CAMBRIA

ENVIRONMENTAL PROTECTION

00 DEC 26 AM 11:10

December 19, 2000

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

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

STID 295

Dear Mr. Seto:

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

FOURTH QUARTER 2000 ACTIVITIES

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

ANTICIPATED FIRST QUARTER 2001 ACTIVITIES

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

Oakland, CA
San Ramon, CA
Sonoma, CA

Cambria Environmental Technology, Inc.

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

Vapor Extraction Pilot Test: On October 16, 2000, Cambria performed a pilot vapor extraction test. The test was conducted to evaluate the effectiveness of vapor extraction to remediate elevated hydrocarbon concentrations in the vicinity of those wells. Test results will be presented in a forthcoming report.

Geoprobe Borings: On December 11, 2000, Cambria advanced five Geoprobe borings to further define the extent of residual hydrocarbon concentrations at the site. A site conceptual model and details of this investigation will be included in a forthcoming report.

CLOSING

We appreciate the opportunity to work with you on this project. Please call Darren Croteau at (510) 420-3331 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Darren Croteau
Project Geologist

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

Figure: 1 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Tom Saberi, 1045 Airport Boulevard, Suite 12, South San Francisco, CA 94080
Matthew Dudley, Sedgwick, Detert, Moran, & Arnold, 1 Embarcadero Center, 16th Floor, San Francisco, California 94111-3628

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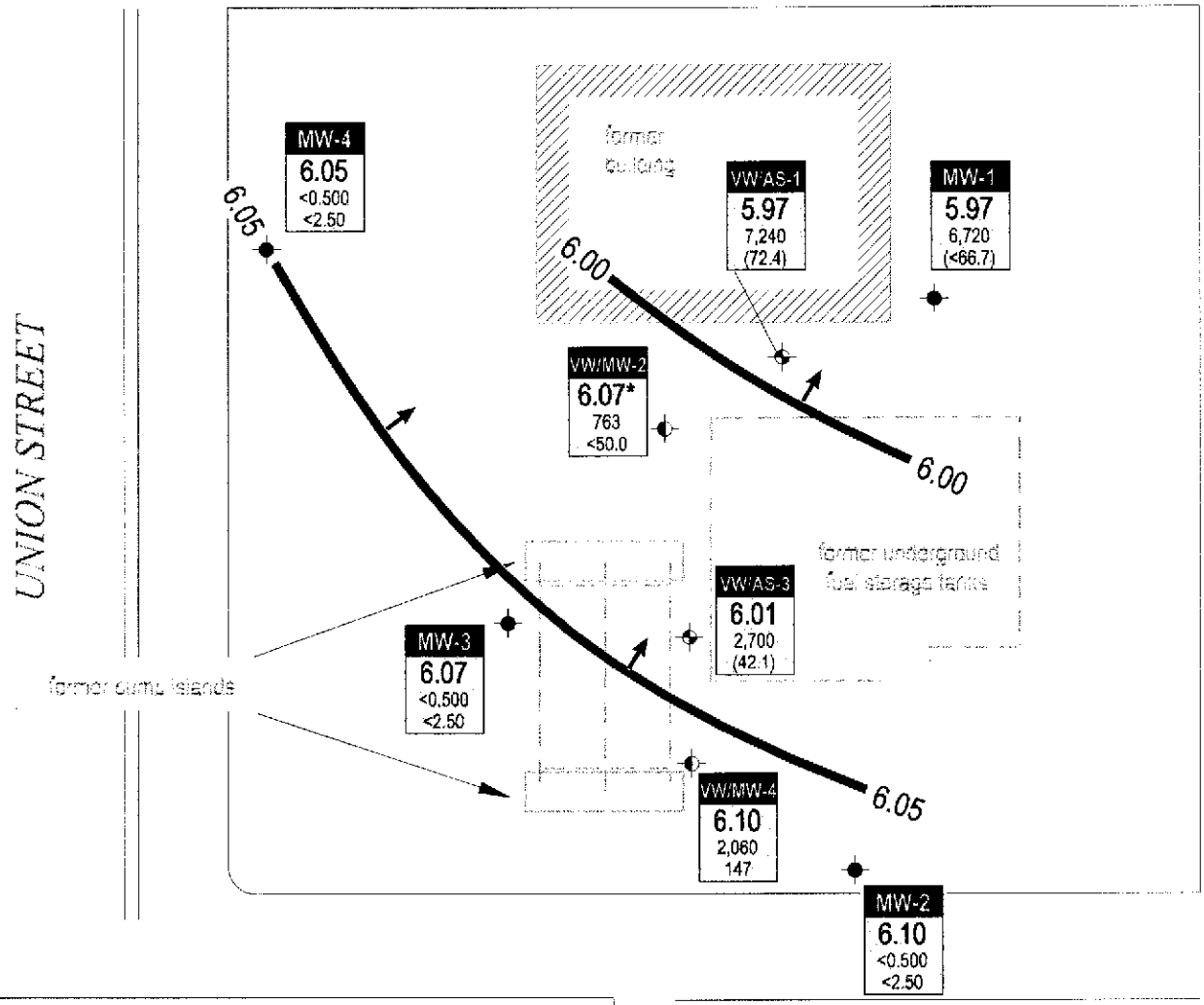

EXPLANATION

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

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020; MTBE results in parentheses are analyzed by EPA Method 8260

N

0 10 20

Scale (ft)

FIGURE
1

G:\OAKLAND\1230-14TH\FIGURES\4QM00-MP.DWG

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

CAMBRIA

Groundwater Elevation Contour Map

October 17, 2000

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

BLAINE
TECH SERVICES, INC.

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

November 30, 2000

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

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

Monitoring performed on October 17, 2000

Groundwater Monitoring Report **001017-Z-1**

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

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent Fourth party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

Deidre Kerwin
Operations Manager

DK/jt

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

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

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	03/25/1996	37,000	7,400	1,500	720	3,300	<500	NA	18.58	9.53	9.05	NA
MW-1	06/21/1996	35,000	9,900	460	340	3,500	890	NA	18.58	10.72	7.86	NA
MW-1	09/26/1996	19,000	8,200	510	780	790	<250	NA	18.58	12.88	5.70	NA
MW-1	12/19/1996	27,000	120	1,200	1,400	2,800	<100	NA	18.58	12.59	5.99	NA
MW-1	12/19/1996	32,000	12,000	1,300	1,600	3,100	830	NA	18.58	12.59	5.99	NA
MW-1	03/25/1997	39,000	13,000	1,600	840	3,100	730	NA	18.58	11.10	7.48	1.2
MW-1	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.58	12.42	6.16	NA
MW-1	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.58	13.31	5.27	0.8
MW-1	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.58	12.65	5.93	0.3
MW-1	02/19/1998	16,000	5,500	450	500	800	<500	NA	18.58	6.46	12.12	2.4
MW-1	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.58	6.62	11.96	1.2
MW-1	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.58	11.83	6.75	2.8
MW-1	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.58	12.01	6.57	2.6
MW-1	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.58	9.15	9.43	2.2
MW-1	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.58	11.22	7.36	3.8
MW-1	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.58	11.89	6.69	3.0
MW-1	12/27/1999	34,800	8,660	953	956	2,770	<1,000	NA	18.58	13.55	5.03	2.4/2.1
MW-1	01/21/2000	40,600	14,700	1,850	1,210	3,670	<500	NA	18.58	13.42	5.16	2.8
MW-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.58	8.11	10.47	0.4
MW-1	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.58	9.78	8.80	3.0/3.4
MW-1	04/18/2000	18,300	8,060	543	528	872	<50.0	NA	18.58	NA	NA	NA
MW-1	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.58	13.11	5.47	5.2
MW-1	**10/17/2000**	**15,800**	**6,720**	**435**	**587**	**887**	**351**	**<66.7**	**18.58**	**12.61**	**5.97**	**1.2/0.8**
MW-2	03/25/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	8.19	9.71	NA
MW-2	06/21/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	9.94	7.96	NA
MW-2	09/26/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.15	5.75	NA
MW-2	12/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	17.90	11.70	6.20	NA

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	03/25/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	9.25	8.65	1.8
MW-2	06/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	11.36	6.54	2.4
MW-2	09/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.56	5.34	1.1
MW-2	09/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.56	5.34	1.1
MW-2	12/05/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	11.15	6.75	0.7
MW-2	02/19/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	5.61	12.29	2.7
MW-2	06/08/1998	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	17.90	5.58	12.32	3.2
MW-2	08/25/1998	NA	NA	NA	NA	NA	NA	NA	17.90	10.67	7.23	1.7
MW-2	12/28/1998	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	17.90	11.65	6.25	0.4/0.8
MW-2	03/26/1999	NA	NA	NA	NA	NA	NA	NA	17.90	8.60	9.30	0.7
MW-2	06/30/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	17.90	10.30	7.60	2.3
MW-2	09/30/1999	NA	NA	NA	NA	NA	NA	NA	17.90	10.77	7.13	1.9
MW-2	12/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	17.90	12.21	5.69	0.7/0.7
MW-2	03/07/2000	NA	NA	NA	NA	NA	NA	NA	17.90	7.13	10.77	1.1
MW-2	04/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	17.90	8.35	9.55	1.8/1.8
MW-2	09/21/2000	NA	NA	NA	NA	NA	NA	NA	17.90	11.76	6.14	2.1
MW-2	**10/17/2000**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**17.90**	**11.80**	**6.10**	**0.9/0.6**
MW-3	03/25/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	8.47	9.71	NA
MW-3	06/21/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	10.40	7.78	NA
MW-3	09/26/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	12.45	5.73	NA
MW-3	12/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	18.18	12.14	6.02	NA
MW-3	03/25/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	9.54	8.64	2.2
MW-3	06/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	11.66	6.52	3.6
MW-3	09/26/1997	<50	<0.50	<050	<0.50	<0.50	<2.5	NA	18.18	12.85	5.33	1.1
MW-3	12/05/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	11.44	6.74	0.6
MW-3	02/19/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	6.78	11.40	3.6
MW-3	06/08/1998	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.18	6.82	11.36	3.8

WELL CONCENTRATIONS
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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	06/08/1998	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.18	6.82	11.36	3.8
MW-3	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.18	11.09	7.09	1.2
MW-3	12/28/1998	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	18.18	11.84	6.34	0.9/0.6
MW-3	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.18	8.57	9.61	0.8
MW-3	06/30/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.18	10.61	7.57	4.8
MW-3	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.18	11.53	6.65	1.4
MW-3	12/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.18	12.35	5.83	1.4/2.5
MW-3	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.17	7.36	10.81	5.8
MW-3	04/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	19.3	NA	18.17	8.39	9.78	6.5/5.1
MW-3	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.17	12.01	6.16	3.0
MW-3	**10/17/2000**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**18.17**	**12.10**	**6.07**	**2.0/1.0**
MW-4	03/25/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	9.20	8.81	NA
MW-4	06/21/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	10.25	7.76	NA
MW-4	09/26/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	12.29	5.72	NA
MW-4	12/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	18.01	12.47	5.54	NA
MW-4	03/25/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	9.44	8.57	1.8
MW-4	06/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.57	6.44	6.2
MW-4 (D)	06/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.57	6.44	6.2
MW-4	09/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	12.75	5.26	2.1
MW-4	12/05/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.37	6.64	1.0
MW-4 (D)	12/05/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.37	6.64	1.0
MW-4	02/19/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	5.59	12.42	6.5
MW-4	06/08/1998	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.01	5.65	12.36	2.6
MW-4	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.01	10.98	7.03	2.4
MW-4	12/28/1998	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	18.01	11.83	6.18	1.3/1.2
MW-4	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.01	8.40	9.61	1.9
MW-4	06/30/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.01	10.53	7.48	7.6

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.01	11.03	6.98	2.6
MW-4	12/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.01	12.53	5.48	1.9/0.8
MW-4	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.01	7.00	11.01	6.5
MW-4	04/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	18.01	8.57	9.44	5.1/5.1
MW-4	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.01	12.05	5.96	3.0
MW-4	**10/17/2000**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**18.01**	**11.96**	**6.05**	**5.5/1.2**
VW/MW-2	03/25/1996	13,000	900	920	180	1,500	<250	NA	18.30	9.04	9.26	NA
VW/MW-2	06/21/1996	27,000	4,100	1,100	1,400	3,200	700	NA	18.30	10.48	7.82	NA
VW/MW-2	09/26/1996	27,000	5,300	1,900	980	2,200	<500	NA	18.30	12.52	5.78	NA
VW/MW-2 (D)	09/26/1996	29,000	5,800	2,200	1,100	2,500	<250	NA	18.30	12.52	5.78	NA
VW/MW-2	12/19/1996	50,000	6,200	5,100	1,700	5,600	590	NA	18.30	12.42	5.88	NA
VW/MW-2	03/25/1997	210	5.6	<0.50	0.52	<0.50	14	NA	18.30	9.83	8.47	2.0
VW/MW-2 (D)	03/25/1997	250	1.7	0.58	0.51	<0.50	4.7	NA	18.30	9.83	8.47	2.0
VW/MW-2	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.30	12.43	5.87	NA
VW/MW-2	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.30	12.98	5.32	0.9
VW/MW-2	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.30	12.20	6.10	0.4
VW/MW-2	02/19/1998	<50	1.5	<0.50	<0.50	0.71	<2.5	NA	18.30	5.83	12.47	3.6
VW/MW-2	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.30	5.80	12.50	1.0
VW/MW-2	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.30	11.72	6.58	4.8
VW/MW-2	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.30	11.69	6.61	2.7
VW/MW-2	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.30	8.75	9.55	2.8
VW/MW-2	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.30	10.72	7.58	4.7
VW/MW-2	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.30	12.24	6.06	4.9
VW/MW-2	12/27/1999	13,500	1,330	1,310	490	1,400	<250	NA	18.30	13.92	4.38	2.1/1.9
VW/MW-2	01/21/2000	12,100	2,200	1,080	429	1,120	<250	NA	18.30	13.26	5.04	2.8
VW/MW-2	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.28	7.87	10.41	3.7
VW/MW-2	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.28	9.65	8.63	3.7/4.1

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/MW-2	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	18.28	NA	NA	NA
VW/MW-2	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.28	12.75	5.53	6.2
VW/MW-2	**10/17/2000**	**4,070**	**763**	**589**	**214**	**501**	**<50.0**	**NA**	**18.28**	**12.21**	**6.07**	**0.8/0.7**
VW/MW-4	03/25/1996	83,000	6,500	7,000	2,000	11,000	<250	NA	18.14	8.45	9.69	NA
VW/MW-4 (D)	03/25/1996	84,000	6,400	7,000	2,100	12,000	<250	NA	18.14	8.45	9.69	NA
VW/MW-4	06/21/1996	110,000	14,000	15,000	3,700	17,000	1,700	NA	18.14	10.38	7.76	NA
VW/MW-4 (D)	06/21/1996	100,000	12,000	12,000	2,900	13,000	<1,000	NA	18.14	10.38	7.76	NA
VW/MW-4	09/26/1996	52,000	13,000	2,700	2,100	3,200	<500	NA	18.14	12.43	5.71	NA
VW/MW-4	12/19/1996	75,000	15,000	6,600	3,000	7,600	<1,250	NA	18.14	11.87	6.27	NA
VW/MW-4	03/25/1997	56,000	4,700	1,500	2,500	6,300	580	NA	18.14	9.60	8.54	2.4
VW/MW-4	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.14	12.36	5.78	NA
VW/MW-4	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.14	12.82	5.32	0.4
VW/MW-4	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.14	12.15	5.99	0.3
VW/MW-4	02/19/1998	4,100	320	40	44	520	<50	NA	18.14	5.85	12.29	1.8
VW/MW-4 (D)	02/19/98	4,300	340	44	47	540	<50	NA	18.14	5.85	12.29	1.8
VW/MW-4	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.14	5.87	12.27	1.8
VW/MW-4	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.14	10.96	7.18	2.5
VW/MW-4	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.14	11.28	6.86	0.9
VW/MW-4	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.14	8.45	9.69	1.9
VW/MW-4	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.14	9.70	8.44	3.6
VW/MW-4	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.14	11.78	6.36	2.6
VW/MW-4	12/27/1999	33,900	3,740	2,000	1,130	5,090	587	NA	18.14	12.63	5.51	0.4/0.2
VW/MW-4	01/21/200	13,900	1,560	568	227	1,990	<500	21.0a	18.14	13.07	5.07	1.0
VW/MW-4	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.13	7.82	10.31	0.9
VW/MW-4	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.13	9.18	8.95	1.4/1.9
VW/MW-4	04/18/2000	757	103	8.59	30.8	84.2	<25.0	NA	18.13	NA	NA	NA
VW/MW-4	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.13	12.18	5.95	5.0

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/MW-4	**10/17/2000**	**8,360**	**2,060**	**391**	**468**	**1,170**	**147**	**NA**	**18.13**	**12.03**	**6.10**	**0.7/0.8**
VW/AS-1	03/25/1996	NA	NA	NA	NA	NA	NA	NA	18.60	8.98	9.62	NA
VW/AS-1	06/21/1996	NA	NA	NA	NA	NA	NA	NA	18.60	10.95	7.65	NA
VW/AS-1	09/26/1996	NA	NA	NA	NA	NA	NA	NA	18.60	12.98	5.62	NA
VW/AS-1	12/19/1996	NA	NA	NA	NA	NA	NA	NA	18.60	12.67	5.93	NA
VW/AS-1	03/25/1997	NA	NA	NA	NA	NA	NA	NA	18.60	10.12	8.48	NA
VW/AS-1	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.60	12.34	6.26	NA
VW/AS-1	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.60	13.40	5.20	NA
VW/AS-1	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.60	11.96	6.64	5.2
VW/AS-1	02/19/1998	NA	NA	NA	NA	NA	NA	NA	18.60	6.22	12.38	1.3
VW/AS-1	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.60	6.20	12.40	1.0
VW/AS-1	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.60	11.59	7.01	1.6
VW/AS-1	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.60	11.74	6.86	1.3
VW/AS-1	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.60	9.20	9.40	1.3
VW/AS-1	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.60	11.08	7.52	2.1
VW/AS-1	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.60	11.94	6.66	1.9
VW/AS-1	12/27/1999	8,940	2,000	95.7	1,200	570	606	NA	18.60	11.01	7.59	1.6/1.8
VW/AS-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.59	7.35	11.24	NA
VW/AS-1	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.59	9.08	9.51	1.9/2.0
VW/AS-1	04/18/2000	20,800	6,550	1,220	2,270	1,720	<250	NA	18.59	NA	NA	NA
VW/AS-1	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.59	11.98	6.61	2.1
VW/AS-1	**10/17/2000**	**38,400**	**7,240**	**5,980**	**1,960**	**5,730**	**534**	**72.4**	**18.59**	**12.62**	**5.97**	**2.5/1.0**
VW/AS-3	03/25/1996	NA	NA	NA	NA	NA	NA	NA	18.17	8.50	9.67	NA
VW/AS-3	06/21/1996	NA	NA	NA	NA	NA	NA	NA	18.17	10.42	7.75	NA
VW/AS-3	09/26/1996	NA	NA	NA	NA	NA	NA	NA	18.17	12.49	5.68	NA
VW/AS-3	12/19/1996	NA	NA	NA	NA	NA	NA	NA	18.17	12.28	5.89	NA

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/AS-3	03/25/1997	NA	NA	NA	NA	NA	NA	NA	18.17	9.61	8.56	NA
VW/AS-3	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.17	11.80	6.37	NA
VW/AS-3	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.17	12.89	5.28	NA
VW/AS-3	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.17	11.38	6.79	1.8
VW/AS-3	02/19/1998	NA	NA	NA	NA	NA	NA	NA	18.17	6.24	11.93	1.3
VW/AS-3	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.17	6.25	11.92	1.2
VW/AS-3	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.17	11.43	6.74	1.3
VW/AS-3	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.17	11.63	6.54	1.7
VW/AS-3	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.17	8.92	9.25	1.5
VW/AS-3	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.17	10.71	7.46	2.5
VW/AS-3	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.17	11.78	6.39	1.5
VW/AS-3	12/27/1999	488	47.9	2.60	16.9	8.50	35.4	NA	18.17	12.57	5.60	1.5/2.1
VW/AS-3	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.14	4.82	13.32	NA
VW/AS-3	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.14	8.69	9.45	2.0/2.4
VW/AS-3	04/18/2000	3,110	871	<5.00	141	56.8	78.2	NA	18.14	NA	NA	NA
VW/AS-3	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.14	11.65	6.49	2.5
VW/AS-3	**10/17/2000**	**7,730**	**2,700**	**<50.0**	**542**	**344**	**<250**	**42.1**	**18.14**	**12.13**	**6.01**	**1.6/1.0**

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

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

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020
MTBE = methyl-tertiary-butyl ether by EPA Method 8020
TOC = Top of Casing Elevation
GW = Groundwater
DO = Dissolved Oxygen
NA = Not applicable
ug/L = parts per billion
ppm = parts per million
msl = Mean sea level
ft = Feet
<n = Below detection limit
D = Duplicate sample
n/n = Pre-purge/Post-purge DO Readings

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

Sequoia
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8 November, 2000

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

RE: 1230 14th Street
Sequoia Report: MJJ0562

Enclosed are the results of analyses for samples received by the laboratory on 10/18/00 12:38. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210

Sequoia Analytical

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MJJ0562-01	Water	10/17/00 14:40	10/18/00 12:38
MW-2	MJJ0562-02	Water	10/17/00 12:15	10/18/00 12:38
MW-3	MJJ0562-03	Water	10/17/00 11:29	10/18/00 12:38
MW-4	MJJ0562-04	Water	10/17/00 10:02	10/18/00 12:38
VW/MW-2	MJJ0562-05	Water	10/17/00 10:38	10/18/00 12:38
VW/AS-1	MJJ0562-06	Water	10/17/00 15:20	10/18/00 12:38
VW/AS-3	MJJ0562-07	Water	10/17/00 13:50	10/18/00 12:38
VW/MW-4	MJJ0562-08	Water	10/17/00 13:10	10/18/00 12:38

Wayne Stevenson, Client Services Manager

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

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
MW-1 (MJJ0562-01) Water Sampled: 10/17/00 14:40 Received: 10/18/00 12:38									
Purgeable Hydrocarbons	**15800**	5000	ug/l	100	0J30001	10/30/00	10/30/00	DHS LUFT	P-01
Benzene	**6720**	50.0	"	"	"	"	"	"	
Toluene	**435**	50.0	"	"	"	"	"	"	
Ethylbenzene	**587**	50.0	"	"	"	"	"	"	
Xylenes (total)	**887**	50.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**351**	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.1 %*	*70-130*		"	"	"	"	
MW-2 (MJJ0562-02) Water Sampled: 10/17/00 12:15 Received: 10/18/00 12:38									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J30002	10/30/00	10/30/00	DHS LUFT	
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		*90.1 %*	*70-130*		"	"	"	"	
MW-3 (MJJ0562-03) Water Sampled: 10/17/00 11:29 Received: 10/18/00 12:38									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J26003	10/26/00	10/26/00	DHS LUFT	
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		*70.8 %*	*70-130*		"	"	"	"	

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

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
MW-4 (MJJ0562-04) Water Sampled: 10/17/00 10:02 Received: 10/18/00 12:38									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J30002	10/30/00	10/30/00	DHS LUFT	
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		*90.9 %*		*70-130*		"	"	"	
VW/MW-2 (MJJ0562-05) Water Sampled: 10/17/00 10:38 Received: 10/18/00 12:38									
Purgeable Hydrocarbons	**4070**	1000	ug/l	20	0J30001	10/30/00	10/30/00	DHS LUFT	P-01
Benzene	**763**	10.0	"	"	"	"	"	"	
Toluene	**589**	10.0	"	"	"	"	"	"	
Ethylbenzene	**214**	10.0	"	"	"	"	"	"	
Xylenes (total)	**501**	10.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*85.8 %*		*70-130*		"	"	"	
VW/AS-1 (MJJ0562-06) Water Sampled: 10/17/00 15:20 Received: 10/18/00 12:38									
Purgeable Hydrocarbons	**38400**	10000	ug/l	200	0J31004	10/31/00	10/31/00	DHS LUFT	P-01
Benzene	**7240**	100	"	"	"	"	"	"	
Toluene	**5980**	100	"	"	"	"	"	"	
Ethylbenzene	**1960**	100	"	"	"	"	"	"	
Xylenes (total)	**5730**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**534**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.0 %*		*70-130*		"	"	"	

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

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
VW/AS-3 (MJJ0562-07) Water Sampled: 10/17/00 13:50 Received: 10/18/00 12:38									
Purgeable Hydrocarbons	**7730**	5000	ug/l	100	0J31004	10/31/00	10/31/00	DHS LUFT	P-01
Benzene	**2700**	50.0	"	"	"	"	"	"	
Toluene	ND	50.0	"	"	"	"	"	"	
Ethylbenzene	**542**	50.0	"	"	"	"	"	"	
Xylenes (total)	**344**	50.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.7 %*	*70-130*		"	"	"	"	
VW/MW-4 (MJJ0562-08) Water Sampled: 10/17/00 13:10 Received: 10/18/00 12:38									
Purgeable Hydrocarbons	**8360**	2500	ug/l	50	0J31004	10/31/00	10/31/00	DHS LUFT	P-01
Benzene	**2060**	25.0	"	"	"	"	"	"	
Toluene	**391**	25.0	"	"	"	"	"	"	
Ethylbenzene	**468**	25.0	"	"	"	"	"	"	
Xylenes (total)	**1170**	25.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**147**	125	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*79.3 %*	*70-130*		"	"	"	"	

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MJJ0562-01) Water Sampled: 10/17/00 14:40 Received: 10/18/00 12:38									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
MW-2 (MJJ0562-02) Water Sampled: 10/17/00 12:15 Received: 10/18/00 12:38									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
MW-3 (MJJ0562-03) Water Sampled: 10/17/00 11:29 Received: 10/18/00 12:38									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
MW-4 (MJJ0562-04) Water Sampled: 10/17/00 10:02 Received: 10/18/00 12:38									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
VW/MW-2 (MJJ0562-05) Water Sampled: 10/17/00 10:38 Received: 10/18/00 12:38									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
VW/AS-1 (MJJ0562-06) Water Sampled: 10/17/00 15:20 Received: 10/18/00 12:38									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
VW/AS-3 (MJJ0562-07) Water Sampled: 10/17/00 13:50 Received: 10/18/00 12:38									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
VW/MW-4 (MJJ0562-08) Water Sampled: 10/17/00 13:10 Received: 10/18/00 12:38									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

MTBE by EPA Method 8260B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MJJ0562-01) Water Sampled: 10/17/00 14:40 Received: 10/18/00 12:38									
Methyl tert-butyl ether	ND	66.7	ug/l	33.33	0100144	10/27/00	10/27/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*76.0-114*		"	"	"	
VW/AS-1 (MJJ0562-06) Water Sampled: 10/17/00 15:20 Received: 10/18/00 12:38									
Methyl tert-butyl ether	**72.4**	50.0	ug/l	25	0100138	10/30/00	10/30/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*		*76.0-114*		"	"	"	
VW/AS-3 (MJJ0562-07) Water Sampled: 10/17/00 13:50 Received: 10/18/00 12:38									
Methyl tert-butyl ether	**42.1**	33.3	ug/l	16.67	0100144	10/27/00	10/27/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*76.0-114*		"	"	"	

Sequoia Analytical

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www.sequoialabs.com

Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

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 0J26003 - EPA 5030B [P/T]										
Blank (0J26003-BLK1)				Prepared & Analyzed: 10/26/00						
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	*8.15*		"	*10.0*		*81.5*	*70-130*			
LCS (0J26003-BS1)				Prepared & Analyzed: 10/26/00						
Benzene	8.73	0.500	ug/l	10.0		87.3	70-130			
Toluene	8.22	0.500	"	10.0		82.2	70-130			
Ethylbenzene	8.06	0.500	"	10.0		80.6	70-130			
Xylenes (total)	25.3	0.500	"	30.0		84.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*8.22*		"	*10.0*		*82.2*	*70-130*			
Matrix Spike (0J26003-MS1)		**Source: MJJ0562-03**		Prepared & Analyzed: 10/26/00						
Benzene	10.0	0.500	ug/l	10.0	ND	100	60-140			
Toluene	8.42	0.500	"	10.0	ND	84.2	60-140			
Ethylbenzene	7.83	0.500	"	10.0	ND	78.3	60-140			
Xylenes (total)	26.6	0.500	"	30.0	ND	88.7	60-140			
Surrogate: a,a,a-Trifluorotoluene	*8.20*		"	*10.0*		*82.0*	*70-130*			
Matrix Spike Dup (0J26003-MSD1)		**Source: MJJ0562-03**		Prepared & Analyzed: 10/26/00						
Benzene	13.1	0.500	ug/l	10.0	ND	131	60-140	26.8	25	Q-01
Toluene	9.45	0.500	"	10.0	ND	94.5	60-140	11.5	25	
Ethylbenzene	9.47	0.500	"	10.0	ND	94.7	60-140	19.0	25	
Xylenes (total)	27.6	0.500	"	30.0	ND	92.0	60-140	3.69	25	
Surrogate: a,a,a-Trifluorotoluene	*8.27*		"	*10.0*		*82.7*	*70-130*			

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

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 0J30001 - EPA 5030B [P/T]										
Blank (0J30001-BLK1)				Prepared & Analyzed: 10/30/00						
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	*9.10*		"	*10.0*		*91.0*	*70-130*			
LCS (0J30001-BS1)				Prepared & Analyzed: 10/30/00						
Purgeable Hydrocarbons	229	50.0	ug/l	250		91.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*8.46*		"	*10.0*		*84.6*	*70-130*			
Matrix Spike (0J30001-MS1)		**Source: MJJ0433-01**		Prepared & Analyzed: 10/30/00						
Purgeable Hydrocarbons	228	50.0	ug/l	250	ND	91.2	60-140			
Surrogate: a,a,a-Trifluorotoluene	*8.43*		"	*10.0*		*84.3*	*70-130*			
Matrix Spike Dup (0J30001-MSD1)		**Source: MJJ0433-01**		Prepared & Analyzed: 10/30/00						
Purgeable Hydrocarbons	224	50.0	ug/l	250	ND	89.6	60-140	1.77	25	
Surrogate: a,a,a-Trifluorotoluene	*8.24*		"	*10.0*		*82.4*	*70-130*			
Batch 0J30002 - EPA 5030B [P/T]										
Blank (0J30002-BLK1)				Prepared & Analyzed: 10/30/00						
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	*9.15*		"	*10.0*		*91.5*	*70-130*			

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

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 0J30002 - EPA 5030B [P/T]										
LCS (0J30002-BS1)				Prepared & Analyzed: 10/30/00						
Benzene	8.47	0.500	ug/l	10.0		84.7	70-130			
Toluene	10.4	0.500	"	10.0		104	70-130			
Ethylbenzene	10.7	0.500	"	10.0		107	70-130			
Xylenes (total)	32.6	0.500	"	30.0		109	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.01*		"	*10.0*		*90.1*	*70-130*			
Batch 0J31004 - EPA 5030B [P/T]										
Blank (0J31004-BLK1)				Prepared & Analyzed: 10/31/00						
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	*8.89*		"	*10.0*		*88.9*	*70-130*			
LCS (0J31004-BS1)				Prepared & Analyzed: 10/31/00						
Benzene	7.61	0.500	ug/l	10.0		76.1	70-130			
Toluene	9.95	0.500	"	10.0		99.5	70-130			
Ethylbenzene	11.3	0.500	"	10.0		113	70-130			
Xylenes (total)	32.9	0.500	"	30.0		110	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.14*		"	*10.0*		*91.4*	*70-130*			
Matrix Spike (0J31004-MS1)		**Source: MJJ0609-05**		Prepared & Analyzed: 10/31/00						
Benzene	9.71	0.500	ug/l	10.0	ND	97.1	60-140			
Toluene	10.3	0.500	"	10.0	ND	103	60-140			
Ethylbenzene	10.4	0.500	"	10.0	ND	104	60-140			
Xylenes (total)	30.0	0.500	"	30.0	ND	100	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.03*		"	*10.0*		*90.3*	*70-130*			

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

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 0J31004 - EPA 5030B [P/T]										
Matrix Spike Dup (0J31004-MSD1)		**Source: MJJ0609-05**		Prepared & Analyzed: 10/31/00						
Benzene	9.71	0.500	ug/l	10.0	ND	97.1	60-140	0	25	
Toluene	10.2	0.500	"	10.0	ND	102	60-140	0.976	25	
Ethylbenzene	10.3	0.500	"	10.0	ND	103	60-140	0.966	25	
Xylenes (total)	29.8	0.500	"	30.0	ND	99.3	60-140	0.669	25	
Surrogate: a,a,a-Trifluorotoluene	*8.93*		"	*10.0*		*89.3*	*70-130*			

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0J31006 - General Prep										
Blank (0J31006-BLK1)				Prepared & Analyzed: 10/31/00						
TRPH	ND	5.00	mg/l							
LCS (0J31006-BS1)				Prepared & Analyzed: 10/31/00						
TRPH	9.80	5.00	mg/l	10.0		98.0	70-130			
LCS Dup (0J31006-BSD1)				Prepared & Analyzed: 10/31/00						
TRPH	10.4	5.00	mg/l	10.0		104	70-130	5.94	30	

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

MTBE by EPA Method 8260B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0100138 - EPA 5030B [P/T]										
Blank (0100138-BLK1)				Prepared & Analyzed: 10/27/00						
Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*48.9*		"	*50.0*		*97.8*	*76.0-114*			
Blank (0100138-BLK2)				Prepared & Analyzed: 10/30/00						
Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*49.1*		"	*50.0*		*98.2*	*76.0-114*			
LCS (0100138-BS1)				Prepared & Analyzed: 10/27/00						
Methyl tert-butyl ether	49.1	2.00	ug/l	50.0		98.2	70.0-130			
Surrogate: 1,2-Dichloroethane-d4	*50.4*		"	*50.0*		*101*	*76.0-114*			
LCS (0100138-BS2)				Prepared & Analyzed: 10/30/00						
Methyl tert-butyl ether	51.7	2.00	ug/l	50.0		103	70.0-130			
Surrogate: 1,2-Dichloroethane-d4	*50.8*		"	*50.0*		*102*	*76.0-114*			
Matrix Spike (0100138-MS1)		**Source: L010226-02**		Prepared & Analyzed: 10/27/00						
Methyl tert-butyl ether	50.8	2.00	ug/l	50.0	ND	102	60.0-140			
Surrogate: 1,2-Dichloroethane-d4	*49.7*		"	*50.0*		*99.4*	*76.0-114*			
Matrix Spike Dup (0100138-MSD1)		**Source: L010226-02**		Prepared & Analyzed: 10/27/00						
Methyl tert-butyl ether	49.5	2.00	ug/l	50.0	ND	99.0	60.0-140	2.99	25.0	
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*76.0-114*			
Batch 0100144 - EPA 5030B [P/T]										
Blank (0100144-BLK1)				Prepared & Analyzed: 10/27/00						
Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*53.9*		"	*50.0*		*108*	*76.0-114*			

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

MTBE by EPA Method 8260B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0100144 - EPA 5030B [P/T]										
LCS (0100144-BS1)				Prepared & Analyzed: 10/27/00						
Methyl tert-butyl ether	53.6	2.00	ug/l	50.0		107	70.0-130			
Surrogate: 1,2-Dichloroethane-d4	*54.2*		"	*50.0*		*108*	*76.0-114*			

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Blaine Tech Services (Shell)	Project: 1230 14th Street	
1680 Rogers Avenue	Project Number: 1230 14th Street	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	11/08/00 12:00

Notes and Definitions

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
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 001017-Z1

CLIENT: Equiva - Karen Petryna

SITE: 1230 14th Street
Oakland, CA

LAB: Sequoia DHS #:

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

☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION

MJT0562

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97088250

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLE I.D.			MATRIX S = SOIL W = H2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	TOG	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	10-17-00	1440	W	8	mixed	01	X	X	X				X				
MW-2		1215		5		02	X	X					X				
MW-3		1129		5		03	X	X					X				
MW-4		1002		5		04	X	X					X				
VW/MW-2		1038		5		05	X	X					X				
VW/MW-4		1310		5		06	X	X					X				
VW/AS-1		1520		8		07	X	X	X				X				
VW/AS-3		1350		8		08	X	X	X				X				

SAMPLING COMPLETED: DATE 10-17-00 TIME 1600

SAMPLING PERFORMED BY: AIDAN METZGER

RESULTS NEEDED NO LATER THAN

		DATE	TIME		DATE	TIME
RELEASED BY	Aidan Metzger	10/18/00	1100	RECEIVED BY		10/18/00 1105
RELEASED BY		10/18/00		RECEIVED BY		10/18/00 1238
RELEASED BY		DATE	TIME	RECEIVED BY		DATE TIME

VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 001017-Z1 Date 10-17-00 Client EQUIVA

Site 1230 14th St. Oakland

	Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	D.O. Readings
7	MW-1	2	(NO ORC's)				12.61	21.00	TOC	
4	MW-2	2					11.80	21.93		
3	MW-3	2					12.10	19.00		
1	MW-4	2					11.96	19.60		
2	VW/MW-2	2	(NO ORC's)				12.21	20.75		
5	VW/MW-4	2	(NO ORC's)				12.03	18.51		
8	VW/AS-1	1					12.62	18.90		
6	VW/AS-3	1					12.13	19.65		

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001017-Z1	Site: 97088250
Sampler: Aidan M.	Date: 10-17-00
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 21.00	Depth to Water: 12.61
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: _____

* Take Pre and Post purge D.O. readings

1.3 (Gals.) X 3 = 3.9 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
1433	66.6	6.8	1679	>200	1.5	
1435	66.7	6.8	1688	>200	3	
1437	66.5	6.8	1632	>200	4	

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Time: 1440 Sampling Date: 10-17-00

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

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

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) 1.2 mg/L (Post-purge) 0.8 mg/L

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001017-Z1	Site: 97088250
Sampler: Aidan M.	Date: 10-17-00
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 21.93	Depth to Water: 11.80
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: _____

* Take Pre and Post purge D.O. readings

1.6	(Gals.) X	3	=	4.8	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
1208	68.2	6.5	987	>200	2	
1211	68.8	6.8	1006	>200	4	
1213	68.7	6.9	941	>200	5	

Did well dewater? Yes (No)		Gallons actually evacuated: 5	
Sampling Time: 1215		Sampling Date: 10-17-00	
Sample I.D.: MW-2		Laboratory: (Sequoia) Columbia Other_____	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other: TOG	
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)	0.9 mg/L	(Post-purge)	0.6 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001017-Z1	Site: 97088250
Sampler: Aidan M.	Date: 10-17-00
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.00	Depth to Water: 12.10
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: ____

* Take Pre and Post purge D.O. readings

1.1 (Gals.) X 3 = 3.3 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1119	68.2	6.6	1187	>200	1.1	
1121	68.3	6.6	1202	>200	2.2	
1124	68.3	6.7	1204	>200	3.3	

Did well dewater? Yes (No)		Gallons actually evacuated: 3.3	
Sampling Time: 1129		Sampling Date: 10-17-00	
Sample I.D.: MW-3		Laboratory: (Sequoia) Columbia Other____	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other: TOG	
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)	1.0 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001017-Z1	Site: 97088250
Sampler: Aidan M.	Date: 10-17-00
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.60	Depth to Water: 11.96
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: ____

* Take Pre and Post purge D.O. readings

1.2 (Gals.) X 3 = 3.6 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
957	71.0	6.5	356	>200	1.2	
958	71.0	6.4	402	>200	2.4	
959	71.2	6.5	390	>200	3.6	

Did well dewater? Yes (No)	Gallons actually evacuated: 3.6
Sampling Time: 1002	Sampling Date: 10-17-00
Sample I.D.: MW-4	Laboratory: (Sequoia) Columbia Other____
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D	Other: TOG
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)	5.5 mg/L	(Post-purge)	1.2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001017-Z1	Site: 97088250
Sampler: Aidan M.	Date: 10-17-00
Well I.D.: VW/MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 20.75	Depth to Water: 12.21
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: ____

* Take Pre and Post purge D.O. readings

1.3 (Gals.) X 3 = 3.9 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
1029	67.2	7.0	1161	>200	1.5	
1031	67.5	7.1	1161	>200	3	
1033	67.6	7.1	1160	>200	4	

Did well dewater? Yes (No)		Gallons actually evacuated: 4	
Sampling Time: 1038		Sampling Date: 10-17-00	
Sample I.D.: VW/MW-2		Laboratory: (Sequoia) Columbia Other____	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other: TOG	
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)	0.8 mg/L	(Post-purge)	0.7 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001017-Z1	Site: 97088250
Sampler: Aidan M.	Date: 10-17-00
Well I.D.: VW/MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 18.51	Depth to Water: 12.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:
(Bailer) Waterra
Disposable Bailer Peristaltic
Middleburg Extraction Pump
Electric Submersible Other____

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

* Take Pre and Post purge D.O. readings

1.0 (Gals.) X 3 = 3 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
1305	69.2	7.0	1512	>200	1	
1306	69.6	7.0	1504	>200	2	
1307	69.3	6.9	1510	>200	3	

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Time: 1310 Sampling Date: 10-17-00

Sample I.D.: VW/MW-4 Laboratory: (Sequoia) Columbia Other____

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

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)	0.7 mg/L	(Post-purge)	0.8 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001017-Z1	Site: 97088250
Sampler: Aidan M.	Date: 10-17-00
Well I.D.: VW/AS-1	Well Diameter: 2 3 4 6 8 (1)
Total Well Depth: 18.90	Depth to Water: 12.62
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: _____

* Take Pre and Post purge D.O. readings

0.25 (Gals.) X	3	= 0.75 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1508	68.0	6.9	1277	>200	0.25	
1512	68.1	7.0	1265	>200	0.5	
1516	68.6	7.0	1264	>200	0.75	

Did well dewater? Yes (No)		Gallons actually evacuated: 0.75	
Sampling Time: 1520		Sampling Date: 10-17-00	
Sample I.D.: VW/AS-1		Laboratory: (Sequoia) Columbia Other_____	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other: TOG	
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) 2.5 mg/L	(Post-purge) 1.0 mg/L	
O.R.P. (if req'd):	Pre-purge: mV	Post-purge: mV	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001017-Z1	Site: 97088250
Sampler: Aidan M.	Date: 10-17-00
Well I.D.: VW/AS-3	Well Diameter: 2 3 4 6 8 (1)
Total Well Depth: 19.65	Depth to Water: 12.13
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: _____

* Take Pre and Post purge D.O. readings

1 Case Volume	Specified Volumes	Calculated Volume
0.3 (Gals.) X	3	= 0.9 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
1343	67.5	6.5	1461	>200	0.3	
1346	67.7	6.6	1454	>200	0.6	
1348	67.6	6.6	1448	>200	0.9	

Did well dewater? Yes (No)		Gallons actually evacuated: 0.9	
Sampling Time: 1350		Sampling Date: 10-17-00	
Sample I.D.: VW/AS-3		Laboratory: (Sequoia) Columbia Other_____	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other: TOG	
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)	1.6 mg/L	(Post-purge)	1.0 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV