane	"	"	"	EPA 8010B	0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"	EPA 8010B	0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"	EPA 8010B	0.500	ND	"	
Methylene chloride	"	"	"	EPA 8010B	5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"	EPA 8010B	0.500	ND	"	
Tetrachloroethene	"	"	"	EPA 8010B	0.500	2.26	"	
1,1,1-Trichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1,2-Trichloroethane	"	"	"	EPA 8010B	0.500	ND	"	
1,1,2-Trichlorotrifluoroethane	"	"	"	EPA 8010B	1.00	ND	"	
Trichloroethene	"	"	"	EPA 8010B	0.500	0.838	"	
Trichlorofluoromethane	"	"	"	EPA 8010B	0.500	ND	"	
Vinyl chloride	"	"	"	EPA 8010B	1.00	ND	"	
1,2-Dibromoethane	"	"	"	EPA 8010B	1.00	ND	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	70-130		89.8	%	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-5				MJD0200-05			Water	
4-Bromofluorobenzene (ELCD)	0D05018	4/13/00	4/17/00	EPA 8010B		8.89	ug/l	
Bromodichloromethane	"	"	"	EPA 8010B	5.00	ND	"	
Bromoform	"	"	"	EPA 8010B	5.00	ND	"	
Bromomethane	"	"	"	EPA 8010B	10.0	ND	"	
Carbon tetrachloride	"	"	"	EPA 8010B	5.00	ND	"	
Chlorobenzene	"	"	"	EPA 8010B	5.00	ND	"	
Chloroethane	"	"	"	EPA 8010B	10.0	ND	"	
Chloroform	"	"	"	EPA 8010B	5.00	ND	"	
Chloromethane	"	"	"	EPA 8010B	10.0	ND	"	
Dibromochloromethane	"	"	"	EPA 8010B	5.00	ND	"	
1,3-Dichlorobenzene	"	"	"	EPA 8010B	5.00	ND	"	
1,4-Dichlorobenzene	"	"	"	EPA 8010B	5.00	ND	"	
1,2-Dichlorobenzene	"	"	"	EPA 8010B	5.00	ND	"	
1,1-Dichloroethane	"	"	"	EPA 8010B	5.00	ND	"	
1,2-Dichloroethane	"	"	"	EPA 8010B	5.00	ND	"	
1,1-Dichloroethene	"	"	"	EPA 8010B	5.00	ND	"	
cis-1,2-Dichloroethene	"	"	"	EPA 8010B	5.00	8.26	"	
trans-1,2-Dichloroethene	"	"	"	EPA 8010B	5.00	ND	"	
1,2-Dichloropropane	"	"	"	EPA 8010B	5.00	ND	"	
cis-1,3-Dichloropropene	"	"	"	EPA 8010B	5.00	ND	"	
trans-1,3-Dichloropropene	"	"	"	EPA 8010B	5.00	ND	"	
Methylene chloride	"	"	"	EPA 8010B	50.0	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"	EPA 8010B	5.00	ND	"	
Tetrachloroethene	"	"	"	EPA 8010B	5.00	130	"	
1,1,1-Trichloroethane	"	"	"	EPA 8010B	5.00	ND	"	
1,1,2-Trichloroethane	"	"	"	EPA 8010B	5.00	ND	"	
1,1,2-Trichlorotrifluoroethane	"	"	"	EPA 8010B	10.0	ND	"	
Trichloroethene	"	"	"	EPA 8010B	5.00	15.7	"	
Trichlorofluoromethane	"	"	"	EPA 8010B	5.00	ND	"	
Vinyl chloride	"	"	"	EPA 8010B	10.0	ND	"	
1,2-Dibromoethane	"	"	"	EPA 8010B	10.0	ND	"	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**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	Reporting Limit Units	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0D17002	Date Prepared: 4/17/00			Extraction Method: EPA 5030B [P/T]						
Blank	0D17002-BLK1									
Purgeable Hydrocarbons	4/17/00			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				

LCS	0D17002-BS1									
Benzene	4/17/00	10.0		10.3	ug/l	70-130	103			
Toluene	"	10.0		9.99	"	70-130	99.9			
Ethylbenzene	"	10.0		9.89	"	70-130	98.9			
Xylenes (total)	"	30.0		29.9	"	70-130	99.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.5	"	70-130	105			

