

C A M B R I A

January 26, 2000

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

Re: **Fourth Quarter 1999 Monitoring Report**
Former Shell Service Station
2800 Telegraph Avenue
Oakland, California
Incident #97093398
Cambria Project #241-1507-002

LOP 4/13



Dear Ms. Hugo:

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

FOURTH QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells. Blaine calculated ground water elevations and compiled the analytical data. Cambria prepared a ground water elevation contour map (Figure 1). The Blaine report, presenting the laboratory report and including supporting field documents, is included as Attachment A.

Well Abandonments: Due to construction activities on the adjacent property where three monitoring wells were located, Cambria obtained permission from Susan Hugo of the Alameda County Health Care Services Agency (ACHCSA) for the abandonment of wells S-7, S-9 and S-11. These well abandonments, performed to protect the integrity of the local ground water from adverse construction activities, are summarized in Cambria's January 14, 2000 *Monitoring Well Destruction Report*.

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

**Cambria
Environmental
Technology, Inc.**

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

ENVIRONMENTAL
PROTECTION
00 JAN 32 PM 3:14

LOP - CHANGE RECORD REQUEST FORM

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Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp:

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 413 LOC:
 SITE NAME: Pill Hill Shell DATE REPORTED : 12/07/1988
 ADDRESS : 2800 Telegraph Ave DATE CONFIRMED: 12/07/1988
 CITY/ZIP : Oakland 94609 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: W CONTRACT STATUS: 4 PRIOR CODE:2B4 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 03/31/1992
 PRELIMINARY ASMNT: U DATE UNDERWAY: 04/22/1988 DATE COMPLETED:
 REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
 REMEDIAL ACTION: DATE UNDERWAY: DATE COMPLETED:
 POST REMED ACT MON: DATE UNDERWAY: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 03/31/1992
 LUFT FIELD MANUAL CONSID: 3HSCAWG
 CASE CLOSED: DATE CASE CLOSED:
 DATE EXCAVATION STARTED : 12/07/1988 REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Karen Petryna
 COMPANY NAME: Equiva Services L L C
 ADDRESS: P. O. Box 7869
 CITY/STATE: Burbank, California 91501-7869

Y ✓ aw

RP#2-CONTACT NAME: Harmon Management
 COMPANY NAME: Company
 ADDRESS: 199-1st St. Suite 212
 CITY/STATE: Los Altos, California 94022

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANPPGMS _____	LOP _____	DATE _____	LOP _____	DATE _____

ANTICIPATED FIRST QUARTER 2000 ACTIVITIES

Request for Reduction in Ground Water Sampling: Based on the low to non-detectable dissolved-phase concentrations of hydrocarbons at the site, Cambria respectfully requests the following revised ground water sampling schedule:

- S-1: Sample annually in 1Q00;
- S-4: Sample annually in 1Q00;
- S-5: Sample annually in 1Q00;
- S-6: Sample semi-annually in 1Q00;
- S-7: Abandoned in 11/19/99;
- S-8: Sample annually in 1Q00;
- S-9: Abandoned in 11/19/99;
- S-10: Sample annually in 1Q00;
- S-11: Abandoned in 11/19/99; and
- SR-1: Sample annually in 1Q00.

Ground Water Monitoring: Blaine will gauge all wells and tabulate the data. If approved, Cambria will implement the above proposed schedule. Cambria will prepare a monitoring report.

CLOSING

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

Sincerely,
Cambria Environmental Technology, Inc



Troy A. Buggle
Senior Staff Scientist

Ailsa S. Le May, R.G.
Senior Geologist

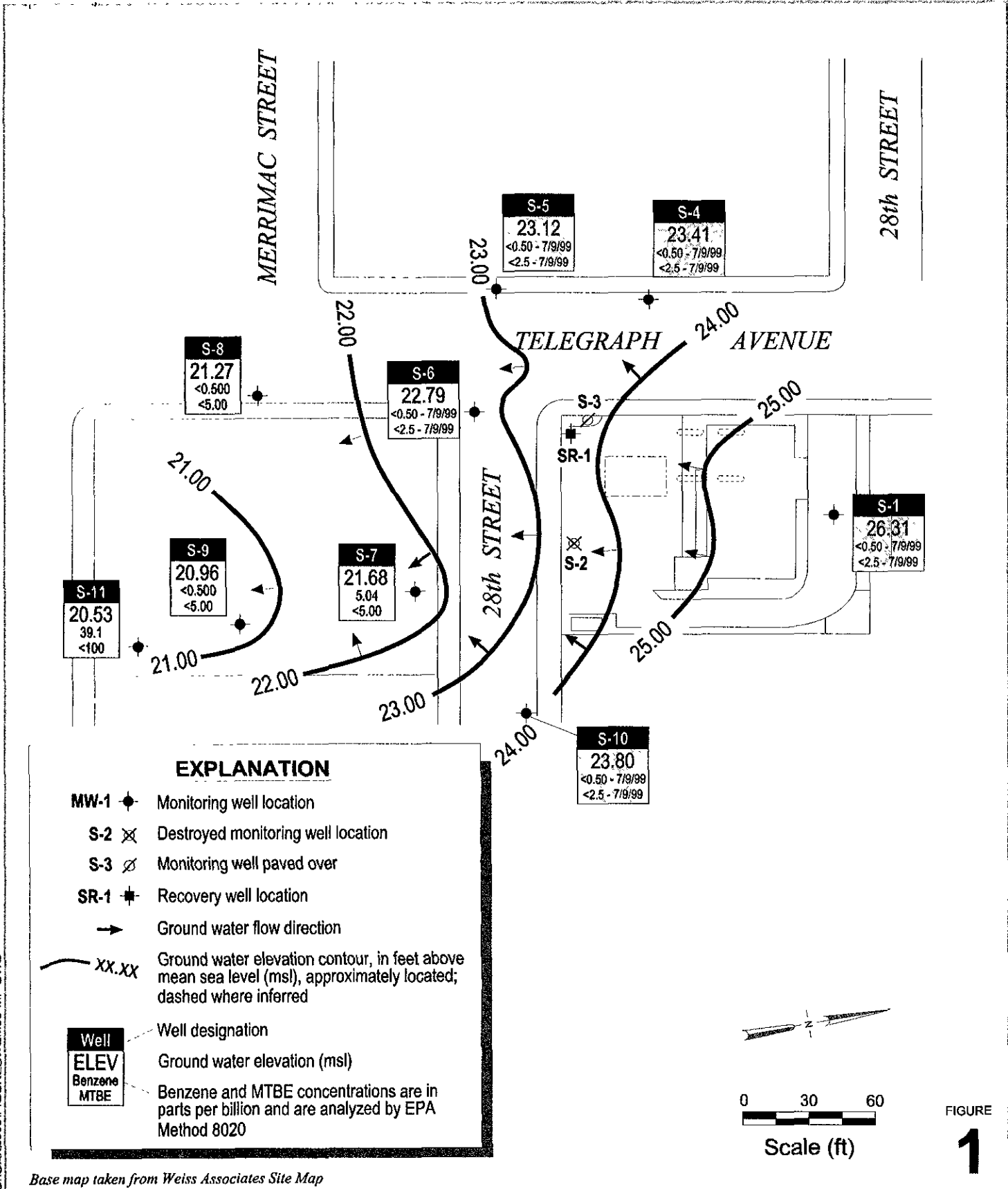


Figure: 1 - Ground Water Elevation Contour Map

Attachment: A - Blaine Ground Water Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California ⁹¹⁵⁰¹ 91501-7869
Adlai M Karim, 2800 Telegraph Ave., Oakland, CA 94705

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Base map taken from Weiss Associates Site Map

Former Shell Service Station
 2800 Telegraph Avenue
 Oakland, California
 Incident #97093398



C A M B R I A

Ground Water Elevation Contour Map

October 6, 1999

ATTACHMENT A

Blaine Ground Water Monitoring Report
and Field Notes

BLAINE
TECH SERVICES INC



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

October 28, 1999

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

Fourth Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
2800 Telegraph Avenue
Oakland, CA

Monitoring performed on October 6, 1999

Groundwater Monitoring Report **991006-M-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 that reads "Deidre Kerwin For:".

Deidre Kerwin
Operations Manager

DK/ek

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
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-1	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	9.50	25.81	NA
S-1	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	10.85	24.46	NA
S-1	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	10.34	24.97	NA
S-1	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	7.60	27.71	NA
S-1	06/07/1993	<50	2.8	1.3	0.7	3.0	NA	NA	35.31	8.63	26.68	NA
S-1	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	9.20	26.11	NA
S-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	10.58	24.73	NA
S-1	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	8.41	26.90	NA
S-1	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	9.09	26.22	NA
S-1	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	8.81	26.50	NA
S-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	35.31	9.32	25.99	NA
S-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	35.31	6.98	28.33	NA
S-1	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	35.31	9.35	25.96	NA
S-1	02/02/1996	NA	NA	NA	NA	NA	NA	NA	35.31	7.45	27.86	NA
S-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	35.31	8.91	26.40	NA
S-1	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	35.31	9.33	25.98	NA
S-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	35.31	10.11	25.20	NA
S-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	35.31	7.93	27.38	NA
S-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	35.31	8.94	26.37	NA
S-1	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	35.31	9.55	25.76	NA
S-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	35.31	9.43	25.88	NA
S-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	35.31	8.21	27.10	NA
S-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	35.31	8.27	27.04	NA
S-1	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	35.31	8.97	26.34	NA

WELL CONCENTRATIONS
Shell-branded Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	35.31	9.89	25.42	NA
S-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	35.31	8.45	26.86	NA
S-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	35.31	9.04	26.27	NA
S-1	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	35.31	9.11	26.20	NA
S-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	35.31	9.00	26.31	NA

S-2	05/04/1992	1600	190	6.0	240	54	NA	NA	33.91	9.44	24.47	NA
S-2	08/10/1992	<50	4.1	<0.5	<0.5	<0.5	NA	NA	33.91	10.73	23.18	NA
S-2	09/11/1992	84	19	0.7	2.2	4.3	NA	NA	33.91	NA	NA	NA
S-2	11/09/1992	NA	NA	NA	NA	NA	NA	NA	33.91	10.29	23.62	NA
S-2	02/23/1993	16000	1600	480	850	1800	NA	NA	33.91	9.04	24.87	NA
S-2	04/08/1993	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA

S-3	05/04/1992	NA	NA	NA	NA	NA	NA	NA	33.56	9.22	24.34	NA
S-3	08/10/1992	Well paved over		NA	NA	NA	NA	NA	NA	NA	NA	NA

S-4	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	9.96	24.12	NA
S-4	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	11.32	22.76	NA
S-4	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	11.29	22.79	NA
S-4	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	9.82	24.26	NA
S-4	06/07/1993	50	9.2	5.5	3.3	14	NA	NA	34.08	10.51	23.57	NA
S-4	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	11.05	23.03	NA
S-4	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	11.34	22.74	NA
S-4	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	9.93	24.15	NA
S-4	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	10.40	23.68	NA

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S-4	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	10.68	23.40	NA
S-4	11/08/1994	NA	NA	NA	NA	NA	NA	NA	34.08	9.44	24.64	NA
S-4	02/03/1995	NA	NA	NA	NA	NA	NA	NA	34.08	9.18	24.90	NA
S-4	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	34.08	10.62	23.46	NA
S-4	02/02/1996	NA	NA	NA	NA	NA	NA	NA	34.08	9.23	24.85	NA
S-4	05/04/1996	NA	NA	NA	NA	NA	NA	NA	34.08	10.37	23.71	NA
S-4	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	34.08	10.69	23.39	NA
S-4	10/02/1996	NA	NA	NA	NA	NA	NA	NA	34.08	10.96	23.12	NA
S-4	01/08/1997	NA	NA	NA	NA	NA	NA	NA	34.08	9.37	24.71	NA
S-4	04/17/1997	NA	NA	NA	NA	NA	NA	NA	34.08	10.25	23.83	NA
S-4	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	34.08	10.60	23.48	NA
S-4	10/07/1997	NA	NA	NA	NA	NA	NA	NA	34.08	10.52	23.56	NA
S-4	01/07/1998	NA	NA	NA	NA	NA	NA	NA	34.08	9.79	24.29	NA
S-4	04/02/1998	NA	NA	NA	NA	NA	NA	NA	34.08	9.56	24.52	NA
S-4	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	34.08	10.51	23.57	NA
S-4	10/01/1998	NA	NA	NA	NA	NA	NA	NA	34.08	11.01	23.07	NA
S-4	01/12/1999	NA	NA	NA	NA	NA	NA	NA	34.08	10.53	23.55	NA
S-4	04/19/1999	NA	NA	NA	NA	NA	NA	NA	34.08	9.73	24.35	NA
S-4	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	34.08	10.48	23.60	NA
S-4	10/06/1999	NA	NA	NA	NA	NA	NA	NA	34.08	10.67	23.41	NA

S-5	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.27	23.15	NA
S-5	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.68	22.74	NA
S-5	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.69	22.73	NA
S-5	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	9.45	23.97	NA

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S-5	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.23	23.19	NA
S-5	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.58	22.84	NA
S-5	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.70	22.72	NA
S-5	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	9.75	23.67	NA
S-5	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.19	23.23	NA
S-5	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.30	23.12	NA
S-5	11/08/1994	NA	NA	NA	NA	NA	NA	NA	33.42	9.64	23.78	NA
S-5	02/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	9.59	23.83	NA
S-5	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	10.23	23.90	NA
S-5	02/02/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.42	9.51	23.91	NA
S-5	05/04/1996	NA	NA	NA	NA	NA	NA	NA	33.42	10.15	23.27	NA
S-5	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	10.30	23.12	NA
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	33.42	10.54	22.88	NA
S-5	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	9.56	23.86	NA
S-5	04/17/1997	NA	NA	NA	NA	NA	NA	NA	33.42	10.03	23.39	NA
S-5	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	10.23	23.19	NA
S-5	10/07/1997	NA	NA	NA	NA	NA	NA	NA	33.42	10.25	23.17	NA
S-5	01/07/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	9.83	23.59	NA
S-5	04/02/1998	NA	NA	NA	NA	NA	NA	NA	33.42	9.73	23.69	NA
S-5	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	10.04	23.38	NA
S-5	10/01/1998	NA	NA	NA	NA	NA	NA	NA	33.42	10.91	22.51	NA
S-5	01/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	33.42	9.80	23.62	NA
S-5	04/19/1999	NA	NA	NA	NA	NA	NA	NA	33.42	9.09	24.33	NA
S-5	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.42	10.05	23.37	NA
S-5	10/06/1999	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA

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Wic #204-5508-2303

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-6	05/04/1992	3100	640	22	23	97	NA	NA	32.59	9.42	23.17	NA
S-6	08/10/1992	3400	430	27	26	120	NA	NA	32.59	10.40	22.19	NA
S-6	11/09/1992	2000	320	15	15	100	NA	NA	32.59	10.16	22.43	NA
S-6	02/23/1993	14000	780	180	380	1300	NA	NA	32.59	7.60	24.99	NA
S-6	06/07/1993	3900	1400	56	83	210	NA	NA	32.59	8.90	23.69	NA
S-6	08/13/1993	4000a	890	16	<0.5	41	NA	NA	32.59	9.39	23.20	NA
S-6	11/18/1993	80	5.0	<0.5	<0.5	<0.5	NA	NA	32.59	10.32	22.27	NA
S-6	02/10/1994	4100	370	23	21	90	NA	NA	32.59	8.68	23.91	NA
S-6	05/03/1994	4700	550	28	85	340	NA	NA	32.59	9.20	23.39	NA
S-6	08/01/1994	2900	370	11	11	43	NA	NA	32.59	8.90	23.69	NA
S-6	11/08/1994	NA	NA	NA	NA	NA	NA	NA	32.59	8.32	23.69	NA
S-6	02/03/1995	NA	NA	NA	NA	NA	NA	NA	32.59	8.04	23.69	NA
S-6	08/02/1995	1400	160	<5	<5	<5	NA	NA	32.59	9.26	23.19	NA
S-6	02/02/1996	NA	NA	NA	NA	NA	NA	NA	32.59	7.90	24.69	NA
S-6	05/04/1996	NA	NA	NA	NA	NA	NA	NA	32.59	8.98	23.61	NA
S-6	08/02/1996	1600	150	9.2	13	23	17	NA	32.59	9.34	23.25	NA
S-6	10/02/1996	NA	NA	NA	NA	NA	NA	NA	32.59	9.96	22.63	NA
S-6	01/08/1997	NA	NA	NA	NA	NA	NA	NA	32.59	7.38	25.21	NA
S-6	04/17/1997	NA	NA	NA	NA	NA	NA	NA	32.59	9.16	23.43	NA
S-6	07/01/1997	<50	1.5	<0.50	<0.50	<0.50	<2.5	NA	32.59	9.60	22.99	NA
S-6	10/07/1997	NA	NA	NA	NA	NA	NA	NA	32.59	9.64	22.95	NA
S-6	01/07/1998	NA	NA	NA	NA	NA	NA	NA	32.59	8.34	24.25	NA
S-6	04/02/1998	NA	NA	NA	NA	NA	NA	NA	32.59	7.93	24.66	NA
S-6	07/02/1998	370	22	0.62	<0.50	<0.50	5.60	NA	32.59	9.85	22.74	NA

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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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-6	10/01/1998	NA	NA	NA	NA	NA	NA	NA	32.59	10.48	22.11	NA
S-6	01/12/1999	NA	NA	NA	NA	NA	NA	NA	32.59	9.63	22.96	NA
S-6	04/19/1999	NA	NA	NA	NA	NA	NA	NA	32.59	9.08	23.51	NA
S-6	07/09/1999	52	2.3	<0.50	<0.50	<0.50	<2.5	NA	32.59	9.33	23.26	NA
S-6	10/06/1999	NA	NA	NA	NA	NA	NA	NA	32.59	9.80	22.79	NA

S-6 (D)	08/01/1994	2600	340	8.8	7.7	33	NA	NA	32.59	NA	NA	NA
S-6 (D)	08/02/1995	1400	170	<5	<5	<5	NA	NA	32.59	NA	NA	NA

S-7	05/04/1992	180	1.6	<0.5	1.5	3.0	NA	NA	33.33	11.21	22.12	NA
S-7	08/10/1992	190	8.0	1.4	4.7	8.5	NA	NA	33.33	12.28	21.05	NA
S-7	11/09/1992	280	16	4.0	7.8	21	NA	NA	33.33	11.77	21.56	NA
S-7	02/23/1993	210	13	2.2	5.4	12	NA	NA	33.33	8.86	24.47	NA
S-7	06/07/1993	90	1.2	2.5	1.0	<0.5	NA	NA	33.33	10.58	22.75	NA
S-7	08/13/1993	140	4.0	0.8	<0.5	0.5	NA	NA	33.33	11.34	21.99	NA
S-7	11/18/1993	440	43	4.9	0.9	4.2	NA	NA	33.33	12.00	21.33	NA
S-7	02/10/1994	250a	<0.5	<0.5	1.8	<0.5	NA	NA	33.33	9.88	23.45	NA
S-7	05/03/1994	130	<0.5	<0.5	<0.5	<0.5	NA	NA	33.33	10.75	22.58	NA
S-7	08/01/1994	250	4.8	<0.5	<0.5	<0.5	NA	NA	33.33	11.05	22.28	NA
S-7	11/08/1994	NA	NA	NA	NA	NA	NA	NA	33.33	9.64	23.69	NA
S-7	02/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.33	8.53	24.80	NA
S-7	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	33.33	11.10	22.23	NA
S-7	02/02/1996	480	2.2	2.4	7.9	25	NA	NA	33.33	8.58	24.75	NA
S-7	05/04/1996	NA	NA	NA	NA	NA	NA	NA	33.33	10.41	22.92	NA
S-7	08/02/1996	300	20	2.2	3.8	7.9	21	11	33.33	11.18	22.15	NA

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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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-7	10/02/1996	NA	NA	NA	NA	NA	NA	NA	33.33	12.12	21.21	NA
S-7	01/08/1997	850	16	6.3	20	59	<25	NA	33.33	8.23	25.10	NA
S-7	04/17/1997	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	07/01/1997	120	2.4	<0.50	2.9	2.6	3.5	NA	33.33	11.40	21.93	NA
S-7	10/07/1997	NA	NA	NA	NA	NA	NA	NA	33.33	11.50	21.83	NA
S-7	04/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	33.33	9.39	23.94	NA
S-7	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	33.33	11.15	22.18	NA
S-7	10/06/1999	216	5.04	<0.500	2.23	4.82	<5.00	NA	33.33	11.65	21.68	NA

S-7 (D)	08/02/1996	340	22	2.2	4.4	8.9	20	NA	33.33	NA	NA	NA
S-7 (D)	01/08/1997	840	15	<5.0	21	63	25	NA	33.33	NA	NA	NA
S-7 (D)	07/01/1997	120	2.4	<0.50	2.9	2.6	<2.5	NA	33.33	NA	NA	NA

S-8	05/04/1992	1600	20	420	96	330	NA	NA	31.97	10.29	21.68	NA
S-8	08/10/1992	1500	19	37	60	250	NA	NA	31.97	11.12	20.85	NA
S-8	11/09/1992	710	5.7	24	28	120	NA	NA	31.97	10.71	21.26	NA
S-8	02/23/1993	3800	40	54	68	260	NA	NA	31.97	6.04	25.93	NA
S-8	06/07/1993	1200	13	19	65	150	NA	NA	31.97	10.06	21.91	NA
S-8	08/13/1993	1300	21	23	49	250	NA	NA	31.97	10.56	21.41	NA
S-8	11/18/1993	870	16	5.3	59	230	NA	NA	31.97	10.90	21.07	NA
S-8	02/10/1994	2400	11	55	120	530	NA	NA	31.97	9.53	22.44	NA
S-8	05/03/1994	3100	12	27	130	370	NA	NA	31.97	10.06	21.91	NA
S-8	08/01/1994	1500	20	18	39	190	NA	NA	31.97	10.32	21.65	NA
S-8	11/08/1994	2100	22	38	73	390	NA	NA	31.97	9.25	22.72	NA
S-8	02/03/1995	4800	67	39	130	300	NA	NA	31.97	8.99	22.98	NA

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S-8	05/04/1995	2600	31	23	71	310	NA	NA	31.97	9.22	22.75	NA
S-8	08/02/1995	1700	10	9.1	48	210	NA	NA	31.97	10.36	21.61	NA
S-8	11/02/1995	1200	16	13	72	130	NA	NA	31.97	10.72	21.25	NA
S-8	02/02/1996	7100	29	140	360	1300	NA	NA	31.97	8.92	23.05	NA
S-8	05/04/1996	3500	13	27	110	400	<25	NA	31.97	9.86	22.11	NA
S-8	08/02/1996	850	9.6	7.4	30	160	11	NA	31.97	10.30	21.67	NA
S-8	10/02/1996	980	<5.0	11	13	92	<25	NA	31.97	10.71	21.26	NA
S-8	01/08/1997	6400	88	48	190	500	<100	NA	31.97	8.88	23.09	NA
S-8	04/17/1997	1700	23	7.4	34	50	74	NA	31.97	10.00	21.97	NA
S-8	07/01/1997	140	2.8	<0.50	<0.50	0.58	<2.5	NA	31.97	10.40	21.57	NA
S-8	10/07/1997	300	2.7	0.63	4.6	8.4	<2.5	NA	31.97	10.50	21.47	NA
S-8	01/07/1998	110	1.2	<0.50	<0.50	1.6	<2.5	NA	31.97	9.27	22.70	NA
S-8	04/02/1998	4500	140	77	140	380	<12	NA	31.97	9.31	22.66	NA
S-8	07/02/1998	330	4.2	0.79	1.7	2.3	4.8	NA	31.97	9.48	22.49	NA
S-8	10/01/1998	52	0.76	<0.50	<0.50	0.70	<2.5	NA	31.97	10.08	21.89	NA
S-8	01/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	31.97	10.50	21.47	NA
S-8	04/19/1999	3360	29.6	24.6	137	398	<100	NA	31.97	9.45	22.52	NA
S-8	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	31.97	10.25	21.72	NA
S-8	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	31.97	10.70	21.27	NA

S-8 (D)	02/10/1994	2400	11	46	100	440	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/03/1994	3000	21	25	120	340	NA	NA	31.97	NA	NA	NA
S-8 (D)	11/08/1994	2100	20	31	75	390	NA	NA	31.97	NA	NA	NA
S-8 (D)	02/03/1995	3700	53	30	100	240	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1995	3300	38	26	89	390	NA	NA	31.97	NA	NA	NA

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S-8 (D)	08/02/1995	1200	15	13	70	120	NA	NA	31.97	NA	NA	NA
S-8 (D)	02/02/1996	7800	33	160	400	1500	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1996	5100	19	37	190	690	<25	NA	31.97	NA	NA	NA
S-8 (D)	10/02/1996	1300	<5.0	10	28	180	<25	NA	31.97	NA	NA	NA
S-8 (D)	04/17/1997	1600	25	7.4	30	43	34	NA	31.97	NA	NA	NA
S-8 (D)	01/07/1998	150	1.8	0.6	<0.50	2.2	<2.5	NA	31.97	NA	NA	NA
S-8 (D)	07/02/1998	360	4.3	0.89	1.7	2.3	5.7	NA	31.97	NA	NA	NA

S-9	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.45	21.41	NA
S-9	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	11.52	20.34	NA
S-9	11/09/1992	<50	<0.5	<0.5	<0.5	0.7	NA	NA	31.86	11.02	20.84	NA
S-9	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	8.00	23.86	NA
S-9	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.07	21.79	NA
S-9	08/13/1993	140	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.92	20.94	NA
S-9	11/18/1993	170	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	11.19	20.67	NA
S-9	02/10/1994	140	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	9.16	22.70	NA
S-9	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.03	21.83	NA
S-9	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	10.52	21.34	NA
S-9	11/08/1994	NA	NA	NA	NA	NA	NA	NA	31.86	9.08	22.78	NA
S-9	02/03/1995	NA	NA	NA	NA	NA	NA	NA	31.86	8.37	23.49	NA
S-9	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	31.86	9.35	22.51	NA
S-9	02/02/1996	NA	NA	NA	NA	NA	NA	NA	31.86	7.53	24.33	NA
S-9	05/04/1996	NA	NA	NA	NA	NA	NA	NA	31.86	9.60	22.26	NA
S-9	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	12	NA	31.86	10.46	21.40	NA
S-9	10/02/1996	NA	NA	NA	NA	NA	NA	NA	31.86	10.66	21.20	NA

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S-9	01/08/1997	NA	NA	NA	NA	NA	NA	NA	31.86	7.20	24.66	NA
S-9	04/17/1997	NA	NA	NA	NA	NA	NA	NA	31.86	9.96	21.90	NA
S-9	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	3.9	NA	31.86	10.64	21.22	NA
S-9	10/07/1997	NA	NA	NA	NA	NA	NA	NA	31.86	10.63	21.23	NA
S-9	04/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	31.86	8.69	23.17	NA
S-9	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	31.86	10.45	21.41	NA
S-9	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	31.86	10.90	20.96	NA

S-10	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.54	24.41	NA
S-10	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	10.43	22.52	NA
S-10	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	9.14	25.01	NA
S-10	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	6.72	26.23	NA
S-10	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.08	24.87	NA
S-10	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.83	24.12	NA
S-10	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	9.46	23.49	NA
S-10	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	7.41	25.54	NA
S-10	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.16	24.79	NA
S-10	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.29	24.66	NA
S-10	11/08/1994	NA	NA	NA	NA	NA	NA	NA	32.95	7.02	25.93	NA
S-10	02/03/1995	NA	NA	NA	NA	NA	NA	NA	32.95	6.79	26.16	NA
S-10	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	32.95	8.30	24.65	NA
S-10	02/02/1996	NA	NA	NA	NA	NA	NA	NA	32.95	6.49	26.46	NA
S-10	05/04/1996	NA	NA	NA	NA	NA	NA	NA	32.95	7.55	25.40	NA
S-10	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	32.95	9.25	23.70	NA
S-10	10/02/1996	NA	NA	NA	NA	NA	NA	NA	32.95	10.54	22.41	NA

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S-10	01/08/1997	NA	NA	NA	NA	NA	NA	NA	32.95	6.47	26.48	NA
S-10	04/17/1997	NA	NA	NA	NA	NA	NA	NA	32.95	7.78	25.17	NA
S-10	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	32.95	8.83	24.12	NA
S-10	10/07/1997	NA	NA	NA	NA	NA	NA	NA	32.95	8.89	24.06	NA
S-10	01/07/1998	NA	NA	NA	NA	NA	NA	NA	32.95	6.97	25.98	NA
S-10	04/02/1998	NA	NA	NA	NA	NA	NA	NA	32.95	6.96	25.99	NA
S-10	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	32.95	10.41	22.54	NA
S-10	10/01/1998	NA	NA	NA	NA	NA	NA	NA	32.95	11.03	21.92	NA
S-10	01/12/1999	NA	NA	NA	NA	NA	NA	NA	32.95	10.33	22.62	NA
S-10	04/19/1999	NA	NA	NA	NA	NA	NA	NA	32.95	9.72	23.23	NA
S-10	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	32.95	8.98	23.97	NA
S-10	10/06/1999	NA	NA	NA	NA	NA	NA	NA	32.95	9.15	23.80	NA

S-11	05/04/1992	1500	55	32	57	190	NA	NA	30.78	9.99	20.79	NA
S-11	08/10/1992	750	29	13	43	120	NA	NA	30.78	10.92	19.86	NA
S-11	11/09/1992	4100	32	62	120	1100	NA	NA	30.78	10.44	20.34	NA
S-11	02/23/1993	760	15	13	37	140	NA	NA	30.78	7.30	23.48	NA
S-11	06/07/1993	1700	40	16	100	360	NA	NA	30.78	9.51	21.27	NA
S-11	08/13/1993	60	0.9	<0.5	0.8	1.2	NA	NA	30.78	10.39	20.39	NA
S-11	11/18/1993	150	7.8	1.0	9.0	12	NA	NA	30.78	10.64	20.14	NA
S-11	02/10/1994	4400	53	19	160	390	NA	NA	30.78	8.50	22.28	NA
S-11	05/03/1994	65	1.5	<0.5	0.53	0.59	NA	NA	30.78	9.42	21.36	NA
S-11	08/01/1994	240	18	6.7	6.9	18	NA	NA	30.78	10.12	20.66	NA
S-11	11/08/1994	490	14	5.2	15	47	NA	NA	30.78	8.84	21.94	NA
S-11	02/03/1995	380	4.1	0.9	1.4	5.1	NA	NA	30.78	7.12	23.66	NA

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S-11	05/04/1995	110	1.3	<0.5	1.1	1.8	NA	NA	30.78	7.96	22.82	NA
S-11	08/02/1995	230	22	11	13	35	NA	NA	30.78	9.88	20.90	NA
S-11	11/02/1995	200	26	10	10	30	NA	NA	30.78	10.10	20.68	NA
S-11	02/02/1996	110	2.9	1.0	2.6	6.5	NA	NA	30.78	7.33	23.45	NA
S-11	05/04/1996	<50	0.70	0.54	0.82	2.6	7.5	NA	30.78	8.62	22.16	NA
S-11	08/02/1996	200	11	4.6	12	38	10	NA	30.78	9.85	20.93	NA
S-11	10/02/1996	290	20	6.2	16	48	8.4	NA	30.78	11.00	19.78	NA
S-11	01/08/1997	56	2.0	<0.50	1.0	5.8	5.2	NA	30.78	6.20	24.58	NA
S-11	04/17/1997	<50	0.88	<0.50	<0.50	<0.50	3.2	NA	30.78	8.81	21.97	NA
S-11	07/01/1997	610	50	5.9	24	110	3.1	NA	30.78	10.47	20.31	NA
S-11	10/07/1997	440	43	3.0	13	110	4.9	NA	30.78	10.32	20.46	NA
S-11	04/19/1999	<50.0	0.530	<0.500	<0.500	5.22	<5.00	NA	30.78	8.31	22.47	NA
S-11	07/09/1999	53	2.3	<0.50	<0.50	8.5	<2.5	NA	30.78	9.19	21.59	NA
S-11	10/06/1999	1210	39.1	<10.0	26.4	139	<100	NA	30.78	10.25	20.53	NA
S-11 (D)	06/07/1993	1600	51	16	83	300	NA	NA	30.78	NA	NA	NA
S-11 (D)	08/13/1993	70	2.1	<0.5	0.9	2.1	NA	NA	30.78	NA	NA	NA
S-11 (D)	10/07/1997	360	39	2.0	7.2	74	4.9	NA	30.78	NA	NA	NA
SR-1	05/04/1992	NA	NA	NA	NA	NA	NA	NA	NA	9.02	NA	NA
SR-1	08/10/1992	NA	NA	NA	NA	NA	NA	NA	NA	10.29	NA	NA
SR-1	11/09/1992	NA	NA	NA	NA	NA	NA	NA	NA	10.92	NA	NA
SR-1	02/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	6.64	NA	NA
SR-1	06/07/1993	NA	NA	NA	NA	NA	NA	NA	NA	7.36	NA	NA
SR-1	08/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	7.96	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
SR-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	10.02	NA	NA
SR-1	02/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	05/03/1994	NA	NA	NA	NA	NA	NA	NA	NA	8.28	NA	NA
SR-1	08/01/1994	NA	NA	NA	NA	NA	NA	NA	NA	7.98	NA	NA
SR-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	7.75	NA	NA
SR-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	7.20	NA	NA
SR-1	05/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	4.10	NA	NA
SR-1	08/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	5.31	NA	NA
SR-1	11/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.62	NA	NA
SR-1	02/02/1996	90	6.1	6.7	2.8	8.5	NA	NA	NA	7.30	NA	NA
SR-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	9.25	NA	NA
SR-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	7.18	NA	NA
SR-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	6.01	NA	NA
SR-1	07/01/1997	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
SR-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	7.45	NA	NA
SR-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	7.43	NA	NA
SR-1	07/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	9.87	NA	NA
SR-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.42	NA	NA
SR-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.24	NA	NA
SR-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	9.64	NA	NA
SR-1	07/09/1999	NA	NA	NA	NA	NA	NA	NA	NA	8.40	NA	NA
SR-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	9.30	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
2800 Telegraph Avenue
Oakland, CA
Wic #204-5508-2303

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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SR-1 (D)	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA
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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

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

a = Chromatogram pattern indicated the presence of an unidentified hydrocarbon.



November 8, 1999

Eva
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

RE: Equiva(2)/L910069

Dear Eva:

Enclosed are the revised results of analyses for sample(s) received by the laboratory on October 7, 1999. As per client's request Samples MW7, MW8 and MW9 have been changed to S7, S8 and S9.

If there are any questions please feel free to call.

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Project: Equiva(2)
Project Number: 991006-M1, 2800 Telegraph Avenue/
Project Manager: Ann Pember

Sampled: 10/6/99
Received: 10/7/99
Reported: 10/21/99

ANALYTICAL REPORT FOR L910069

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-7	L910069-01	Water	10/6/99
S-8	L910069-02	Water	10/6/99
S-9	L910069-03	Water	10/6/99
MW-11	L910069-04	Water	10/6/99





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva(2) Project Number: 991006-M1, 2800 Telegraph Avenue Project Manager: Ann Pember	Sampled: 10/6/99 Received: 10/7/99 Reported: 10/21/99
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Sample Description: S-7
Laboratory Sample Number: L910069-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	9100089	10/18/99	10/19/99		50.0	216	ug/l	1
Benzene	"	"	"		0.500	5.04	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	2.23	"	
Xylenes (total)	"	"	"		0.500	4.82	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		84.2	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva(2) Project Number: 991006-M1, 2800 Telegraph Avenue Project Manager: Ann Pember	Sampled: 10/6/99 Received: 10/7/99 Reported: 10/21/99
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Sample Description: S-8
Laboratory Sample Number: L910069-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	9100089	10/18/99	10/19/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		87.4	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva(2) Project Number: 991006-M1, 2800 Telegraph Avenue Project Manager: Ann Pember	Sampled: 10/6/99 Received: 10/7/99 Reported: 10/21/99
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Sample Description: S-9
Laboratory Sample Number: L910069-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	9100090	10/18/99	10/18/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		81.7	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva(2) Project Number: 991006-M1, 2800 Telegraph Avenue Project Manager: Ann Pember	Sampled: 10/6/99 Received: 10/7/99 Reported: 10/21/99
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Sample Description: MW-11
Laboratory Sample Number: L910069-04

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	9100090	10/18/99	10/19/99		1000	1210	ug/l	1
Benzene	"	"	"		10.0	39.1	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	26.4	"	
Xylenes (total)	"	"	"		10.0	139	"	
Methyl tert-butyl ether	"	"	"		100	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		77.2	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva(2) Project Number: 991006-M1, 2800 Telegraph Avenue Project Manager: Ann Pember	Sampled: 10/6/99 Received: 10/7/99 Reported: 10/21/99
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Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 9100089	Date Prepared: 10/18/99	Extraction Method: EPA 5030B [P/T]								
Blank	9100089-BLK1									
Purgeable Hydrocarbons as Gasoline	10/18/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.99	"	70.0-130	89.9			

LCS	9100089-BS1									
Benzene	10/18/99	10.0		7.90	ug/l	70.0-130	79.0			
Toluene	"	10.0		7.82	"	70.0-130	78.2			
Ethylbenzene	"	10.0		7.88	"	70.0-130	78.8			
Xylenes (total)	"	30.0		23.6	"	70.0-130	78.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.73	"	70.0-130	77.3			

LCS	9100089-BS2									
Purgeable Hydrocarbons as Gasoline	10/18/99	250		241	ug/l	70.0-130	96.4			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.55	"	70.0-130	75.5			

Matrix Spike	9100089-MS1	L910045-10								
Purgeable Hydrocarbons as Gasoline	10/18/99	250	ND	245	ug/l	60.0-140	98.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.07	"	70.0-130	90.7			

Matrix Spike Dup	9100089-MSD1	L910045-10								
Purgeable Hydrocarbons as Gasoline	10/18/99	250	ND	250	ug/l	60.0-140	100	25.0	2.02	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.90	"	70.0-130	89.0			

Batch: 9100090	Date Prepared: 10/18/99	Extraction Method: EPA 5030B [P/T]								
Blank	9100090-BLK1									
Purgeable Hydrocarbons as Gasoline	10/18/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.14	"	70.0-130	81.4			

LCS	9100090-BS1									
Benzene	10/18/99	10.0		7.69	ug/l	70.0-130	76.9			
Toluene	"	10.0		7.31	"	70.0-130	73.1			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva(2) Project Number: 991006-M1, 2800 Telegraph Avenue Project Manager: Ann Pember	Sampled: 10/6/99 Received: 10/7/99 Reported: 10/21/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<u>LCS (continued)</u>										
	<u>9100090-BS1</u>									
Ethylbenzene	10/18/99	10.0		7.41	ug/l	70.0-130	74.1			
Xylenes (total)	"	30.0		21.7	"	70.0-130	72.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.36	"	70.0-130	73.6			
<u>LCS</u>										
	<u>9100090-BS2</u>									
Purgeable Hydrocarbons as Gasoline	10/18/99	250		242	ug/l	70.0-130	96.8			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.67	"	70.0-130	86.7			
<u>Matrix Spike</u>										
	<u>9100090-MS1</u>		<u>L910040-04</u>							
Purgeable Hydrocarbons as Gasoline	10/18/99	250	ND	252	ug/l	60.0-140	101			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.80	"	70.0-130	88.0			
<u>Matrix Spike Dup</u>										
	<u>9100090-MSD1</u>		<u>L910040-04</u>							
Purgeable Hydrocarbons as Gasoline	10/18/99	250	ND	251	ug/l	60.0-140	100	25.0	0.995	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.79	"	70.0-130	87.9			





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Project: Equiva(2)
Project Number: 991006-M1, 2800 Telegraph Avenue
Project Manager: Ann Pember

Sampled: 10/6/99
Received: 10/7/99
Reported: 10/21/99

Notes and Definitions

#	Note
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1	Chromatogram Pattern: Gasoline C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference



BLAINE

TECH SERVICES INC.

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

CHAIN OF CUSTODY

CLIENT: Equiva - Karen Petryna

SITE: 2800 Telegraph Avenue
 Oakland, CA

991006-m-1

CONDUCT ANALYSIS TO DETECT					
TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010
C - COMPOSITE ALL CONTAINERS					
X	X				
X	X				
X	X				
X	X				

LAB SEQUOIA DHS #

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

EPA RWOCB REGION

LIA

OTHER

6910069

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97093398

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLE I.D.	DATE	TIME	MATRIX S = SOIL W = H2O	TOTAL	CONTAINERS	C - COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
							TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010					
MW-7	10-6-99	1040	W	3	HW Vials		X	X									
MW-8		1100		3			X	X									
MW-9		1120		3			X	X									
MW-11		1135		3			X	X									

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	Mark N. Sorenson	RESULTS NEEDED NO LATER THAN
RELEASED BY	DATE	TIME	RECEIVED BY	10-7	9:37
RELEASED BY	DATE	TIME	RECEIVED BY	10/9/99	1205
RELEASED BY	DATE	TIME	RECEIVED BY	10/8/99	1015
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

BLAINE

TECH SERVICES INC.

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

CHAIN OF CUSTODY

CLIENT: Equiva - Karen Petryna

SITE: 2800 Telegraph Avenue
 Oakland, CA

991006-m-1

SAMPLE I.D.	DATE	TIME	MATRIX S = SOIL W = H ₂ O	CONTAINERS		C = COMPOSITE ALL CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010
				TOTAL	REMARKS							
MW-7	10-6-99	1040	W	3	42 Vials		X	X				
MW-8		1100		3			X	X				
MW-9		1120		3			X	X				
MW-11		1135		3			X	X				

CONDUCT ANALYSIS TO DETECT

LAB SEQUOIA DHS #

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

EPA RWQCB REGION

LIA

OTHER

6910069

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97093398

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	10-6-99	1100	Mark N. Sorenson		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Mark N. Sorenson	10/7/99	9:35	[Signature]	10-7	9:57
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[Signature]	10/7/99	1205	[Signature]	10/7/99	1205
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[Signature]	10/7/99	1205	[Signature]	10/8/99	1015
ED VIA	DATE SENT	TIME SENT	COOLER #		

EQUIVA WELL MONITORING DATA SHEET

Project #: 991006M-1	Job # 204-5508-2303
Sampler: Mark S.	Date: 10-6-99
Well I.D.: 2 4 6 8 5-7	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 30.54	Depth to Water: 11.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

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

Purge Method: No-Purge Bailer Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer Extraction Port Other: disposable Bailer

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume	Gals.
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Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
10:40	70.6	5.8	637.0	10	No-Purge	

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Time: 10:40 Sampling Date: 10-6-99

Sample I.D.: MW-7 Laboratory: Sequoia BC Other: _____

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

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

EQUIVA WELL MONITORING DATA SHEET

Project #: 991006 M-1	Job # 204-5508-2303
Sampler: Marks	Date: 10-6-99
Well I.D.: XXXXXX S-B	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 19.00	Depth to Water: 10.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Sampling Method: Bailer

Middleburg Extraction Port

No - Purge Electric Submersible Other: disposable bailer

Extraction Pump

Other: _____

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:00	71.4	5.8	697.0	10	NO Purge	

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Time: 11:00 Sampling Date: 10-6-99

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

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

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

SHELL WELL MONITORING DATA SHEET

Project #: <u>991006M-1</u>	WIC #: <u>204-5508-2303</u>
Sampler: <u>Mark S</u>	Date: <u>10-6-99</u>
Well I.D.: XXXXXX <u>5-9</u>	Well Diameter: 2 (3) 4 6 8 _____
Total Well Depth: <u>30.10</u>	Depth to Water: <u>10.90</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

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

Purge Method: No Purge Bailer Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Dispersible Bailer Bailer Extraction Port

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1120	69.1	6.5	675.	5.0	No Purge	

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Time: 1120 Sampling Date: 10-6-99

Sample I.D.: MW-9 Laboratory: Sequoia Crosby

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

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:	mg/L
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SHELL WELL MONITORING DATA SHEET

Project #: <u>991006 MW-1</u>	WIC #: <u>204-5508-2303</u>
Sampler: <u>Mark S.</u>	Date: <u>10-6-99</u>
Well I.D.: <u>MW-11 S-11</u>	Well Diameter: 2 <u>(3)</u> 4 6 8 <u> </u>
Total Well Depth: <u>19.15</u>	Depth to Water: <u>10.25</u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: PVC <u>(Grade)</u>	D.O. Meter (if req'd): YSI HACH

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

Purge Method: No Purge Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Sampling Method: Bailer
 Extraction Port
 Other: Disposable Bailer

Other:

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1135	68.9	6.2	560	10	No Purge	

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Time: 1135 Sampling Date: 10-6-99

Sample I.D.: MW-11 Laboratory: Sequoia Crosby

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

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:	mg/L
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