Matrix Spike	0D17002-MS1	MJD0148-01								
Benzene	4/17/00	10.0	ND	9.63	ug/l	60-140	96.3			
Toluene	"	10.0	ND	9.49	"	60-140	94.9			
Ethylbenzene	"	10.0	ND	9.24	"	60-140	92.4			
Xylenes (total)	"	30.0	ND	28.1	"	60-140	93.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.2	"	70-130	102			

Matrix Spike Dup	0D17002-MSD1	MJD0148-01								
Benzene	4/17/00	10.0	ND	9.62	ug/l	60-140	96.2	25	0.104	
Toluene	"	10.0	ND	9.29	"	60-140	92.9	25	2.13	
Ethylbenzene	"	10.0	ND	9.05	"	60-140	90.5	25	2.08	
Xylenes (total)	"	30.0	ND	27.4	"	60-140	91.3	25	2.52	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.53	"	70-130	95.3			

Batch: 0D20001	Date Prepared: 4/20/00			Extraction Method: EPA 5030B [P/T]						
Blank	0D20001-BLK1									
Purgeable Hydrocarbons	4/20/00			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		9.72	"	70-130	97.2			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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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*
LCS		0D20001-BS1								
Benzene	4/20/00	10.0		10.3	ug/l	70-130	103			
Toluene	"	10.0		10.1	"	70-130	101			
Ethylbenzene	"	10.0		10.1	"	70-130	101			
Xylenes (total)	"	30.0		30.7	"	70-130	102			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.4	"	70-130	104			
Matrix Spike		0D20001-MS1 MJD0224-08								
Benzene	4/20/00	10.0	ND	10.7	ug/l	60-140	107			
Toluene	"	10.0	ND	10.5	"	60-140	105			
Ethylbenzene	"	10.0	ND	10.4	"	60-140	104			
Xylenes (total)	"	30.0	ND	31.4	"	60-140	105			
Methyl tert-butyl ether	4/27/00		ND	ND	"	60-140				
Surrogate: a,a,a-Trifluorotoluene	4/20/00	10.0		10.5	"	70-130	105			
Matrix Spike Dup		0D20001-MSD1 MJD0224-08								
Benzene	4/20/00	10.0	ND	8.11	ug/l	60-140	81.1	25	27.5	Q-01
Toluene	"	10.0	ND	7.89	"	60-140	78.9	25	28.4	Q-01
Ethylbenzene	"	10.0	ND	7.78	"	60-140	77.8	25	28.8	Q-01
Xylenes (total)	"	30.0	ND	24.0	"	60-140	80.0	25	26.7	Q-01
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.27	"	70-130	72.7			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: OD05018 **Date Prepared: 4/5/00** **Extraction Method: EPA 5030B (P/T)**

Blank **OD05018-BLK1**

Bromodichloromethane	4/12/00			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	1.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	1.00				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichlorotrifluoroethane	"			ND	"	1.00				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
1,2-Dibromoethane	"			ND	"	1.00				
Surrogate: 4-Bromofluorobenzene	"	10.0		8.92	"	70-130	89.2			

Blank **OD05018-BLK2**

Bromodichloromethane	4/13/00			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	0.500				
Carbon tetrachloride	"			ND	"	0.500				



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	0D05018-BLK2									
Chlorobenzene	4/13/00			ND	ug/l	0.500				
Chloroethane	"			ND	"	0.500				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	0.500				
Dibromochloromethane	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,1,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichlorotrifluoroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
1,2-Dibromoethane	"			ND	"	0.500				
Surrogate: 4-Bromofluorobenzene	"	10.0		9.25	"	70-130	92.5			
Blank	0D05018-BLK3									
Bromodichloromethane	4/10/00			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	1.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	1.00				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	0.500				



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Blank (continued)

0D05018-BLK3

1,3-Dichlorobenzene	4/10/00			ND	ug/l	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichlorotrifluoroethane	"			ND	"	1.00				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
1,2-Dibromoethane	"			ND	"	1.00				
Surrogate: 4-Bromofluorobenzene	"	10.0		8.21	"	70-130		82.1		

Blank

0D05018-BLK4

Bromodichloromethane	4/14/00			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	1.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	1.00				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0D05018-BLK4										
1,1-Dichloroethene	4/14/00			ND	ug/l	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichlorotrifluoroethane	"			ND	"	1.00				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
1,2-Dibromoethane	"			ND	"	1.00				
<i>Surrogate: 4-Bromofluorobenzene</i>	"	10.0		8.26	"	70-130	82.6			
Blank										
0D05018-BLK5										
Bromodichloromethane	4/17/00			ND	ug/l	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	1.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	1.00				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)										
0D05018-BLK5										
trans-1,3-Dichloropropene	4/17/00			ND	ug/l	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichlorotrifluoroethane	"			ND	"	1.00				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	1.00				
1,2-Dibromoethane	"			ND	"	1.00				
Surrogate: 4-Bromofluorobenzene	"	10.0		9.02	"	70-130	90.2			
LCS										
0D05018-BS1										
Chlorobenzene	4/12/00	25.0		21.4	ug/l	70-130	85.6			
1,1-Dichloroethene	"	25.0		19.2	"	65-135	76.8			
Trichloroethene	"	25.0		24.2	"	70-130	96.8			
Surrogate: 4-Bromofluorobenzene	"	10.0		9.46	"	70-130	94.6			
LCS										
0D05018-BS2										
Chlorobenzene	4/13/00	25.0		20.2	ug/l	70-130	80.8			
1,1-Dichloroethene	"	25.0		17.2	"	65-135	68.8			
Trichloroethene	"	25.0		23.5	"	70-130	94.0			
Surrogate: 4-Bromofluorobenzene	"	10.0		9.61	"	70-130	96.1			
LCS										
0D05018-BS3										
Chlorobenzene	4/10/00	25.0		17.6	ug/l	70-130	70.4			
1,1-Dichloroethene	"	25.0		19.2	"	65-135	76.8			
Trichloroethene	"	25.0		21.8	"	70-130	87.2			
Surrogate: 4-Bromofluorobenzene	"	10.0		8.54	"	70-130	85.4			
LCS										
0D05018-BS4										
Chlorobenzene	4/14/00	25.0		17.8	ug/l	70-130	71.2			
1,1-Dichloroethene	"	25.0		22.4	"	65-135	89.6			
Trichloroethene	"	25.0		23.1	"	70-130	92.4			
Surrogate: 4-Bromofluorobenzene	"	10.0		9.05	"	70-130	90.5			



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B/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*
LCS		0D05018-BSS								
Chlorobenzene	4/17/00	25.0		18.9	ug/l	70-130	75.6			
1,1-Dichloroethene	"	25.0		22.5	"	65-135	90.0			
Trichloroethene	"	25.0		23.5	"	70-130	94.0			
Surrogate: 4-Bromofluorobenzene	"	10.0		9.03	"	70-130	90.3			
Matrix Spike		0D05018-MS1 MJD0063-05								
Chlorobenzene	4/12/00	25.0	ND	20.5	ug/l	60-140	82.0			
1,1-Dichloroethene	"	25.0	ND	18.0	"	60-140	72.0			
Trichloroethene	"	25.0	ND	23.7	"	60-140	94.8			
Surrogate: 4-Bromofluorobenzene	"	10.0		8.99	"	70-130	89.9			
Matrix Spike		0D05018-MS2 MJD0200-01								
Chlorobenzene	4/14/00	25.0	ND	18.0	ug/l	60-140	72.0			
1,1-Dichloroethene	"	25.0	ND	21.6	"	60-140	86.4			
Trichloroethene	"	25.0	ND	22.8	"	60-140	91.2			
Surrogate: 4-Bromofluorobenzene	"	10.0		9.36	"	70-130	93.6			
Matrix Spike		0D05018-MS3 MJD0159-01								
Chlorobenzene	4/14/19	25.0	ND	17.9	ug/l	60-140	71.6			
1,1-Dichloroethene	"	25.0	ND	21.5	"	60-140	86.0			
Trichloroethene	"	25.0	ND	21.8	"	60-140	87.2			
Surrogate: 4-Bromofluorobenzene	"	10.0		9.41	"	70-130	94.1			
Matrix Spike Dup		0D05018-MSD1 MJD0063-05								
Chlorobenzene	4/12/00	25.0	ND	19.7	ug/l	60-140	78.8	25	3.98	
1,1-Dichloroethene	"	25.0	ND	17.7	"	60-140	70.8	25	1.68	
Trichloroethene	"	25.0	ND	23.0	"	60-140	92.0	25	3.00	
Surrogate: 4-Bromofluorobenzene	"	10.0		8.99	"	70-130	89.9			
Matrix Spike Dup		0D05018-MSD2 MJD0200-01								
Chlorobenzene	4/14/00	25.0	ND	18.5	ug/l	60-140	74.0	25	2.74	
1,1-Dichloroethene	"	25.0	ND	22.9	"	60-140	91.6	25	5.84	
Trichloroethene	"	25.0	ND	23.6	"	60-140	94.4	25	3.45	
Surrogate: 4-Bromofluorobenzene	"	10.0		8.67	"	70-130	86.7			
Matrix Spike Dup		0D05018-MSD3 MJD0159-01								
Chlorobenzene	4/14/00	25.0	ND	17.3	ug/l	60-140	69.2	25	3.41	
1,1-Dichloroethene	"	25.0	ND	21.2	"	60-140	84.8	25	1.41	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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**Volatile Organic Compounds by EPA Method 8010B/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*
Matrix Spike Dup (continued)										
	0D05018-MSD3	MJD0159-01								
Trichloroethene	4/14/00	25.0	ND	22.1	ug/l	60-140	88.4	25	1.37	
Surrogate: 4-Bromofluorobenzene	"	10.0		9.00	"	70-130	90.0			



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 29 Wildwood Ave Project Manager: Nick Sudano	Sampled: 4/5/00 Received: 4/6/00 Reported: 4/27/00 15:42
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Notes and Definitions

#	Note
H-06	The result reported was generated out of hold time. The sample was originally run within hold time, but needed to be re-analyzed.
M-03	Sample was analyzed at a second dilution per clients request.
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

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 _____

CHAIN OF

CLIENT Equiva - Karen Petryna

SITE 29 Wildwood Avenue
Piedmont, CA

C = COMPOSITE ALL CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS
			S= SOIL W=H ₂ O	TOTAL

SAMPLE I.D.	DATE	TIME	S= SOIL W=H ₂ O	TOTAL	C = COMPOSITE ALL CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	EPA 8010	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
												MW-1	4/5/00	11:04	W
MW-2		12:08	W	6		X	X				X				
MW-3		11:36	W	6		X	X				X				
MW-4		10:04	W	6		X	X				X				
MW-5	✓	10:34	W	6		X	X				X				6 1111

SPECIAL INSTRUCTIONS

Send invoice to Equiva **MJD200**

Incident # 98995822

Send report to Blaine Tech Services, Inc.

ATTN: ~~Ann Pember~~ **NICK SUO AND**

SAMPLING COMPLETED 4/5/00 12:30 SAMPLING PERFORMED BY Ernest Havel **REDA** RESULTS NEEDED NO LATER THAN _____

RELEASED BY [Signature] DATE 4/6/00 TIME 9:31 RECEIVED BY [Signature] DATE 4-6 TIME 9:31

RELEASED BY [Signature] DATE _____ TIME _____ RECEIVED BY [Signature] DATE 4/6/00 TIME 11:11

RELEASED BY _____ DATE _____ TIME _____ RECEIVED BY _____ DATE _____ TIME _____

SHIPPED VIA _____ DATE SENT _____ TIME SENT _____ COOLER # _____

EQUIVA WELL MONITORING DATA SHEET

Project #: 000405 N-1	Job # 201-0001-0109
Sampler: GT	Date: 4/5/00
Well I.D.: MW-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 13.12	Depth to Water: 3.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump

Other: _____

Sampling Method: Bailer Extraction Port

Other: _____

4.1	x	3	=	18.3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
10:59	68.9	6.9	799	7200	7	ORC'S
11:01	68.8	6.9	804	7200	14	Water very dark
11:03	69.1	6.9	802	7200	19	almost black

Did well dewater? Yes No Gallons actually evacuated: 19

Sampling Time: 11:04 Sampling Date: 4/5/00

Sample I.D.: MW-1 Laboratory: Sequoia BC Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SO10

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	4.2	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

Project #: 000405 W-1	WIC #: 204-6001-0109
Sampler: BT	Date: 4/5/00
Well I.D.: MW-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 11.98	Depth to Water: 3.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Purge Method: Bailer Sampling Method: Bailer
Middleburg Extraction Port
Electric Submersible Other: _____
Extraction Pump
 Other: _____

5.6	x	3	=	16.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
10:30	66.3	7.2	761	>200	6	ORC
10:32	66.4	7.2	754	>200	12	Dark / cloudy
10:34	66.3	7.2	759	>200	18	

Did well dewater? Yes No Gallons actually evacuated: 18

Sampling Time: 11:36 Sampling Date: 4/5/00

Sample I.D.: MW-2 Laboratory: Sequoia Crosby

Analyzed for: TPH-G BTEX MTBE TPH-D Other: 9010

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

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

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: 3.6 mg/L

SHELL WELL MONITORING DATA SHEET

Project #: <u>000405N-1</u>	WIC #: <u>204-6001-0104</u>
Sampler: <u>GT</u>	Date: <u>4/5/00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>8.98</u>	Depth to Water: <u>3.50</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Purge Method: Bailer Sampling Method: Bailer
Middleburg Extraction-Port
Electric Submersible Other: _____
Extraction Pump

Other: _____

<u>3.4</u>	x	<u>3</u>	=	<u>10.8</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>12:00</u>	<u>68.7</u>	<u>6.9</u>	<u>797</u>	<u>7200</u>	<u>4</u>	<u>OK</u>
<u>12:02</u>	<u>66.2</u>	<u>7.0</u>	<u>953</u>	<u>7200</u>	<u>8</u>	
<u>12:04</u>	<u>66.7</u>	<u>7.0</u>	<u>958</u>	<u>7200</u>	<u>12</u>	

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Time: 12:08 Sampling Date: 4/5/00

Sample I.D.: MW-3 Laboratory: Sequoia Crosby

Analyzed for: TPH-G BTEX MTBE TPH-D Other: EC10

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

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

D.O. (if req'd): Pre-purge: _____ Post-purge: 2.7

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>000405 N-1</u>	Job # <u>204-6001-0109</u>
Sampler: <u>GT</u>	Date: <u>4/5/00</u>
Well I.D.: <u>MU-4</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>12.80</u>	Depth to Water: <u>3.63</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC TX</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Purge Method: Bailer Sampling Method: Bailer
Middleburg Extraction Port
Electric Submersible Other: _____
Extraction Pump

Other: _____

<u>6.0</u>	x	<u>3</u>	=	<u>18.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
9:57	64.5	6.4	415	114	6	
9:59	64.2	6.6	411	87	12	Skimmer
10:01	64.0	6.7	416	62	18	no FP

Did well dewater? Yes No Gallons actually evacuated: 18

Sampling Time: 10:01 Sampling Date: 4/5/00

Sample I.D.: MU-4 Laboratory: Sequoia BC Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>21</u>	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 10004105 N-1	Job # 204-6001-0109
Sampler: OT	Date: 4/5/00
Well I.D.: MW-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 16.00	Depth to Water: 4.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC TOL Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Purge Method: Bailer Sampling Method: Bailer
Middleburg Extraction Port
Electric Submersible Other: _____
 Extraction Pump

Other: _____

<u>7.8</u>	x	<u>3</u>	=	<u>23.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
10:28	66.8	6.9	780	62.4	9	
10:30	66.8	6.9	796	38.7	16	
10:32	67.2	6.9	792	16.1	24	Skimmer

Did well dewater? Yes No Gallons actually evacuated: 24

Sampling Time: 16:36 Sampling Date: 4/5/00

Sample I.D.: MW-5 Laboratory: Sequoia BC Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: EO10

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2 2	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV