R0426

CAMBRIA

MAY 09 2002

May 6, 2002

Barney Chan
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Re: **First Quarter 2002 Groundwater Monitoring Report**
BP Oil Site No. 11109
4280 Foothill Boulevard
Oakland, California
Cambria Project No. 852-1741

Dear Mr. Chan:

On behalf of BP Oil Company, Cambria Environmental Technology, Inc. has prepared this *First Quarter 2002 Groundwater Monitoring Report* for the above referenced site. This report summarizes chemical data collected since 1990 including analytical results associated with samples recently collected on March 8, 2002 and results from a second gauging event on March 18, 2002.

Water level and analytical results for this monitoring event are summarized in Figure 1 and on Table 1 of Appendix A. Based on the contoured elevations, water generally flowed toward the northeast beneath the site and toward the southeast offsite. During this monitoring event, well MW-5 reported 1.5 feet of separate phase hydrocarbon, which was removed by hand bailing. Only well MW-5 reported more than 1,000 micrograms per liter (µg/L) of benzene, with a concentration of 8,240 µg/L. Wells MW-3 and MW-5 reported more than 10 µg/L of methyl tert butyl ether (MTBE) with a maximum concentration of 34.3 µg/L in well MW-5.

Benzene and MTBE concentrations and water level trends for well MW-5 are shown in Figure 2. Analytical results below method reporting limits are plotted at one half the detection limit (open symbol).

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

CAMBRIA

We appreciate the opportunity to work with you on this project. If you have any questions or comments, please don't hesitate to call me at (510) 450-1985.

Sincerely,
Cambria Environmental Technology, Inc.

Khaled Rahman, R.G., C.H.G.
Associate Geologist

REGISTERED GEOLOGIST
KHALED B. RAHMAN
No. 0261
CERTIFIED
HYDROGEOLOGIST
Exp. 7/31/03
STATE OF CALIFORNIA

Attachments

Figure 1 – Groundwater Elevation Contour Map
Figure 2 – Concentration and Water Level Trends – Well MW-5

Appendix A – Blaine Tech Services, Inc., 1st Quarter 2002 Monitoring at 11109

cc: Scott Hooton, BP Oil Company, Environmental Resources Management, 295 SW 41st Street, Building 13, Suite N, Renton, Washington 98055-4931 (1 original)
Dave Camille, Tosco Marketing Company, 2000 Crow Canyon Place, Suite 400, San Ramon, California 95118-3686 (1 copy)
Phil Briggs, Chevron Products Company, P.O. Box 5004, San Ramon, California 94583-0804 (1 copy)
Chris Jimmerson, Delta Environmental Consultants, 3174 Gold Camp Drive, Rancho Cordova, California 95670-6021 (1 copy)

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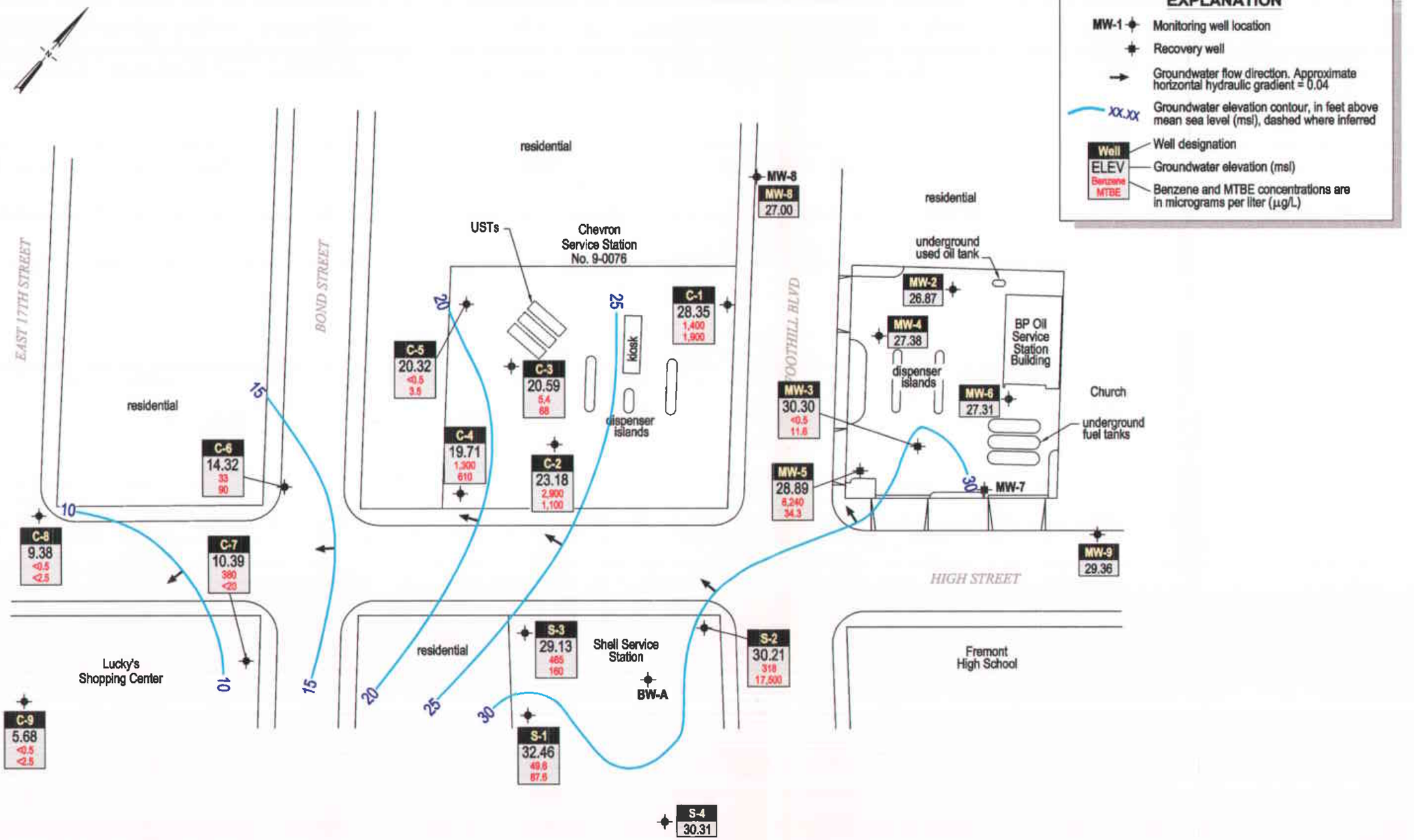
FIGURES

04/27/02

Groundwater Elevation Contour Map

March 8, 2002



FIGURE

1

BP Oil Site No. 11109
4280 Foothill Boulevard
Oakland, California

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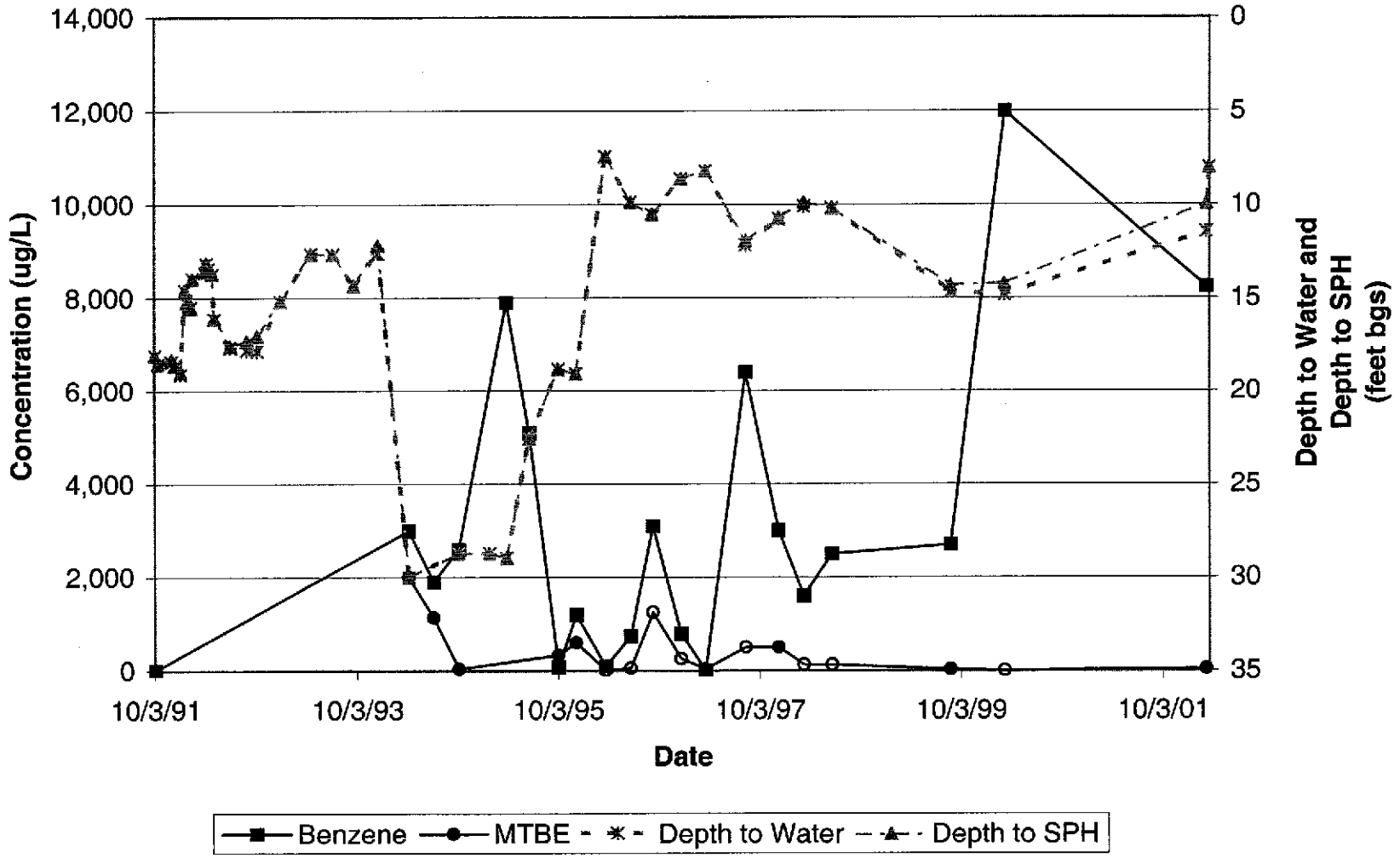
Concentration and Water Level Trends
Well MW-5



BP Oil Site No. 11109
4280 Foothill Boulevard
Oakland, California

Cambria Environmental Technology, Inc.

Figure 2

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APPENDIX A

Blaine Tech Services, Inc.
1st Quarter 2002 Monitoring

BLAINE
TECH SERVICES INC.

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

April 16, 2002

Scott Hooton
BP Oil Company
295 SW 41st Street, Bldg. 13, Suite N
Renton, WA 98055-4931

1st Quarter 2002 Monitoring at 11109

First Quarter 2002 Groundwater Monitoring
BP Service Station Number 11109
4280 Foothill Blvd.
Oakland, CA

Monitoring Performed on March 8 and 18, 2002

Groundwater Sampling Report **020308-DW-2**

This report covers the routine monitoring of groundwater wells at this BP facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling 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, the calculated purge volume, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Seaport Petroleum Corporation for disposal.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS.** The full analytical report for the most recent samples is located in the **Analytical Appendix**.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon 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,

Francis Thie
Vice President

FPT/mb

Cc: Khaled B. Rahman
Cambria Environmental Technology, Inc.
6262 Hollis Street
Emeryville, CA 94608

attachments: Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Table of
Well Data and
Analytical Results

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-1	01/31/90	38.19	15.41	---	22.78	---	---	---	---	---	---	---	---	---	---	---
MW-1 (c)	02/05/90	38.19	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/05/90	41.22	21.90	---	19.31	1300	---	14	ND<0.1	9	13	---	---	---	---	SUP
MW-2	02/14/91	41.22	21.16	---	20.06	ND<50	ND<10000	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	51 (d)	---	SUP
MW-2	05/13/91	41.22	21.32	---	19.90	ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	6000	0.5 (e)	---	SUP
MW-2	07/24/91	41.22	22.92	---	18.30	---	---	---	---	---	---	---	---	---	---	---
MW-2	10/03/91	41.22	24.90	---	16.32	ND<50	ND<50	ND<0.3	0.8	ND<0.3	ND<0.3	---	ND<5000	0.7 (e)	---	SUP
MW-2	10/15/91	41.22	24.10	---	17.12	---	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	12/04/91	41.22	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/16/91	41.22	23.95	---	17.27	---	---	---	---	---	---	---	---	---	---	---
MW-2	01/06/92	41.22	23.30	---	17.92	ND<50	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	ND<5000	ND	---	ANA
MW-2	01/22/92	41.22	23.14	---	18.08	---	---	---	---	---	---	---	---	---	---	---
MW-2	01/28/92	41.22	22.99	---	18.23	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/05/92	41.22	22.63	---	18.59	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/12/92	41.22	22.04	---	19.18	---	---	---	---	---	---	---	---	---	---	---
MW-2	02/17/92	41.22	20.84	---	20.38	---	---	---	---	---	---	---	---	---	---	---
MW-2	04/03/92	41.22	18.29	---	22.93	---	---	---	---	---	---	---	---	---	---	---
MW-2	04/08/92	41.22	18.86	---	22.36	ND<50	63	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	ND<5000	ND	---	ANA
MW-2	04/14/92	41.22	19.45	---	21.77	---	---	---	---	---	---	---	---	---	---	---
MW-2	04/29/92	41.22	20.35	---	20.87	---	---	---	---	---	---	---	---	---	---	---
MW-2	05/07/92	41.22	20.84	---	20.38	---	---	---	---	---	---	---	---	---	---	---
MW-2	07/03/92	41.22	22.34	---	18.88	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	10/08/92	41.22	23.73	---	17.49	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	12/31/92	41.22	21.12	---	20.10	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	04/21/93	41.22	17.68	---	23.54	ND<50	ND<50 (g)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n) ND<5000	ND	---	PACE
MW-2	07/07/93	41.22	20.30	---	20.92	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n) ---	1.0 (e)	---	PACE
MW-2	09/21/93	41.22	21.93	---	19.29	ND<50	---	0.9	0.7	1	2.6	21.54	(n) ---	---	---	PACE
MW-2	12/17/93	41.22	21.48	---	19.74	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/23/93	41.22	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.7	---	(n) ---	---	---	PACE
MW-2	04/07/94	41.22	20.25	---	20.97	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12.2	(n) ---	---	5.9	PACE
MW-2	07/06/94	41.22	20.59	---	20.63	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n) ---	---	3.1	PACE
MW-2	10/07/94	41.22	22.04	---	19.18	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15.2	(n) ---	---	2.8	PACE
MW-2	01/27/95	41.22	26.12	---	15.10	ND<50	440	ND<0.5	ND<0.5	ND<0.5	ND<1	---	ND<5000	---	4.8	ATI
MW-2	03/30/95	41.22	12.34	---	28.88	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	7.2	ATI
MW-2	06/20/95	41.22	16.42	---	24.80	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	6.0	ATI
MW-2	10/03/95	41.22	20.06	---	21.16	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	5.7	ATI

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-2	12/06/95	41.22	21.31	---	19.91	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	46	---	---	5.4	ATI
MW-2	03/21/96	41.22	12.28	---	28.94	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	---	7.4	SPL
MW-2	06/21/96	41.22	13.28	---	27.94	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	7.3	SPL
MW-2	09/06/96	41.22	13.94	---	27.28	---	---	---	---	---	---	---	---	---	---	---
MW-2	09/09/96	41.22	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.4	SPL
MW-2	12/19/96	41.22	12.19	---	29.03	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.9	SPL
MW-2	03/17/97	41.22	11.59	---	29.63	---	---	---	---	---	---	---	---	---	---	---
MW-2	08/12/97	41.22	13.21	---	28.01	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/10/97	41.22	12.34	---	28.88	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/12/98	41.22	11.04	---	30.18	---	---	---	---	---	---	---	---	---	---	---
MW-2	06/23/98	41.22	11.77	---	29.45	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/31/99	41.22	12.38	---	28.84	---	---	---	---	---	---	---	---	---	---	---
MW-2	08/25/99	41.22	17.72	---	23.50	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/09/00	41.22	11.94	---	29.28	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/08/01	41.22	10.31	---	30.91	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/08/02	41.22	14.35	---	26.87	---	---	---	---	---	---	---	---	---	---	---
MW-2	03/18/02	41.22	13.11	---	28.11	---	---	---	---	---	---	---	---	---	---	---

MW-2 return

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)		HVOC (ug/l)	DO (ppm)	LAB
MW-3	02/05/90	40.74	17.45	---	23.29	1400	---	15	ND<2.5	11	8	---		---		---	---	SUP
MW-3	02/14/91	40.74	18.52	---	22.22	320	---	8	ND<0.3	8	1	---		---		---	---	SUP
MW-3	05/13/91	40.74	19.32	---	21.42	640	---	13	ND<0.3	18	1	---		---		---	---	SUP
MW-3	07/24/91	40.74	20.69	---	20.05	---	---	---	---	---	---	---		---		---	---	---
MW-3	10/03/91	40.74	19.47	---	21.27	940	---	21	ND<0.3	23	2.1	---		---		---	---	SUP
MW-3	10/15/91	40.74	20.46	---	20.28	---	---	---	---	---	---	---		---		---	---	---
MW-3	12/04/91	40.74	18.29	---	22.45	---	---	---	---	---	---	---		---		---	---	---
MW-3	12/16/91	40.74	18.34	---	22.40	---	---	---	---	---	---	---		---		---	---	---
MW-3	01/06/92	40.74	18.50	---	22.24	580	---	6.1	1	6	7.1	---		---		---	---	ANA
MW-3	01/22/92	40.74	17.86	---	22.88	---	---	---	---	---	---	---		---		---	---	---
MW-3	01/28/92	40.74	15.84	---	24.90	---	---	---	---	---	---	---		---		---	---	---
MW-3	02/05/92	40.74	17.53	---	23.21	---	---	---	---	---	---	---		---		---	---	---
MW-3	02/12/92	40.74	17.15	---	23.59	---	---	---	---	---	---	---		---		---	---	---
MW-3	02/17/92	40.74	16.18	---	24.56	---	---	---	---	---	---	---		---		---	---	---
MW-3	04/03/92	40.74	14.80	---	25.94	---	---	---	---	---	---	---		---		---	---	---
MW-3	04/08/92	40.74	17.06	---	23.68	1100	---	30	4.6	32	11	---		---		---	---	ANA
MW-3	04/14/92	40.74	15.22	---	25.52	---	---	---	---	---	---	---		---		---	---	---
MW-3	04/29/92	40.74	15.90	---	24.84	---	---	---	---	---	---	---		---		---	---	---
MW-3	05/07/92	40.74	16.35	---	24.39	---	---	---	---	---	---	---		---		---	---	---
MW-3	07/03/92	40.74	17.74	---	23.00	1200	---	38	ND<2.5	24	ND<2.5	---		---		---	---	ANA
MW-3	10/08/92	40.74	19.06	---	21.68	1400	---	31	ND<0.5	25	13	---		---		---	---	ANA
MW-3	12/31/92	40.74	16.61	---	24.13	820	---	12	4.1	13	5.9	---		---		---	---	ANA
QC-1 (h)	12/31/92	---	---	---	---	960	---	11	3.6	10	3.8	---		---		---	---	ANA
MW-3	04/21/93	40.74	14.24	---	26.50	420	---	5.6	ND<0.5	4	1.4	---	(n)	---		---	---	PACE
QC-1 (h)	04/21/93	---	---	---	---	390	---	5.0	ND<0.5	4	1.5	---	(n)	---		---	---	PACE
MW-3	07/07/93	40.13 (i)	15.19	---	24.94	54	---	0.6	0.6	ND<0.5	ND<0.5	12.68	(n)	---		---	---	PACE
MW-3	09/21/93	40.13	16.58	---	23.55	540	---	7.9	0.9	5	2.4	---	(n)	---		---	---	PACE
MW-3	12/17/93	40.13	15.82	---	24.31	---	---	---	---	---	---	---		---		---	---	---
MW-3	12/23/93	40.13	---	---	---	500	---	9.8	1.5	3	2.1	---	(n)	---		---	---	PACE
QC-1 (h)	12/23/93	---	---	---	---	480	---	9.2	ND<0.5	5	5.3	---		---		---	---	PACE
MW-3	04/07/94	40.13	28.50	---	11.63	460	---	20	7.4	9	11	18.2	(n)	---		---	---	PACE
QC-1 (h)	04/07/94	---	---	---	---	460	---	20	7.7	9	11	---		---		---	---	PACE
MW-3	07/06/94	40.13	---	---	---	300	---	10	0.6	2	6.4	5.54	(n)	---		---	4.8	PACE
MW-3	10/07/94	40.13	27.65	---	12.48	620	---	28	ND<0.5	2	12	31.4	(n)	31	(j)	---	4.4	PACE
MW-3	01/27/95	40.13	27.65	---	12.48	---	---	---	---	---	---	---		---		---	---	---
MW-3	03/30/95	40.13	26.05	---	14.08	300	---	10	6.0	3	18	---		---		---	7.6	ATI
MW-3	06/20/95	40.13	19.49	---	20.64	170	---	7.2	3.4	1	15	---		---		---	---	ATI

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-3	10/03/95	40.13	24.93	---	15.20	170	---	2.1	ND<0.50	1	8.0	6.7	---	---	---	ATI
MW-3	12/06/95	40.13	25.14	---	14.99	1700	---	6.7	3.1	3	210	64	---	---	---	ATI
QC-1 (h)	12/06/95	---	---	---	---	1400	---	6.1	3.0	2	190	53	---	---	---	ATI
MW-3	03/21/96	40.13	9.48	---	30.65	ND<50	---	0.5	ND<1	ND<1	1	ND<10	---	---	7.3	SPL
MW-3	06/21/96	40.13	11.60	---	28.53	ND<50	---	13	ND<1	ND<1	ND<1	12	---	---	7.6	SPL
MW-3	09/06/96	40.13	12.23	---	27.90	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/09/96	40.13	---	---	---	ND<250	---	6.5	ND<5.0	ND<5.0	ND<5.0	ND<50	---	---	7.6	SPL
MW-3	12/19/96	40.13	10.46	---	29.67	ND<50	---	4.1	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	8.4	SPL
MW-3	03/17/97	40.13	9.86	---	30.27	50	---	ND<5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.4	SPL
MW-3	08/12/97	40.13	12.11	---	28.02	ND<50	---	0.79	ND<1.0	ND<1.0	ND<1.0	10	---	---	6.1	SPL
MW-3	12/10/97	40.13	10.90	---	29.23	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	3.2	SPL
MW-3	03/12/98	40.13	10.20	---	29.93	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	6.3	SPL
QC-1 (h)	03/12/98	---	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	---	SPL
MW-3	06/23/98	40.13	10.17	---	29.96	50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	3.4	SPL
MW-3	03/31/99	40.13	11.45	---	28.68	60	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	6.2	---	---	---	SPL
MW-3	08/25/99	40.13	12.52	---	27.61	ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	7.7	---	---	---	SPL
MW-3	03/09/00	40.13	12.39	---	27.74	ND<50	---	ND<0.5	0.54	ND<0.5	1.7	6.3	---	---	---	PACE
MW-3	03/08/01	40.13	10.41	---	29.72	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.59	7.7	---	---	---	PACE
MW-3	03/08/02	40.13	9.83	---	30.30	62	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	11.6	---	---	---	PACE
MW-3	03/18/02	40.13	9.20	---	30.93	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-4	02/05/90	40.11	20.75	---	19.36	620	---	ND<0.5	9	ND<0.5	10	---		---	---	---	SUP
MW-4	02/14/91	40.11	21.73	---	18.38	180	---	ND<0.3	ND<0.3	0.4	2	---		---	---	---	SUP
MW-4	05/13/91	40.11	18.55	---	21.56	72	---	0.7	ND<0.3	ND<0.3	ND<0.3	---		---	---	---	SUP
MW-4	07/24/91	40.11	21.31	---	18.80	---	---	---	---	---	---	---		---	---	---	---
MW-4	10/03/91	40.11	22.57	---	17.54	57	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---		---	---	---	SUP
MW-4	10/15/91	40.11	22.88	---	17.23	---	---	---	---	---	---	---		---	---	---	---
MW-4	12/04/91	40.11	22.54	---	17.57	---	---	---	---	---	---	---		---	---	---	---
MW-4	12/16/91	40.11	22.59	---	17.52	---	---	---	---	---	---	---		---	---	---	---
MW-4	01/06/92	40.11	22.00	---	18.11	480	---	0.8	3.2	2	7.7	---		---	---	---	ANA
MW-4	01/22/92	40.11	21.58	---	18.53	---	---	---	---	---	---	---		---	---	---	---
MW-4	01/28/92	40.11	21.42	---	18.69	---	---	---	---	---	---	---		---	---	---	---
MW-4	02/05/92	40.11	21.10	---	19.01	---	---	---	---	---	---	---		---	---	---	---
MW-4	02/12/92	40.11	20.74	---	19.37	---	---	---	---	---	---	---		---	---	---	---
MW-4	02/17/92	40.11	19.78	---	20.33	---	---	---	---	---	---	---		---	---	---	---
MW-4	04/03/92	40.11	16.80	---	23.31	---	---	---	---	---	---	---		---	---	---	---
MW-4	04/08/92	40.11	17.13	---	22.98	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-4	04/14/92	40.11	17.74	---	22.37	---	---	---	---	---	---	---		---	---	---	---
MW-4	04/29/92	40.11	18.56	---	21.55	---	---	---	---	---	---	---		---	---	---	---
MW-4	05/07/92	40.11	19.10	---	21.01	---	---	---	---	---	---	---		---	---	---	---
MW-4	07/03/92	40.11	20.71	---	19.40	ND<50	---	0.6	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-4	10/08/92	40.11	22.43	---	17.68	270	---	ND<0.5	2.1	3	3.2	---		---	---	---	ANA
MW-4	12/31/92	40.11	19.58	---	20.53	150	---	ND<0.5	ND<0.5	ND<0.5	1.3	---		---	---	---	ANA
MW-4	04/21/93	40.11	17.79	---	22.32	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	---	PACE
MW-4	07/07/93	40.11	18.44	---	21.67	160	---	1.2	5.4	4	19	5.51	(n)	---	---	---	PACE
MW-4	09/21/93	40.11	20.14	---	19.97	71	---	ND<0.5	1.9	ND<0.5	2.1	---	(n)	---	---	---	PACE
MW-4	12/17/93	40.11	19.80	---	20.31	---	---	---	---	---	---	---		---	---	---	---
MW-4	12/23/93	40.11	---	---	---	ND<50	---	3.1	1.6	1	3.8	5.7	(n)	---	---	---	PACE
MW-4	04/07/94	40.11	19.12	---	20.99	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.7	(n)	---	---	6.6	PACE
MW-4	07/06/94	40.11	19.90	---	20.21	62	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	4.1	PACE
MW-4	10/07/94	40.11	20.07	---	20.04	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.38	(n)	---	---	3.6	PACE
MW-4	01/27/95	40.11	13.72	---	26.39	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	2.7	ATI
MW-4	03/30/95	40.11	11.46	---	28.65	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	8.3	ATI
MW-4	06/20/95	40.11	14.78	---	25.33	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	ATI
MW-4	10/03/95	40.11	19.62	---	20.49	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	5.0		---	---	5.8	ATI
MW-4	12/06/95	40.11	19.91	---	20.20	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	47		---	---	5.7	ATI
MW-4	03/21/96	40.11	11.12	---	28.99	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	7.8	SPL
MW-4	06/21/96	40.11	12.21	---	27.90	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	7.9	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-4	09/06/96	40.11	12.89	---	27.22	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/09/96	40.11	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.2	SPL
MW-4	12/19/96	40.11	11.01	---	29.10	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	8.4	SPL
MW-4	03/17/97	40.11	10.42	---	29.69	---	---	---	---	---	---	---	---	---	---	---
MW-4	08/12/97	40.11	12.77	---	27.34	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/10/97	40.11	11.22	---	28.89	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/12/98	40.11	10.81	---	29.30	---	---	---	---	---	---	---	---	---	---	---
MW-4	06/23/98	40.11	10.61	---	29.50	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/31/99	40.11	11.46	---	28.65	---	---	---	---	---	---	---	---	---	---	---
MW-4	08/25/99	40.11	16.16	---	23.95	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/09/00	40.11	12.23	---	27.88	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/08/01	40.11	11.04	---	29.07	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/08/02	40.11	12.73	---	27.38	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/18/02	40.11	11.62	---	28.49	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-5	10/03/91	39.55	18.08	---	21.47	79000	---	13000	7400	1400	6200	---	---	---	---	SUP
MW-5	10/15/91	39.55	18.55	---	21.00	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/04/91	39.55	18.44	0.13	21.21	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/16/91	39.55	18.66	0.01	20.90	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/06/92	39.55	19.12	0.11	20.51	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/22/92	39.55	14.59	---	24.96	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/28/92	39.55	15.25	---	24.30	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/05/92	39.55	15.58	SHEEN	23.97	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/12/92	39.55	15.54	0.01	24.02	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/17/92	39.55	13.98	SHEEN	25.57	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/03/92	39.55	13.63	0.04	25.95	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/08/92	39.55	13.17	0.01	26.39	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/14/92	39.55	13.45	0.01	26.11	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/29/92	39.55	13.75	0.07	25.85	---	---	---	---	---	---	---	---	---	---	---
MW-5	05/07/92	39.55	16.15	0.04	23.43	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/03/92	39.55	17.67	0.08	21.94	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/01/92	39.55	17.83	0.50	22.10	---	---	---	---	---	---	---	---	---	---	---
MW-5	10/08/92	39.55	17.86	0.92	22.38	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/31/92	39.55	15.20	SHEEN	24.35	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/21/93	39.55	12.64	0.02	26.93	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/07/93	39.14 (i)	12.68	0.82	27.08	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/21/93	39.14	14.35	SHEEN	24.79	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/17/93	39.14	12.61	0.41	26.84	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/07/94	39.14	30.00	---	9.14	66000	---	3000	1700	250	6800	2002 (n)	---	---	---	PACE
MW-5	07/06/94	39.14	---	---	---	29000	---	1900	330	63	2700	1141 (n)	---	---	---	PACE
MW-5	10/07/94	39.14	28.70	---	10.44	250000	---	2600	660	830	5200	37.7 (n)	---	---	4.2	PACE
QC-1 (h)	10/07/94	---	---	---	---	45000	---	2900	540	260	2600	---	---	---	---	PACE
MW-5	01/27/95	39.14	28.70	---	10.44	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/30/95	39.14	28.95	---	10.19	50000	---	7900	2600	520	6400	---	---	---	5.5	ATI
QC-1 (h)	03/30/95	---	---	---	---	43000	---	7900	2500	440	6200	---	---	---	---	ATI
MW-5	06/20/95	39.14	22.54	---	16.60	34000	---	5100	1900	300	3700	---	---	---	---	ATI
QC-1 (h)	06/20/95	---	---	---	---	26000	---	3500	290	ND<25	3300	---	---	---	---	ATI
MW-5	10/03/95	39.14	18.84	---	20.30	12000	---	68	42	11	1600	330	---	---	---	ATI
QC-1 (h)	10/03/95	---	---	---	---	12000	---	46	39	10	1600	320	---	---	---	ATI
MW-5	12/06/95	39.14	19.07	---	20.07	16000	---	1200	93	51	700	600	---	---	---	ATI
MW-5	03/21/96	39.14	7.43	---	31.71	1500	---	89	28	6	250	ND<10	---	---	7.2	SPL
QC-1 (h)	03/21/96	---	---	---	---	1900	---	92	30	7	270	ND<10	---	---	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-5	06/21/96	39.14	9.87	---		3500	---	740	150	19	400	ND<100	---	---	7.1	SPL
QC-1 (h)	06/21/96	---	---	---	---	2700	---	680	140	20	400	ND<50	---	---	---	SPL
MW-5	09/06/96	39.14	10.52	---	28.62	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/09/96	39.14	---	---	---	82000	---	3100	1700	850	9100	ND<2500	---	---	7.5	SPL
QC-1 (h)	09/09/96	---	---	---	---	90000	---	2900	1600	670	6900	ND<2500	---	---	---	SPL
MW-5	12/19/96	39.14	8.62	---	30.52	41000	---	790	820	120	2040	ND<500	---	---	7.7	SPL
QC-1 (h)	12/19/96	---	---	---	---	26000	---	490	430	63	1140	ND<500	---	---	---	SPL
MW-5	03/17/97	39.14	8.22	---	30.92	5500	---	1.9	2.4	ND<1.0	ND<1.0	29	---	---	6.4	SPL
QC-1 (h)	03/17/97	---	---	---	---	6600	---	2.5	2.7	ND<1.0	ND<1.0	28	---	---	---	SPL
MW-5	08/12/97	39.14	12.18	0.22	27.13	33000	---	6400	2400	680	4400	ND<1000	---	---	6.8	SPL
QC-1 (h)	08/12/97	---	---	---	---	36000	---	6100	2500	720	4500	ND<500	---	---	---	SPL
MW-5	12/10/97	39.14	10.78	0.06	28.41	31000	---	3000	2500	560	5100	500	---	---	1.8	SPL
QC-1 (h)	12/10/97	---	---	---	---	37000	---	2900	2500	440	4800	---	---	---	---	SPL
MW-5	03/12/98	39.14	10.11	0.22	29.20	100000	---	1600	870	250	2600	ND<250	---	---	6.1	SPL
MW-5	06/23/98	39.14	10.20	0.02	28.96	27000	---	2500	840	370	2900	ND<250	---	---	2.1	SPL
QC-1 (h)	06/23/98	---	---	---	---	27000	---	2600	840	400	2950	ND<500	---	---	---	SPL
MW-5 (f)	03/31/99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	08/25/99	39.14	14.69	0.38	24.75	180000	---	2700	400	830	2800	26	---	---	---	SPL
MW-5	03/09/00	39.14	14.83	0.60	24.79	53000	---	12000	2600	1900	9100	ND<5.0	---	---	---	PACE
MW-5 (f)	03/08/01	39.14	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/08/02	39.14	11.45	1.50	28.89	33000	---	8240	1080	1010	2900	34.3	---	---	---	PACE
MW-5	03/18/02	39.14	8.03	---	31.11	---	---	---	---	---	---	---	---	---	---	---

? old release

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)		HVOC (ug/l)	DO (ppm)	LAB
MW-6	10/03/91	41.59	20.73	---	20.86	ND<50	---	0.7	0.8	ND<0.3	1.3	---		---		---	---	SUP
MW-6	10/15/91	41.59	21.20	---	20.39	---	---	---	---	---	---	---		---		---	---	---
MW-6	12/04/91	41.59	21.26	---	20.33	---	---	---	---	---	---	---		---		---	---	---
MW-6	12/16/91	41.59	21.12	---	20.47	---	---	---	---	---	---	---		---		---	---	---
MW-6	01/06/92	41.59	20.29	---	21.30	ND<50	---	ND<0.5	ND<0.5	ND<0.5	1.6	---		---		---	---	ANA
MW-6	01/22/92	41.59	20.12	---	21.47	---	---	---	---	---	---	---		---		---	---	---
MW-6	01/28/92	41.59	20.20	---	21.39	---	---	---	---	---	---	---		---		---	---	---
MW-6	02/05/92	41.59	20.09	---	21.50	---	---	---	---	---	---	---		---		---	---	---
MW-6	02/12/92	41.59	19.15	---	22.44	---	---	---	---	---	---	---		---		---	---	---
MW-6	02/17/92	41.59	18.02	---	23.57	---	---	---	---	---	---	---		---		---	---	---
MW-6	04/03/92	41.59	16.62	---	24.97	---	---	---	---	---	---	---		---		---	---	---
MW-6	04/08/92	41.59	17.06	---	24.53	ND<50	---	0.6	ND<0.5	1	ND<0.5	---		---		---	---	ANA
MW-6	04/14/92	41.59	17.23	---	24.36	---	---	---	---	---	---	---		---		---	---	---
MW-6	04/29/92	41.59	18.12	---	23.47	---	---	---	---	---	---	---		---		---	---	---
MW-6	05/07/92	41.59	18.52	---	23.07	---	---	---	---	---	---	---		---		---	---	---
MW-6	07/03/92	41.59	19.71	---	21.88	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	ANA
MW-6	10/08/92	41.59	21.22	---	20.37	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	ANA
QC-1 (h)	10/08/92	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	ANA
MW-6	12/31/92	41.59	21.33	---	20.26	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	ANA
MW-6	04/21/93	41.59	16.45	---	25.14	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---		---	---	PACE
MW-6	07/07/93	41.59	18.68	---	22.91	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28.96	(n)	29	(j)	---	---	PACE
MW-6	09/21/93	41.59	19.64	---	21.95	ND<50	---	ND<0.5	ND<0.5	ND<0.5	1.6	---	(n)	---		---	---	PACE
MW-6	12/17/93	41.59	21.08	---	20.51	---	---	---	---	---	---	---		---		---	---	---
MW-6	12/23/93	41.59	---	---	---	ND<50	---	ND<0.5	0.5	ND<0.5	0.6	13.95	(n)	---		---	---	PACE
MW-6	04/07/94	41.59	21.27	---	20.32	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	35.1	(n)	---		---	6.1	PACE
MW-6	07/06/94	41.59	19.81	---	21.78	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---		---	4.0	PACE
QC-1 (h)	07/06/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---		---	---	PACE
MW-6	10/07/94	41.59	21.25	---	20.34	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	24.3	(n)	24	(j)	---	3.5	PACE
MW-6	01/27/95	41.59	12.39	---	29.20	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---		---	4.2	ATI
MW-6	03/30/95	41.59	11.34	---	30.25	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---		---	6.1	ATI
MW-6	06/20/95	41.59	15.12	---	26.47	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---		---	---	ATI
MW-6	10/03/95	41.59	20.68	---	20.91	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	66		---		---	6.4	ATI
MW-6	12/06/95	41.59	23.77	---	17.82	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	45		---		---	5.7	ATI
MW-6	03/21/96	41.59	11.55	---	30.04	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	41		---		---	9.1	SPL
MW-6	06/21/96	41.59	12.60	---	28.99	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---		---	8.6	SPL
MW-6	09/06/96	41.59	13.25	---	28.34	---	---	---	---	---	---	---		---		---	---	---
MW-6	09/09/96	41.59	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	22/22	(k)	---		---	7.9	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-6	12/19/96	41.59	11.45	---	30.14	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.7	SPL
MW-6	03/17/97	41.59	10.80	---	30.79	---	---	---	---	---	---	---	---	---	---	---
MW-6	08/12/97	41.59	13.11	---	28.48	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/10/97	41.59	13.84	---	27.75	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/12/98	41.59	11.17	---	30.42	---	---	---	---	---	---	---	---	---	---	---
MW-6	06/23/98	41.59	13.27	---	28.32	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/31/99	41.59	12.91	---	28.68	---	---	---	---	---	---	---	---	---	---	---
MW-6	08/25/99	41.59	15.93	---	25.66	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/09/00	41.59	11.49	---	30.10	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/08/01	41.59	10.81	---	30.78	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/08/02	41.59	14.28	---	27.31	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/18/02	41.59	13.10	---	28.49	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-7	10/03/91	40.64	14.93	---	25.71	360	---	62	13	3.4	20	---		---	---	---	SUP
MW-7	10/15/91	40.64	15.16	---	25.48	---	---	---	---	---	---	---		---	---	---	---
MW-7	12/04/91	40.64	15.41	---	25.23	---	---	---	---	---	---	---		---	---	---	---
MW-7	12/16/91	40.64	15.21	---	25.43	---	---	---	---	---	---	---		---	---	---	---
MW-7	01/06/92	40.64	14.56	---	26.08	1100	---	170	ND<0.5	24	23	---		---	---	---	ANA
MW-7	01/22/92	40.64	14.63	---	26.01	---	---	---	---	---	---	---		---	---	---	---
MW-7	01/28/92	40.64	14.73	---	25.91	---	---	---	---	---	---	---		---	---	---	---
MW-7	02/05/92	40.64	14.58	---	26.06	---	---	---	---	---	---	---		---	---	---	---
MW-7	02/12/92	40.64	13.94	---	26.70	---	---	---	---	---	---	---		---	---	---	---
MW-7	02/17/92	40.64	13.10	---	27.54	---	---	---	---	---	---	---		---	---	---	---
MW-7	04/03/92	40.64	12.66	---	27.98	---	---	---	---	---	---	---		---	---	---	---
MW-7	04/08/92	40.64	12.77	---	27.87	750	---	150	ND<0.5	23	9.9	---		---	---	---	ANA
MW-7	04/14/92	40.64	13.02	---	27.62	---	---	---	---	---	---	---		---	---	---	---
MW-7	04/29/92	40.64	13.59	---	27.05	---	---	---	---	---	---	---		---	---	---	---
MW-7	05/07/92	40.64	13.95	---	26.69	---	---	---	---	---	---	---		---	---	---	---
MW-7	07/03/92	40.64	14.73	---	25.91	660	---	210	ND<2.5	33	8	---		---	---	---	ANA
MW-7	10/08/92	40.64	15.75	---	24.89	320	---	49	1.4	13	6.2	---		---	---	---	ANA
MW-7	12/31/92	40.64	13.57	---	27.07	900	---	100	ND<2.5	28	4.3	---		---	---	---	ANA
MW-7	04/21/93	40.64	14.56	---	26.08	510	---	83	1.2	10	5.8	---	(n)	---	---	---	PACE
MW-7	07/07/93	40.32 (i)	13.40	---	26.92	1100	---	160	2.0	27	4.0	10.84	(n)	---	---	---	PACE
QC-1 (h)	07/07/93	---	---	---	---	1100	---	170	1.9	29	2.8	9.84	(n)	---	---	---	PACE
MW-7	09/21/93	40.32	14.40	---	25.92	690	---	150	3.1	26	5.7	---	(n)	---	---	---	PACE
QC-1 (h)	09/21/93	---	---	---	---	640	---	140	1.7	23	2.4	---	(n)	---	---	---	PACE
MW-7	12/17/93	40.32	13.65	---	26.67	---	---	---	---	---	---	---		---	---	---	---
MW-7	12/23/93	40.32	---	---	---	250	---	64	1.2	9	1.8	7.81	(n)	---	---	---	PACE
MW-7	04/07/94	40.32	30.62	---	9.70	140	---	32	1.4	ND<0.5	ND<0.5	6.32	(n)	---	---	---	PACE
MW-7	07/06/94	40.32	16.88	---	23.44	410	---	94	1.3	10	3.5	ND<5.0	(n)	---	---	4.4	PACE
MW-7	10/07/94	40.32	25.59	---	14.73	ND<50	---	9.2	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(n)	---	---	4.9	PACE
MW-7	01/27/95	40.32	9.82	---	30.50	810	---	570	3	60	17	---		---	---	0	ATI
QC-1 (h)	01/27/95	---	---	---	---	930	---	620	4	77	21	---		---	---	---	ATI
MW-7	03/30/95	40.32	9.15	---	31.17	180	---	65	0.53	2	ND<1.0	---		---	---	7.8	ATI
MW-7	06/20/95	40.32	11.38	---	28.94	2800	---	980	ND<5.0	ND<5.0	43	---		---	---	---	ATI
MW-7	10/03/95	40.32	29.95	---	10.37	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	ATI
MW-7	12/06/95	40.32	29.85	---	10.47	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	ATI
MW-7	03/21/96	40.32	9.76	---	30.56	1000	---	390	2	40	13	ND<10		---	---	7.4	SPL
MW-7	06/21/96	40.32	11.01	---	29.31	ND<250	---	40	ND<5	ND<5	ND<5	ND<50		---	---	7.4	SPL
MW-7	09/06/96	40.32	11.68	---	28.64	---	---	---	---	---	---	---		---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-7	09/09/96	40.32	---	---	---	ND<250	---	13	ND<5.0	ND<5.0	ND<5.0	ND<50	---	---	7.2	SPL
MW-7	12/19/96	40.32	10.78	---	29.54	70	---	1.2	ND<1.0	1	ND<1.0	ND<10	---	---	8.3	SPL
MW-7	03/17/97	40.32	9.96	---	30.36	---	---	---	---	---	---	---	---	---	---	---
MW-7	08/12/97	40.32	11.44	---	28.88	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/10/97	40.32	10.42	---	29.90	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/12/98	40.32	9.51	---	30.81	---	---	---	---	---	---	---	---	---	---	---
MW-7	06/23/98	40.32	9.98	---	30.34	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/31/99	40.32	10.38	---	29.94	---	---	---	---	---	---	---	---	---	---	---
MW-7	08/25/99	40.32	12.38	---	27.94	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/09/00	40.32	8.48	---	31.84	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/08/01	40.32	8.37	---	31.95	---	---	---	---	---	---	---	---	---	---	---
MW-7 (f)	03/08/02	40.32	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/18/02	40.32	9.94	---	30.38	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-8	10/03/91	38.18	22.37	---	15.81	ND<50	---	ND<0.3	0.6	ND<0.3	0.9	---	---	---	---	SUP
MW-8	10/15/91	38.18	22.70	---	15.48	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/04/91	38.18	22.44	---	15.74	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/16/91	38.18	22.47	---	15.71	---	---	---	---	---	---	---	---	---	---	---
MW-8	01/06/92	38.18	21.94	---	16.24	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8	01/22/92	38.18	21.44	---	16.74	---	---	---	---	---	---	---	---	---	---	---
MW-8	01/28/92	38.18	21.20	---	16.98	---	---	---	---	---	---	---	---	---	---	---
MW-8	02/05/92	38.18	20.88	---	17.30	---	---	---	---	---	---	---	---	---	---	---
MW-8	02/12/92	38.18	20.54	---	17.64	---	---	---	---	---	---	---	---	---	---	---
MW-8	02/17/92	38.18	19.99	---	18.19	---	---	---	---	---	---	---	---	---	---	---
MW-8	04/03/92	38.18	16.75	---	21.43	---	---	---	---	---	---	---	---	---	---	---
MW-8	04/08/92	38.18	16.57	---	21.61	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8 (f)	04/14/92	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	04/29/92	38.18	18.61	---	19.57	---	---	---	---	---	---	---	---	---	---	---
MW-8	05/07/92	38.18	18.41	---	19.77	---	---	---	---	---	---	---	---	---	---	---
MW-8	07/03/92	38.18	20.35	---	17.83	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8 (f)	10/08/92	38.18	21.74	---	16.44	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/31/92	38.18	19.09	---	19.09	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8	04/21/93	38.18	18.92	---	19.26	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--- (n)	---	---	---	PACE
MW-8	07/07/93	38.18	17.76	---	20.42	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0 (n)	---	---	---	PACE
MW-8	09/21/93	38.18	19.71	---	18.47	ND<50	---	2.9	2.2	2	7.1	--- (n)	---	---	---	PACE
MW-8	12/17/93	38.18	21.33	---	16.85	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/23/93	38.18	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.6	ND<5.0 (n)	---	---	---	PACE
MW-8	04/07/94	38.18	21.51	---	16.67	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0 (n)	---	---	6.6	PACE
MW-8	07/06/94	38.18	17.41	---	20.77	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0 (n)	---	---	4.4	PACE
MW-8	10/07/94	38.18	19.20	---	18.98	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0 (n)	---	---	3.7	PACE
MW-8	01/27/95	38.18	12.25	---	25.93	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	2.9	ATI
MW-8	03/30/95	38.18	10.35	---	27.83	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	8.3	ATI
MW-8	06/20/95	38.18	13.37	---	24.81	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	6.9	ATI
MW-8 (f)	10/03/95	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/06/95	38.18	18.42	---	19.76	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	47	---	---	5.3	ATI
MW-8 (f)	03/21/96	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	06/21/96	38.18	13.03	---	25.15	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	7.0	SPL
MW-8	09/06/96	38.18	13.70	---	24.48	---	---	---	---	---	---	---	---	---	---	---
MW-8	09/09/96	38.18	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.0	SPL
MW-8	12/19/96	38.18	11.93	---	26.25	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.6	SPL
MW-8	03/17/97	38.18	11.29	---	26.89	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-8	08/12/97	38.18	13.73	---	24.45	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/10/97	38.18	11.88	---	26.30	---	---	---	---	---	---	---	---	---	---	---
MW-8	03/12/98	38.18	11.89	---	26.29	---	---	---	---	---	---	---	---	---	---	---
MW-8	06/23/98	38.18	11.33	---	26.85	---	---	---	---	---	---	---	---	---	---	---
MW-8	03/31/99	38.18	12.68	---	25.50	---	---	---	---	---	---	---	---	---	---	---
MW-8	08/25/99	38.18	14.93	---	23.25	---	---	---	---	---	---	---	---	---	---	---
MW-8	03/09/00	38.18	9.14	---	29.04	---	---	---	---	---	---	---	---	---	---	---
MW-8	03/08/01	38.18	8.41	---	29.77	---	---	---	---	---	---	---	---	---	---	---
MW-8	03/08/02	38.18	11.18	---	27.00	---	---	---	---	---	---	---	---	---	---	---
MW-8	03/18/02	38.18	10.72	---	27.46	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-9	10/03/91	41.25	14.12	---	27.13	ND<50	---	ND<0.3	0.4	ND<0.3	ND<0.3	---		---	---	---	SUP
MW-9	10/15/91	41.25	14.27	---	26.98	---	---	---	---	---	---	---		---	---	---	---
MW-9	12/04/91	41.25	13.84	---	27.41	---	---	---	---	---	---	---		---	---	---	---
MW-9	12/16/91	41.25	14.18	---	27.07	---	---	---	---	---	---	---		---	---	---	---
MW-9	01/06/92	41.25	13.42	---	27.83	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	---		---	---	---	ANA
MW-9	01/22/92	41.25	13.75	---	27.50	---	---	---	---	---	---	---		---	---	---	---
MW-9	01/28/92	41.25	14.76	---	26.49	---	---	---	---	---	---	---		---	---	---	---
MW-9	02/05/92	41.25	13.38	---	27.87	---	---	---	---	---	---	---		---	---	---	---
MW-9	02/12/92	41.25	11.86	---	29.39	---	---	---	---	---	---	---		---	---	---	---
MW-9	02/17/92	41.25	10.78	---	30.47	---	---	---	---	---	---	---		---	---	---	---
MW-9	04/03/92	41.25	11.63	---	29.62	---	---	---	---	---	---	---		---	---	---	---
MW-9	04/08/92	41.25	12.25	---	29.00	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-9	04/14/92	41.25	12.32	---	28.93	---	---	---	---	---	---	---		---	---	---	---
MW-9	04/29/92	41.25	13.07	---	28.18	---	---	---	---	---	---	---		---	---	---	---
MW-9	05/07/92	41.25	14.43	---	26.82	---	---	---	---	---	---	---		---	---	---	---
MW-9	07/03/92	41.25	13.85	---	27.40	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-9	10/08/92	41.25	14.89	---	26.36	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-9	12/31/92	41.25	11.90	---	29.35	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
MW-9	04/21/93	41.25	13.68	---	27.57	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	---	PACE
MW-9	07/07/93	41.25	13.12	---	28.13	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(n)	---	---	---	PACE
MW-9	09/21/93	41.25	14.00	---	27.25	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	---	(n)	---	---	---	PACE
MW-9	12/17/93	41.25	12.98	---	28.27	---	---	---	---	---	---	---		---	---	---	---
MW-9	12/23/93	41.25	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	ND<5.0	(n)	---	---	---	PACE
MW-9	04/07/94	41.25	13.24	---	28.01	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(n)	---	---	4.7	PACE
MW-9	07/06/94	41.25	13.77	---	27.48	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	3.9	PACE
MW-9	10/07/94	41.25	14.60	---	26.65	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(n)	---	---	3.0	PACE
MW-9	01/27/95	41.25	8.47	---	32.78	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	2.5	ATI
MW-9	03/30/95	41.25	8.19	---	33.06	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	8.4	ATI
MW-9	06/20/95	41.25	11.25	---	30.00	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	8.1	ATI
MW-9	10/03/95	41.25	14.68	---	26.57	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	6.0	ATI
MW-9	12/06/95	41.25	16.07	---	25.18	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	46		---	---	5.4	ATI
MW-9	03/21/96	41.25	9.60	---	31.65	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	8.0	SPL
MW-9	06/21/96	41.25	10.86	---	30.39	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	7.8	SPL
MW-9	09/06/96	41.25	11.52	---	29.73	---	---	---	---	---	---	---		---	---	---	---
MW-9	09/09/96	41.25	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	20/21	(k)	---	---	7.3	SPL
MW-9	12/19/96	41.25	10.43	---	30.82	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	7.3	SPL
MW-9	03/17/97	41.25	9.87	---	31.38	---	---	---	---	---	---	---		---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
MW-9	08/12/97	41.25	11.44	—	29.81	---	—	---	---	---	---	---	---	---	---	---
MW-9	12/10/97	41.25	10.44	---	30.81	---	---	---	---	---	---	---	---	---	---	---
MW-9	03/12/98	41.25	9.50	---	31.75	---	---	---	---	---	---	---	---	---	---	---
MW-9	06/23/98	41.25	10.06	---	31.19	---	---	---	---	---	---	---	---	---	---	---
MW-9	03/31/99	41.25	9.06	---	32.19	---	---	---	---	---	---	---	---	---	---	---
MW-9	08/25/99	41.25	12.00	---	29.25	---	---	---	---	---	---	---	---	---	---	---
MW-9	03/09/00	41.25	10.57	---	30.68	---	---	---	---	---	---	---	---	---	---	---
MW-9	03/08/01	41.25	9.73	---	31.52	---	---	---	---	---	---	---	---	---	---	---
MW-9	03/08/02	41.25	11.89	---	29.36	---	---	---	---	---	---	---	---	---	---	---
MW-9	03/18/02	41.25	9.68	—	31.57	---	—	---	---	---	—	---	---	---	—	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		TOG (ug/l)	HVOC (ug/l)	DO (ppm)	LAB
QC-2	(I)	10/08/92	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
QC-2	(I)	12/31/92	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	ANA
QC-2	(I)	04/21/93	---	---	---	---	---	---	---	---	---	---	---	(n)	---	ND	---	PACE
QC-2	(I)	07/07/93	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.6	---	(n)	---	---	---	PACE
QC-2	(I)	09/21/93	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	---	PACE
QC-2	(I)	12/23/93	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
QC-2	(I)	04/07/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
QC-2	(I)	07/06/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
QC-2	(I)	10/07/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	---	PACE
QC-2	(I)	01/27/95	---	---	---	---	ND<50	---	ND<0.5	0.5	ND<0.5	ND<1	---		---	---	---	ATI
QC-2	(I)	03/30/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	ATI
QC-2	(I)	06/20/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	ATI
QC-2	(I)	10/03/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	ATI
QC-2	(I)	12/06/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	ATI
QC-2	(I)	03/21/96	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	SPL
QC-2	(I)	06/21/96	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
TOG	Total oil and grease
HVOC	Halogenated volatile organic compounds
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
---	Not analyzed/measured/applicable
ND	Not detected above reported detection limit
SUP	Superior Analytical Laboratory
ANA	Anametrix, Inc.
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

(a) Top of casing elevations surveyed in feet above mean sea level, relative to the NGVD (1929).

(b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.

(c) Well destroyed during tank removal in November 1990.

(d) Methylene chloride.

(e) 1,2-Dichloroethane.

(f) Well inaccessible.

(g) Sample collected from MW-2 for TPH-D analysis received in laboratory 7 days after collection; sample exceeded EPA recommended holding time for TPH-D on a water matrix.

(h) Blind duplicate.

(i) Top of casing lowered.

(j) A copy of the documentation for this data is included in Appendix C of Alisto report 10-014-07-001.

(k) EPA Methods 8020/8260 used.

(l) Travel blank.

(m) Gauge only, along with Shell @ 4411 Foothill Blvd.

(n) A copy of the documentation for this data is included in the Blaine Tech Services, Inc. report 020308-DW-2. The data for samples taken on April 21, 1993, have been destroyed. No chromatograms could be located for the samples taken on: July 7, 1993, for well MW-2 and TB; September 21, 1993, for all wells MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, the DUP and TB; December 23, 1993, for wells MW-2 and MW-3; and July 6, 1994, for wells MW-2, MW-4, MW-6, and MW-9.

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	TPH-MO (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
S-1	03/30/95	38.31	6.09	32.22	---	---	---	---	---	---	---	---	---
S-1	06/20/95	38.31	7.30	31.01	---	---	---	---	---	---	---	---	---
S-1	12/06/95	38.31	11.64	26.67	---	---	---	---	---	---	---	---	---
S-1	03/21/96	38.31	6.87	31.44	---	---	---	---	---	---	---	---	---
S-1	06/21/96	38.31	8.65	29.66	---	---	---	---	---	---	---	---	---
S-1	09/06/96	38.31	10.50	27.81	---	---	---	---	---	---	---	---	---
S-1	12/19/96	38.31	8.24	30.07	---	---	---	---	---	---	---	---	---
S-1	03/17/97	38.31	7.26	31.05	---	---	---	---	---	---	---	---	---
S-1	06/11/97	38.31	10.69	27.62	---	---	---	---	---	---	---	---	---
S-1	09/17/97	38.31	10.26	28.05	---	---	---	---	---	---	---	---	---
S-1	12/11/97	38.31	6.96	31.35	---	---	---	---	---	---	---	---	---
S-1	03/12/98	38.31	6.00	32.31	25000	2500	510	250	820	670	5000	ND<125	SEQ
DUP (c)	03/12/98	---	---	---	26000	---	---	250	840	720	5100	ND<125	SEQ
S-1	06/23/98	38.31	6.31	32.00	ND<1000	230	ND<500	280	14	23	15	6100/7800 (d)	SEQ
S-1	09/01/99	38.31	9.17	29.14	26000	2300	ND<500	370	620	1300	33	1400/120 (d)	SEQ
S-1	12/30/98	38.31	8.99	29.32	29900	1970	334	174	732	1680	5740	182 (d)	SEQ
S-1	03/31/99	38.31	7.84	30.47	14200	1150	279	1360	260	1070	3580	ND<500/90 (d)	SEQ
S-1	03/09/00	38.30	6.21	32.09	1230 (f)	1200	ND<250	21.2 (f)	115 (f)	116 (f)	411 (f)	45.1 (f)	SEQ
S-1	03/08/01	38.30	5.84	32.46	2940	1390	---	49.6	52.9	21.8	749	87.6	SEQ
S-1	03/18/02	38.30	5.08	33.22	7500	<300	---	40	370	560	2000	20	KIFF

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	TPH-MO (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
S-2	03/30/95	38.79	7.86	30.93	---	---	---	---	---	---	---	---	---
S-2	06/20/95	38.79	9.51	29.28	---	---	---	---	---	---	---	---	---
S-2	12/06/95	38.79	10.52	28.27	---	---	---	---	---	---	---	---	---
S-2	03/21/96	38.79	8.60	30.19	---	---	---	---	---	---	---	---	---
S-2	06/21/96	38.79	9.95	28.84	---	---	---	---	---	---	---	---	---
S-2	09/06/96	38.79	10.50	28.29	---	---	---	---	---	---	---	---	---
S-2	12/19/96	38.79	9.40	29.39	---	---	---	---	---	---	---	---	---
S-2	03/17/97	38.79	9.82	28.97	---	---	---	---	---	---	---	---	---
S-2	06/11/97	38.79	10.18	28.61	---	---	---	---	---	---	---	---	---
S-2	09/17/97	38.79	9.90	28.89	---	---	---	---	---	---	---	---	---
S-2	12/11/97	38.79	8.27	30.52	---	---	---	---	---	---	---	---	---
S-2	03/12/98	38.79	7.97	30.82	1100	---	---	830	48	ND<10	ND<10	4700/4800 (d)	SEQ
S-2	06/23/98	38.79	8.20	30.59	720	---	---	46	6.8	50	68	50/8.8 (d)	SEQ
DUP (c)	06/23/98	---	---	---	810	---	---	48	7.1	50	70	49/8.8 (d)	SEQ
S-2	09/01/99	38.79	9.85	28.94	ND<2000	---	---	170	ND<20	ND<20	ND<20	9300/12000 (d)	SEQ
S-2	12/30/98	38.79	9.84	28.95	ND<5000	---	---	369	ND<50	ND<50	ND<50	9300/12000 (d)	SEQ
S-2	03/31/99	38.79	8.67	30.12	ND<2000	---	---	234	ND<20	27.4	36.9	49200/53000 (d)	SEQ
S-2	03/09/00	38.78	7.88	30.90	2670	630	ND<250	1190 (f)	62.7	84.1	125	29200/31400 (d),(f)	SEQ
S-2	03/08/01 —	38.78	8.57	30.21	ND<2500	ND<51.3	---	318	45.7	53.5	88.5	15500/17500 (d)	SEQ
S-2	03/18/02 —	38.78	9.91	28.87	3700	14000	---	93	<20	35	100	7500	KIFF

Same date @ BP sampling

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	TPH-MO (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
S-3	03/30/95	37.33	7.06	30.27	---	---	---	---	---	---	---	---	---
S-3	06/20/95	37.33	8.15	29.18	---	---	---	---	---	---	---	---	---
S-3	12/06/95	37.33	10.53	26.80	---	---	---	---	---	---	---	---	---
S-3	03/21/96	37.33	7.32	30.01	---	---	---	---	---	---	---	---	---
S-3	06/21/96	37.33	8.85	28.48	---	---	---	---	---	---	---	---	---
S-3	09/06/96	37.33	10.10	27.23	---	---	---	---	---	---	---	---	---
S-3	12/19/96	37.33	8.36	28.97	---	---	---	---	---	---	---	---	---
S-3	03/17/97	37.33	8.57	28.76	---	---	---	---	---	---	---	---	---
S-3	06/11/97	37.33	9.26	28.07	---	---	---	---	---	---	---	---	---
S-3	09/17/97	37.33	9.62	27.71	---	---	---	---	---	---	---	---	---
S-3	12/11/97	37.33	7.34	29.99	---	---	---	---	---	---	---	---	---
S-3	03/12/98	37.33	5.75	31.58	29000	---	---	840	810	1700	6000	ND<250	SEQ
S-3	06/23/98	37.33	5.98	31.35	3800	---	---	90	220	240	1400	ND<50	SEQ
S-3	09/01/99	---	---	---	9200	---	---	420	110	800	1700	110/ND<50 (d)	SEQ
S-3	12/30/98	37.33	9.11	28.22	7660	---	---	240	103	410	834	64.9	SEQ
S-3	03/31/99	37.33	7.48	29.85	2070	---	---	195	10	ND<5.0	48.6	354/64.6 (d)	SEQ
S-3	03/09/00	37.30	6.25	31.05	2290 (f)	1600	ND<250	84.5 (f)	17 (f)	104 (f)	105 (f)	29.3 (f)	SEQ
S-3	03/08/01	37.30	8.17	29.13	19400	1720	---	465	772	1230	3830	160	SEQ
S-3	03/18/02	37.30	7.03	30.27	3800	810	---	61	120	130	620	5.0	KIFF
S-4	03/08/01	39.06	8.44	30.62	20100	5840	---	5210	105	381	281	2520	SEQ
S-4	03/18/02	39.06	8.75	30.31	---	---	---	---	---	---	---	---	---
S-4	03/29/02	39.06	8.85 (g)	30.21	14000	---	---	1700	30	280	250	960	KIFF
BW-A	03/09/00	---	3.99	---	---	---	---	---	---	---	---	---	---
BW-A	03/08/01	---	6.38	---	ND<2500	1370	---	46.6	ND<25	ND<25	ND<25	10600/11700 (d)	SEQ
EB (e)	03/12/98	---	---	---	ND<50	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	SEQ
EB (e)	06/23/98	---	---	---	ND<50	---	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	SEQ

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
TPH-MO	Total petroleum hydrocarbons as motor oil
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
ug/l	Micrograms per liter
---	Not analyzed/measured/applicable
ND	Not detected above reported detection limit
SEQ	Sequoia Analytical
KIFF	Kiff Analytical

NOTES:

(a) Top of box elevations surveyed relative to 1929 NGVD. Measured in feet above mean sea level.

(b) Groundwater elevations in feet above mean sea level.

(c) Blind duplicate.

(d) EPA Methods 8020/8260 used for MTBE analysis.

(e) Trip blank.

(f) This sample was analyzed outside of EPA recommended hold time.

(g) Top of Box has been disturbed; Elevation has been determined by using survey data on February 3, 2000, for the diference between TOC & TOB.

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-1	07/14/92	38.41	27.61	---	10.80	---	---	---	---	---	---	---
C-1	10/08/92	38.41	24.44	---	13.97	---	---	---	---	---	---	---
C-1	09/21/93	38.41	21.42	---	16.99	---	---	---	---	---	---	---
C-1	03/30/95	38.41	12.02	---	26.39	---	---	---	---	---	---	---
C-1	06/20/95	38.41	14.40	---	24.01	---	---	---	---	---	---	---
C-1	03/21/96	38.41	11.65	---	26.76	---	---	---	---	---	---	---
C-1	09/06/96	38.41	16.75	---	21.66	---	---	---	---	---	---	---
C-1	12/19/96	38.41	13.98	---	24.43	---	---	---	---	---	---	---
C-1	03/17/97	38.41	12.78	---	25.63	---	---	---	---	---	---	---
C-1	06/11/97	38.41	15.16	---	23.25	---	---	---	---	---	---	---
C-1	09/17/97	38.41	16.94	---	21.47	---	---	---	---	---	---	---
C-1	12/10/97	38.41	13.18	---	25.23	---	---	---	---	---	---	---
C-1	03/12/98	38.41	9.49	---	28.92	---	---	---	---	---	---	---
C-1	06/23/98	38.41	10.22	---	28.19	1300	650	6.9	22	6.5	290	SEQ
C-1	09/01/98	38.41	16.98	---	21.43	270	6.0	ND<2.5	ND<2.5	ND<2.5	950	SEQ
C-1	12/30/98	38.41	16.12	---	22.29	2020	578	ND<5.0	ND<5.0	<5.0	1720	SEQ
C-1	03/31/99	38.41	13.88	---	24.53	2140	776	5.89	ND<5.0	5.15	1170	SEQ
C-1	03/09/00	38.41	7.13	---	31.28	3300	2500	28	37	ND<25	1700	SEQ
C-1	03/08/01	38.41	7.96	---	30.45	2570	1040	7.93	12	ND<5.0	1470	SEQ
C-1	03/08/02	38.41	10.06	---	28.35	3600	1400	9.5	17	6.5	1900	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-2	07/14/92	37.47	---	---	---	---	---	---	---	---	---	---
C-2	10/08/92	37.47	---	---	---	---	---	---	---	---	---	---
C-2	09/21/93	37.47	26.29	---	11.18	---	---	---	---	---	---	---
C-2	03/30/95	37.47	17.18	---	20.29	---	---	---	---	---	---	---
C-2	06/20/95	37.47	18.95	---	18.52	---	---	---	---	---	---	---
C-2	03/21/96	37.47	16.17	---	21.30	---	---	---	---	---	---	---
C-2	09/06/96	37.47	21.14	0.04	16.36	---	---	---	---	---	---	---
C-2	12/19/96	37.47	17.55	0.03	19.94	---	---	---	---	---	---	---
C-2	03/17/97	37.47	18.59	---	18.88	---	---	---	---	---	---	---
C-2	06/11/97	37.47	21.30	---	16.17	---	---	---	---	---	---	---
C-2	09/17/97	37.47	23.14	---	14.33	---	---	---	---	---	---	---
C-2	12/10/97	37.47	17.21	---	20.26	---	---	---	---	---	---	---
C-2	03/12/98	37.47	14.17	---	23.30	---	---	---	---	---	---	---
C-2	06/23/98	37.47	14.82	---	22.65	1100000	6800	5100	13000	38000	ND<1000	SEQ
C-2	09/01/98	37.47	21.78	---	15.69	9700	300	8.2	6.2	250	3700	SEQ
C-2	12/30/98	37.47	21.86	---	15.61	110000	4790	1300	841	5570	2420	SEQ
C-2	03/31/99	37.47	16.90	---	20.57	48000	4800	1110	1520	5450	2160	SEQ
C-2	03/09/00	37.47	12.20	---	25.27	26000	4800	930	1200	4400	1800	SEQ
C-2	03/08/01	37.47	16.94	---	20.53	42300	3930	828	2010	5180	1660	SEQ
C-2	03/08/02	37.47	14.29	---	23.18	26000	2900	390	1200	2800	1100	LAN

Same date as neighboring sites

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-3	07/14/92	38.37	27.87	---	10.50	---	---	---	---	---	---	---
C-3	10/08/92	38.37	28.55	---	9.82	---	---	---	---	---	---	---
C-3	09/21/93	38.37	26.22	---	12.15	---	---	---	---	---	---	---
C-3	03/30/95	38.37	18.42	---	19.95	---	---	---	---	---	---	---
C-3	06/20/95	38.37	19.79	---	18.58	---	---	---	---	---	---	---
C-3	03/21/96	38.37	17.85	---	20.52	---	---	---	---	---	---	---
C-3	09/06/96	38.37	21.63	---	16.74	---	---	---	---	---	---	---
C-3	12/19/96	38.37	22.30	---	16.07	---	---	---	---	---	---	---
C-3	03/17/97	38.37	18.95	---	19.42	---	---	---	---	---	---	---
C-3	06/11/97	38.37	21.15	---	17.23	---	---	---	---	---	---	---
C-3	09/17/97	38.37	22.41	---	15.96	---	---	---	---	---	---	---
C-3	12/10/97	38.37	22.26	---	16.11	---	---	---	---	---	---	---
C-3	03/12/98	38.37	18.35	---	20.02	---	---	---	---	---	---	---
C-3	06/23/98	38.37	19.04	---	19.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
C-3	09/01/98	38.37	19.97	---	18.40	200	6.8	0.31	0.52	2.0	ND<2.5	SEQ
C-3	12/30/98	38.37	21.31	---	17.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	SEQ
C-3	03/31/99	38.37	17.77	---	20.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12.6	SEQ
C-3	03/09/00	38.37	17.10	---	21.27	99	6.9	0.8	0.89	3.8	12	SEQ
C-3	03/08/01	38.37	17.67	---	20.70	ND<50	0.873	<0.5	<0.5	<0.5	3.24	SEQ
C-3	03/08/02	38.37	17.78	---	20.59	82	5.4	ND<0.5	ND<0.5	ND<1.5	68	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-4	07/14/92	36.49	26.89	---	9.60	---	---	---	---	---	---	---
C-4	10/08/92	36.49	27.79	---	8.70	---	---	---	---	---	---	---
C-4	09/21/93	36.49	25.51	---	10.98	---	---	---	---	---	---	---
C-4	03/30/95	36.49	14.86	---	21.63	---	---	---	---	---	---	---
C-4	06/20/95	36.49	16.90	---	19.59	---	---	---	---	---	---	---
C-4	03/21/96	36.49	14.10	---	22.39	---	---	---	---	---	---	---
C-4	09/06/96	36.49	20.13	---	16.36	---	---	---	---	---	---	---
C-4	12/19/96	36.49	16.92	---	19.57	---	---	---	---	---	---	---
C-4	03/17/97	36.49	17.40	---	19.09	---	---	---	---	---	---	---
C-4	06/11/97	36.49	18.34	---	18.15	---	---	---	---	---	---	---
C-4	09/17/97	36.49	21.46	---	15.03	---	---	---	---	---	---	---
C-4	12/10/97	36.49	16.65	---	19.84	---	---	---	---	---	---	---
C-4	03/12/98	36.49	16.59	---	19.90	---	---	---	---	---	---	---
C-4	06/23/98	36.49	17.02	---	19.47	27000	1600	160	180	690	100	SEQ
C-4	09/01/98	36.49	21.45	---	15.04	520	14	2.3	ND<0.50	4.8	61	SEQ
C-4	12/30/98	36.49	21.42	---	15.07	122	14.1	1.86	ND<1.0	3.61	349	SEQ
C-4	03/31/99	36.49	15.20	---	21.29	20300	4450	443	1000	2130	1320	SEQ
C-4	03/09/00	36.49	13.36	---	23.13	8300	2600	270	510	1400	650	SEQ
C-4	03/08/01	36.49	16.62	---	19.87	9080	2260	229	395	1060	718	SEQ
C-4	03/08/02	36.49	16.78	---	19.71	7000	1300	67	280	390	610	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-5	07/14/92	38.50	28.00	---	10.50	---	---	---	---	---	---	---
C-5	10/08/92	38.50	28.65	---	9.85	---	---	---	---	---	---	---
C-5	09/21/93	38.50	26.36	---	12.14	---	---	---	---	---	---	---
C-5	03/30/95	38.50	18.54	---	19.96	---	---	---	---	---	---	---
C-5	06/20/95	38.50	20.13	---	18.37	---	---	---	---	---	---	---
C-5	03/21/96	38.50	18.40	---	20.10	---	---	---	---	---	---	---
C-5	09/06/96	38.50	21.90	---	16.60	---	---	---	---	---	---	---
C-5	12/19/96	38.50	21.15	---	17.35	---	---	---	---	---	---	---
C-5	03/17/97	38.50	19.84	---	18.66	---	---	---	---	---	---	---
C-5	06/11/97	38.50	21.60	---	16.90	---	---	---	---	---	---	---
C-5	09/17/97	38.50	27.83	---	10.67	---	---	---	---	---	---	---
C-5	12/10/97	38.50	21.00	---	17.50	---	---	---	---	---	---	---
C-5	03/12/98	38.50	16.42	---	22.08	---	---	---	---	---	---	---
C-5	06/23/98	38.50	16.98	---	21.52	---	---	---	---	---	---	---
C-5	09/01/98	38.50	20.42	---	18.08	---	---	---	---	---	---	---
C-5	12/30/98	38.50	20.79	---	17.71	---	---	---	---	---	---	---
C-5	03/31/99	38.50	17.05	---	21.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	SEQ
C-5	03/09/00	38.50	16.98	---	21.52	ND<50	ND<0.5	ND<0.5	ND<0.5	0.87	3.5	SEQ
C-5	03/08/01	38.50	17.53	---	20.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.15	SEQ
C-5	03/08/02	38.50	18.18	---	20.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	3.5	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-6	07/14/92	35.40	38.89	---	-3.49	---	---	---	---	---	---	---
C-6	10/08/92	35.40	38.67	---	-3.27	---	---	---	---	---	---	---
C-6	09/21/93	35.40	33.98	---	1.42	---	---	---	---	---	---	---
C-6	03/30/95	35.40	26.38	---	9.02	---	---	---	---	---	---	---
C-6	06/20/95	35.40	25.01	---	10.39	---	---	---	---	---	---	---
C-6	03/21/96	35.40	23.12	---	12.28	---	---	---	---	---	---	---
C-6	09/06/96	35.40	24.83	---	10.57	---	---	---	---	---	---	---
C-6	12/19/96	35.40	24.50	---	10.90	---	---	---	---	---	---	---
C-6	03/17/97	35.40	22.59	---	12.81	---	---	---	---	---	---	---
C-6	06/11/97	35.40	23.76	---	11.64	---	---	---	---	---	---	---
C-6	09/17/97	35.40	24.74	---	10.66	---	---	---	---	---	---	---
C-6	12/10/97	35.40	24.65	---	10.75	---	---	---	---	---	---	---
C-6	03/12/98	35.40	27.12	---	8.28	---	---	---	---	---	---	---
C-6	06/23/98	35.40	27.92	---	7.48	220	35	ND<0.5	2.5	1.1	ND<2.5	SEQ
C-6	09/01/98	35.40	31.60	---	3.80	1800	370	2.8	19	4.8	44	SEQ
C-6	12/30/98	35.40	31.82	---	3.58	1600	244	ND<1.0	8.53	ND<1.0	54.9	SEQ
C-6	03/31/99	35.40	26.06	---	9.34	741	92.2	ND<1.0	6.6	ND<1.0	27.9	SEQ
C-6	03/09/00	35.40	20.03	---	15.37	470	120	0.74	5.0	2.5	36	SEQ
C-6	03/08/01	35.40	23.84	---	11.56	1550	228	3.93	19.9	32.5	46.2	SEQ
C-6	03/08/02	35.40	21.08	---	14.32	600	33	0.91	1.8	ND<1.5	90	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-7	07/14/92	35.19	39.77	---	-4.58	---	---	---	---	---	---	---
C-7	10/08/92	35.19	39.14	---	-3.95	---	---	---	---	---	---	---
C-7	09/21/93	35.19	35.46	---	-0.27	---	---	---	---	---	---	---
C-7	03/30/95	35.19	27.60	---	7.59	---	---	---	---	---	---	---
C-7	06/20/95	35.19	27.87	---	7.32	---	---	---	---	---	---	---
C-7	03/21/96	35.19	27.85	---	7.34	---	---	---	---	---	---	---
C-7	09/06/96	35.19	28.35	---	6.84	---	---	---	---	---	---	---
C-7	12/19/96	35.19	29.11	---	6.08	---	---	---	---	---	---	---
C-7	03/17/97	35.19	27.14	---	8.05	---	---	---	---	---	---	---
C-7	06/11/97	35.19	28.05	---	7.14	---	---	---	---	---	---	---
C-7	09/17/97	35.19	29.00	---	6.19	---	---	---	---	---	---	---
C-7	12/10/97	35.19	29.26	---	5.93	---	---	---	---	---	---	---
C-7	03/12/98	35.19	24.92	---	10.27	---	---	---	---	---	---	---
C-7	06/23/98	35.19	25.30	---	9.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
C-7	09/01/98	35.19	26.27	---	8.92	570	24	1.4	8.4	22	24	SEQ
C-7	12/30/98	35.19	26.52	---	8.67	ND<50	4.85	1.26	ND<0.5	1.29	167	SEQ
C-7	03/31/99	35.19	24.76	---	10.43	53.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.0	SEQ
C-7	03/09/00	35.19	25.57	---	9.62	13000	2700	110	700	1500	ND<130	SEQ
C-7	03/08/01	35.19	25.43	---	9.76	1180	39.2	2.41	15.5	30.8	10.3	SEQ
C-7	03/08/02	35.19	24.80	---	10.39	3900	380	21	110	160	ND<20	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-8	07/14/92	34.68	39.02	---	-4.34	---	---	---	---	---	---	---
C-8	10/08/92	34.68	38.68	---	-4.00	---	---	---	---	---	---	---
C-8	09/21/93	34.68	35.30	---	-0.62	---	---	---	---	---	---	---
C-8	03/30/95	34.68	29.24	---	5.44	---	---	---	---	---	---	---
C-8	06/20/95	34.68	28.34	---	6.34	---	---	---	---	---	---	---
C-8	03/21/96	34.68	28.65	---	6.03	---	---	---	---	---	---	---
C-8	09/06/96	34.68	28.70	---	5.98	---	---	---	---	---	---	---
C-8	12/19/96	34.68	29.70	---	4.98	---	---	---	---	---	---	---
C-8	03/17/97	34.68	27.76	---	6.92	---	---	---	---	---	---	---
C-8	06/11/97	34.68	28.81	---	5.87	---	---	---	---	---	---	---
C-8	09/17/97	34.68	29.36	---	5.32	---	---	---	---	---	---	---
C-8	12/10/97	34.68	29.80	---	4.88	---	---	---	---	---	---	---
C-8	03/12/98	34.68	25.73	---	8.95	---	---	---	---	---	---	---
C-8	06/23/98	34.68	26.30	---	8.38	---	---	---	---	---	---	---
C-8	09/01/98	34.68	26.51	---	8.17	---	---	---	---	---	---	---
C-8	12/30/98	34.68	26.89	---	7.79	---	---	---	---	---	---	---
C-8	03/31/99	34.68	26.36	---	8.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.8	SEQ
C-8	03/09/00	34.68	26.33	---	8.35	ND<50	ND<0.5	ND<0.5	ND<0.5	1.8	<2.5	SEQ
C-8	03/08/01	34.68	26.10	---	8.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	<2.5	SEQ
C-8	03/08/02	34.68	25.30	---	9.38	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	CASING ELEVATION (Feet) (a)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	LAB
C-9	03/17/97	30.68	27.56	---	3.12	---	---	---	---	---	---	---
C-9	06/11/97	30.68	28.27	---	2.41	---	---	---	---	---	---	---
C-9	09/17/97	30.68	28.63	---	2.05	---	---	---	---	---	---	---
C-9	12/10/97	30.68	29.43	---	1.25	---	---	---	---	---	---	---
C-9	03/12/98	30.68	25.62	---	5.06	---	---	---	---	---	---	---
C-9	06/23/98	30.68	26.15	---	4.53	---	---	---	---	---	---	---
C-9	09/01/98	30.68	26.38	---	4.30	---	---	---	---	---	---	---
C-9	12/30/98	30.68	26.75	---	3.93	---	---	---	---	---	---	---
C-9	03/31/99	30.68	25.33	---	5.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12.5	SEQ
C-9	03/09/00	30.68	26.04	---	4.64	ND<50	ND<0.5	ND<0.5	ND<0.5	0.75	<2.5	SEQ
C-9	03/08/01	30.68	25.75	---	4.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	<2.5	SEQ
C-9	03/08/02	30.68	25.00	---	5.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	LAN
Trip Blank	06/23/98	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
Trip Blank	09/01/98	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
Trip Blank	03/08/01	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	SEQ
Trip Blank	03/08/02	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	LAN

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
ug/l	Micrograms per liter
---	Not analyzed/measured/applicable
ND	Not detected above reported detection limit
SEQ	Sequoia Analytical
LAN	Lancaster Laboratories

NOTES:

(a) Top of casing elevations surveyed relative to 1929 NGVD. Measured in feet above mean sea level.

(b) Groundwater elevations in feet above mean sea level.

Analytical Appendix

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Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

March 18, 2002

Ms. Cindy Magyar
Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

RE: Lab Project Number: 8526443
Client Project ID: BP Site 11109

Dear Ms. Magyar:

Enclosed are the analytical results for sample(s) received by the laboratory on March 12, 2002. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Paula Kirtley
pkirtley@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

ACCREDITED IN ACCORDANCE WITH nelac

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www.pacelabs.com

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Fax: 281.488.4661

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

Lab Project Number: 8526443
Client Project ID: BP Site 11109

Attn: Ms. Cindy Magyar
Phone:

Lab Sample No: 851743134 Project Sample Number: 8526443-001 Date Collected: 03/08/02 13:17
Client Sample ID: MW-3 Matrix: Water Date Received: 03/12/02 09:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limi
GC Volatiles									
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	62.	ug/l	50.	1.0	03/18/02 11:48	WRIC			
1,4-Difluorobenzene (S)	88	%		1.0	03/18/02 11:48	WRIC			
4-Bromofluorobenzene (S)	76	%		1.0	03/18/02 11:48	WRIC	460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical method / EPA 8021								
Benzene	ND	ug/l	0.500	1.0	03/18/02 11:48	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	03/18/02 11:48	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	03/18/02 11:48	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.00	1.0	03/18/02 11:48	WRIC	1330-20-7		
Methyl-tert-butyl ether	11.6	ug/l	0.500	1.0	03/18/02 11:48	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	99	%		1.0	03/18/02 11:48	WRIC			
4-Bromofluorobenzene (S)	88	%		1.0	03/18/02 11:48	WRIC	460-00-4		

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Lab Project Number: 8526443
Client Project ID: BP Site 11109

Lab Sample No: 851743135 Project Sample Number: 8526443-002 Date Collected: 03/08/02 15:00
Client Sample ID: MW-5 Matrix: Water Date Received: 03/12/02 09:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed	by	CAS No.	Ftnote	Reg Limi
GC Volatiles									
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	33000	ug/l	2500	50.0	03/18/02 14:07	WRIC			
1,4-Difluorobenzene (S)	92	%		1.0	03/18/02 14:07	WRIC			
4-Bromofluorobenzene (S)	81	%		1.0	03/18/02 14:07	WRIC	460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical method / EPA 8021								
Benzene	8240	ug/l	25.0	50.0	03/18/02 14:07	WRIC	71-43-2		
Ethylbenzene	1010	ug/l	25.0	50.0	03/18/02 14:07	WRIC	100-41-4		
Toluene	1080	ug/l	25.0	50.0	03/18/02 14:07	WRIC	108-88-3		
Xylene (Total)	2900	ug/l	50.0	50.0	03/18/02 14:07	WRIC	1330-20-7		
Methyl-tert-butyl ether	34.3	ug/l	25.0	50.0	03/18/02 14:07	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	105	%		1.0	03/18/02 14:07	WRIC			
4-Bromofluorobenzene (S)	93	%		1.0	03/18/02 14:07	WRIC	460-00-4		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8526443
Client Project ID: BP Site 11109

PARAMETER FOOTNOTES

ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
(S) Surrogate

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QUALITY CONTROL DATA

Lab Project Number: 8526443
Client Project ID: BP Site 11109

QC Batch: 66695 Analysis Method: EPA 8021
QC Batch Method: See analytical method Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851743134 851743135

METHOD BLANK: 851743880
Associated Lab Samples: 851743134 851743135

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/l	ND	0.500	
Ethylbenzene	ug/l	ND	0.500	
Toluene	ug/l	ND	0.500	
Xylene (Total)	ug/l	ND	1.50	
Methyl-tert-butyl ether	ug/l	ND	0.500	
1,4-Difluorobenzene (S)	%	99		
4-Bromofluorobenzene (S)	%	87		

LABORATORY CONTROL SAMPLE: 851743881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/l	50	53.44	107	
Ethylbenzene	ug/l	50	51.19	102	
Toluene	ug/l	50	51.49	103	
Xylene (Total)	ug/l	100	101.9	102	
Methyl-tert-butyl ether	ug/l	50	54.20	108	
1,4-Difluorobenzene (S)				101	
4-Bromofluorobenzene (S)				91	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851743882 851743883

Parameter	Units	851743134 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	0	50.00	51.99	51.55	104	103	1	
Ethylbenzene	ug/l	0	50.00	50.20	49.83	100	100	1	
Toluene	ug/l	0	50.00	50.11	49.63	100	99	1	
Xylene (Total)	ug/l	0	100.00	98.95	98.07	99	98	1	

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QUALITY CONTROL DATA

Lab Project Number: 8526443
Client Project ID: BP Site 11109

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851743882 851743883

Parameter	Units	851743134 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Methyl-tert-butyl ether	ug/l	11.64	50.00	62.41	62.35	102	101	0	
1,4-Difluorobenzene (S)						101	101		
4-Bromofluorobenzene (S)						92	92		

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QUALITY CONTROL DATA

Lab Project Number: 8526443
Client Project ID: BP Site 11109

QC Batch: 66696 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 8015 Modified Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851743134 851743135

METHOD BLANK: 851743884
Associated Lab Samples: 851743134 851743135

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline Range Organics	ug/l	ND	50.	
1,4-Difluorobenzene (S)	%	84		
4-Bromofluorobenzene (S)	%	74		

LABORATORY CONTROL SAMPLE: 851743885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline Range Organics	ug/l	1000	961.4	96	
1,4-Difluorobenzene (S)				109	
4-Bromofluorobenzene (S)				84	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851743886 851743887

Parameter	Units	851743134 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	61.76	1000.00	1008	990.0	95	93	2	
1,4-Difluorobenzene (S)						106	106		
4-Bromofluorobenzene (S)						85	86		

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Lab Project Number: 8526443
Client Project ID: BP Site 11109

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
RPD	Relative Percent Difference
(S)	Surrogate

BP

CHAIN OF CUSTODY

8526443

Page 1 of 1

CONSULTANT'S NAME	CONSULTANT'S ADDRESS		
Blaine Tech Services, Inc.	1680 Rogers Ave., San Jose CA 95112		
BP SITE NUMBER / GLOBAL ID	BP SITE / FACILITY ADDRESS		CONSULTANT PROJECT NUMBER
11109 / T0600100217	4280 Foothill, Oakland		020308-DW-2
CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Cindy Magyar	(408) 573-0555 x 221	(408) 573-7771	J966568
BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO.
Scott Hooton	295 SW 41st Street, Suite N, Renton WA	(425) 251-0689	(425) 251-0736
LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
Pace - Paula Kirtley	900 Gemini Ave., Houston, TX 77058	(281) 488-1810	(281) 488-4661

BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name)	DATE/TIME	SHIPMENT DATE	SHIPMENT METHOD

TAT: ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ Standard 7 or 14 Days

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL)	PRESERVATIVE LAB SAMPLE #	TPH-G + BTEX / MTBE (8015M) (8020)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)	COMMENTS
MW-3	3-8	~~1317~~ 1317	W	3	VOA		X	X	X		8574 3134
MW-5	3-8	1500	W	3	VOA		X	X	X		35

SAMPLED BY (Please Print Name): Dave Walter

SAMPLED BY (Signature): David C. Walter

ADDITIONAL COMMENTS: Cooler Temp. 3.3°C

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
Dave Walter / David C. Walter	~~3/11/02~~ ~~3-8-02~~	1324	AIRBORNE EXPRESS	3/11/02	1324
AIRBORNE			Paula McKinney / Pace	3/12/02	0945

Field
Data
Sheets

WELL GAUGING DATA

Project # 020318-80-3 Date 3/18/02 Client BP

Site 4280 Foothill BLVD, Oakland BP-11109

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	
MW-2	2					13.11	29.90	TOC	
MW-3	4					9.20	31.45		EXT
MW-4	4					11.62	26.59		
MW-5	4		No SPH (PVC Bailer in well			~~8.03~~ 8.03	32.58		EXT
MW-6	4					13.10	34.36		
MW-7	6	Pulled Pump to gauge				9.94	33.24		EXT
MW-8	2					10.72	29.35		
MW-9	2					9.68	29.25		
		MW-5	Pump out of well. Ext system not in-tact with casing						
		MW-7.	Intact. Pump not running						
		MW-3	Pump out of well Ext system not in-tact with casing						

WELL GAUGING DATA

Project # 020308-PW-2 Date 3-8-02 Client BF

Site 4280 Foothill Blvd 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	
MW-2	2					14.35	29.90		G
MW-3	4					9.83	31.45		S
MW-4	4					12.73	26.59		G
MW-5	4		9.95	1.50	3690 ml	11.45	32.10		S
MW-6	4					14.28	34.36		G
MW-7	6	Did not gauge - well inaccessible due to pumps					~~32.84~~		G
MW-8	2					11.18	29.35		G
MW-9	2					11.89	29.25	✓	G

BP WELL MONITORING DATA SHEET

Project #: 020308-DW-2	Station # BP
Sampler: Dave Walter	Date: 3-8-02
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 32.1	Depth to Water: 11.45
Depth to Free Product: 9.95	Thickness of Free Product (feet): ~~1.5~~ 1.5
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- X Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method:
- ~~Bailer~~
- X Disposable Bailer
- Extraction Port
- Other: ___

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume
13.4	X	3	=	40.2 Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:00	No results due to product			13.5	oily
	removed 3690 ml +			20 gal of	water

Did well dewater? Yes (No)		Gallons actually evacuated: 13.5	
Sampling Time: 15:00		Sampling Date: 3-8-02	
Sample I.D. (Blind): MW-5		Laboratory: (Pace)	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

WELL MONITORING DATA SHEET

Project #: 020308-DW-2	Client: BP
Sampler: Dave Walter	Start Date: 3-8-02
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 31.45	Depth to Water: 9.83
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- ~~Bailer~~
- X Disposable Bailer
- Extraction Port
- Other: _____

14.1 (Gals.) X 3 = 42.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:04	67.6	5.9	630	29	14.5	
13:08	67.9	6.2	1022	17	29.0	
13:12	67.6	6.3	1111	17	43.5	

Did well dewater? Yes No		Gallons actually evacuated: 43.5	
Sampling Time: 13:17		Sampling Date: 3-8-02	
Sample I.D.: MW-3		Laboratory: Pace	
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
ORP (if req'd): Pre-purge:	mV	Post-purge:	mV

MTBE Data Request

BP Project No: **11109** *4280 foothill blvd, oakland*

sample date	sample source	field ID#	Lab ID #	analysis date
12/29/1993	mw4		700222125	12/30/1993
12/29/1993	mw6		700222133	12/30/1993
12/29/1993	mw7		700222141	1/4/1994
12/29/1993	mw8		700222150	12/30/1993
12/29/1993	mw9		700222168	12/30/1993
4/7/1994	mw2		700301840	4/14/1994
4/7/1994	mw3		700301858	4/14/1994
4/7/1994	mw4		700301866	4/14/1994
4/7/1994	mw5		700301874	4/14/1994
4/7/1994	mw6		700301882	4/14/1994
4/7/1994	mw7		700301890	4/15/1994
4/7/1994	mw8		700301904	4/15/1994
4/7/1994	mw9		700301912	4/15/1994
7/6/1994	mw2	s3	700353190	7/12/1994
7/6/1994	mw3	s7	700353238	7/12/1994
7/6/1994	mw4	s4	700353203	7/12/1994
7/6/1994	mw5	s8	700353246	7/12/1994
7/6/1994	mw6	s5	700353211	7/12/1994
7/6/1994	mw7	s6	700353220	7/12/1994
7/6/1994	mw8	s1	700353173	7/12/1994
7/6/1994	mw9	s2	700353181	7/12/1994
10/7/1994	mw2	s4	700420970	10/13/1994
10/7/1994	mw3	s6	700420997	10/13/1994
10/7/1994	mw4	s5	700420989	10/13/1994
10/7/1994	mw5	s8	700421012	10/17/1994
10/7/1994	mw6	s3	700420962	10/13/1994
10/7/1994	mw7	s7	700421004	10/13/1994
10/7/1994	mw8	s1	700420946	10/13/1994
10/7/1994	mw9	s2	700420954	10/13/1994

Sequoia Analytical

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Scott Hooton
BP Oil
295 SW 41st St.
Renton, WA 98055

28-Nov-00

EPA 8020 Chromatogram Review

Site - 11109

Pace Sample #	Matrix / Units	Sample ID	Date Sampled	Date Run	Inst.	MTBE
70 0110726	Water / ug/L	MW-2	7/7/93	7/17/93	*	*
70 0110734	Water / ug/L	MW-3	7/7/93	7/16/93	70-Q-8	12.68
70 0110742	Water / ug/L	MW-4	7/7/93	7/16/93	70-Q-8	5.51
70 0110750	Water / ug/L	MW-6	7/7/93	7/16/93	70-Q-8	28.96
70 0110769	Water / ug/L	MW-7	7/7/93	7/16/93	70-Q-8	10.84
70 0110777	Water / ug/L	MW-8	7/7/93	7/19/93	70-Q-8	<5.0
70 0110785	Water / ug/L	MW-9	7/7/93	7/19/93	70-Q-8	<5.0
70 0110793	Water / ug/L	QC-1	7/7/93	7/19/93	70-Q-8	9.84
70 0110807	Water / ug/L	QC-2	7/7/93	7/19/93	*	*
70 0158850	Water / ug/L	MW-2	9/21/93	9/29/93	70-Q-8	21.54
70 0158907	Water / ug/L	MW-3	9/21/93	10/1/93	*	*
70 0158915	Water / ug/L	MW-4	9/21/93	9/30/93	*	*
70 0158923	Water / ug/L	MW-6	9/21/93	9/30/93	*	*
70 0158931	Water / ug/L	MW-7	9/21/93	9/30/93	*	*
70 0158940	Water / ug/L	MW-8	9/21/93	9/30/93	*	*
70 0158958	Water / ug/L	MW-9	9/21/93	9/30/93	*	*
70 0158966	Water / ug/L	QC-1	9/21/93	9/30/93	*	*
70 0158974	Water / ug/L	QC-2	9/21/93	9/30/93	*	*
70 0222109	Water / ug/L	MW-2	12/23/93	12/30/93	*	*
70 0222117	Water / ug/L	MW-3	12/23/93	12/30/93	*	*

The data for the following sampling events has been destroyed.
April 21, 1993

* No chromatograms could be located for these samples.

For all samples above, the MTBE results were quantitated against an actual MTBE standard. However, the results should still be considered estimated because the instrument may not have been calibrated for MTBE at the time of analysis and the identification of MTBE was not confirmed.

SEQUOIA ANALYTICAL

Peggy Penner
Laboratory Director

Sequoia Analytical

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Scott Hooton
BP Oil
295 SW 41st St.
Renton, WA 98055

9-May-01

EPA 8020 Chromatogram Review

Site - 11109

Pace Sample #	Matrix / Units	Sample ID	Date Sampled	Date Run	Inst.	MTBE
70 0222125	Water / ug/L	MW4	12/29/93	12/30/93	70-Q-5	5.7
70 0222133	Water / ug/L	MW6	12/29/93	12/30/93	70-Q-8	13.95
70 0222141	Water / ug/L	MW7	12/29/93	1/4/94	70-Q-8	7.81
70 0222150	Water / ug/L	MW8	12/29/93	12/30/93	70-Q-8	<5.0
70 0222168	Water / ug/L	MW9	12/29/93	12/30/93	70-Q-8	<5.0
70 0301840	Water / ug/L	MW2	4/7/94	4/14/94	70-Q-1Lease	12.2
70 0301858	Water / ug/L	MW3	4/7/94	4/14/94	70-Q-1Lease	18.2
70 0301866	Water / ug/L	MW4	4/7/94	4/14/94	70-Q-1Lease	11.7
70 0301874	Water / ug/L	MW5	4/7/94	4/14/94	70-Q-1Lease	2002
70 0301882	Water / ug/L	MW6	4/7/94	4/14/94	70-Q-1Lease	35.1
70 0301890	Water / ug/L	MW7	4/7/94	4/15/94	70-Q-1Lease	6.32
70 0301904	Water / ug/L	MW8	4/7/94	4/15/94	70-Q-1Lease	<5.0
70 0301912	Water / ug/L	MW9	4/7/94	4/15/94	70-Q-1Lease	<5.0
70 0353173	Water / ug/L	MW8	7/6/94	7/12/94	70-Q-7	<5.0
70 0353181	Water / ug/L	MW9	7/6/94	7/12/94	*	*
70 0353199	Water / ug/L	MW2	7/6/94	7/12/94	*	*
70 0353203	Water / ug/L	MW4	7/6/94	7/12/94	*	*
70 0353211	Water / ug/L	MW6	7/6/94	7/12/94	*	*
70 0353220	Water / ug/L	MW7	7/6/94	7/12/94	70-Q-5	<5.0
70 0353238	Water / ug/L	MW3	7/6/94	7/12/94	70-Q-5	5.54
70 0353246	Water / ug/L	MW5	7/6/94	7/12/94	70-Q-5	1141 **
70 0420946	Water / ug/L	MW8	10/7/94	10/13/94	70-Q-8	<5.0
70 0420954	Water / ug/L	MW9	10/7/94	10/13/94	70-Q-8	<5.0
70 0420962	Water / ug/L	MW6	10/7/94	10/13/94	70-Q-8	24.3
70 0420970	Water / ug/L	MW2	10/7/94	10/13/94	70-Q-8	15.2
70 0420989	Water / ug/L	MW4	10/7/94	10/13/94	70-Q-8	7.38
70 0420997	Water / ug/L	MW3	10/7/94	10/13/94	70-Q-8	31.4
70 0421004	Water / ug/L	MW7	10/7/94	10/13/94	70-Q-8	<5.0
70 0421012	Water / ug/L	MW5	10/7/94	10/17/94	70-Q-8	37.7

* No chromatograms could be located for these samples.

** The results for this sample was below the calibration range.

For all samples above, the MTBE results were quantitated against an actual MTBE standard. However, the results should still be considered estimated because the instrument may not have been calibrated for MTBE at the time of analysis and the identification of MTBE was not confirmed.

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SEQUOIA ANALYTICAL

Peggy Penner
Laboratory Director

WELL GAUGING DATA

Project # 020316-502 Date 3-18-02 Client EQUILON

Site 4411 FOOTHILL BLVD, 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 pre/post
*	S-1	4					5.04	24.58	TOB	5.6/6.1
*	S-2	4	STINGER				9.91	22.34		0.9/4.2
	S-3	4					7.03	20.47		1.1/4.7
	S-4	4					8.75	20.19		—
	* GAUGED W/ ORC'S IN WELL									

WELL GAUGING DATA

Project # 020329-DA-1 Date 3/29/07 Client Equiva

Site 4411 Foothill Blvd Oakland, CA 94611

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 pre/post
S-4*						8.49	20.19	TOC	3.0/3.1
* Gauged	toc	as wellbox	is	nearly	destroyed.				
	Estimate	dtw TOB	=			8.79	←	→	TOB

MONITORING WELL OBSERVATION SUMMARY SHEET

CHEVRON #: 9-0076 G-R JOB #: 386495

LOCATION: 4265 Foothill Blvd. DATE: 3.8.02

CITY: Oakland, CA TIME:

Well ID	Total Depth	Depth to Water	Product Thickness	TOB or TOC	Comments VOL. PURGED
C-1	38.05	10.06	0	TOC	32.0
C-2	35.95	14.29			25.0
C-3	39.22	17.78			24.0
C-4	39.30	16.78			26.0
C-5	43.85	18.18			13.0
C-6	53.69	21.08			17.0
C-7	50.88	24.80			13.0
C-8	56.14	25.30			16.0
C-9	45.25	25.00			10.0
					176.0 TOTAL

Comments:

Sampler: FT Assistant:

worksheet11/96

KIFF ANALYTICAL LLC

Report Number : 25698
Date : 4/11/2002

Leon Gearhart
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 1 Water Sample
Project Name : 4411 Foothill Boulevard, Oakland
Project Number : 020329-DA-2
P.O. Number : 98995746

Dear Mr. Gearhart,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 25698
Date : 4/11/2002

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **020329-DA-2**

Sample : **S-4** Matrix : Water Lab Number : 25698-01
Sample Date :3/29/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1700**	5.0	ug/L	EPA 8260B	4/10/2002
Toluene	**30**	5.0	ug/L	EPA 8260B	4/10/2002
Ethylbenzene	**280**	5.0	ug/L	EPA 8260B	4/10/2002
Total Xylenes	**250**	5.0	ug/L	EPA 8260B	4/10/2002
Methyl-t-butyl ether (MTBE)	**960**	50	ug/L	EPA 8260B	4/10/2002
TPH as Gasoline	**14000**	500	ug/L	EPA 8260B	4/10/2002
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	4/10/2002
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	4/10/2002

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 25698

Date : 4/11/2002

QC Report : Method Blank Data

Project Name : **4411 Foothill Boulevard, Oakland**

Project Number : **020329-DA-2**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/3/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/3/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/3/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/3/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	4/3/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/3/2002
Toluene - d8 (Surr)	98.4		%	EPA 8260B	4/3/2002
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	4/3/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 25698

Date : 4/11/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **4411 Foothill Boulevard,**

Project Number : **020329-DA-2**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	25685-01	<0.50	20.0	20.0	16.5	17.1	ug/L	EPA 8260B	4/3/02	82.4	85.7	3.96	70-130	25
Toluene	25685-01	<0.50	20.0	20.0	16.8	17.3	ug/L	EPA 8260B	4/3/02	84.0	86.8	3.22	70-130	25
Tert-Butanol	25685-01	<5.0	100	99.9	93.6	93.7	ug/L	EPA 8260B	4/3/02	93.6	93.8	0.187	70-130	25
Methyl-t-Butyl Ether	25685-01	<0.50	20.0	20.0	14.6	15.3	ug/L	EPA 8260B	4/3/02	73.2	76.8	4.87	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 25698

Date : 4/11/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : **4411 Foothill Boulevard,**

Project Number : **020329-DA-2**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	20.0	ug/L	EPA 8260B	4/3/02	86.3	70-130
Toluene	20.0	ug/L	EPA 8260B	4/3/02	89.1	70-130
Tert-Butanol	100	ug/L	EPA 8260B	4/3/02	94.1	70-130
Methyl-t-Butyl Ether	20.0	ug/L	EPA 8260B	4/3/02	74.0	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Sequoia
Analytical

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2 April, 2002

Joel Kiff
Kiff Analytical
720 Olive Drive, Suite D
Davis, CA 95616

RE: General
Sequoia Work Order: P203671

Enclosed are the results of analyses for samples received by the laboratory on 03/29/02 12:41. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Client Services Representative

CA ELAP Certificate #2374

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: [none]	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	04/02/02 17:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-4	P203671-01	Water	03/29/02 11:09	03/29/02 12:41

Sequoia Analytical - Petaluma

Angelee Cari

Angelee Cari, Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: [none]	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	04/02/02 17:59

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-4 (P203671-01) Water Sampled: 03/29/02 11:09 Received: 03/29/02 12:41									
Ferrous Iron	170	100	ug/l	1	2040076	03/29/02	03/29/02	SM 3500 Fe D#4	

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: [none]	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	04/02/02 17:59

Anions by EPA Method 300.0

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-4 (P203671-01) Water Sampled: 03/29/02 11:09 Received: 03/29/02 12:41									
Nitrate as N	ND	200	ug/l	1	2030718	03/29/02	03/29/02	EPA 300.0	
Sulfate as SO4	**4600**	1000	"	"	"	"	"	"	

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: [none]	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	04/02/02 17:59

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2040076 - General Preparation										
Blank (2040076-BLK1)				Prepared & Analyzed: 03/29/02						
Ferrous Iron	ND	100	ug/l							
LCS (2040076-BS1)				Prepared & Analyzed: 03/29/02						
Ferrous Iron	669	100	ug/l	800		84	80-120			
Matrix Spike (2040076-MS1)	**Source: P203671-01**			Prepared & Analyzed: 03/29/02						
Ferrous Iron	1840	100	ug/l	870	170	192	75-125			QM-07
Matrix Spike Dup (2040076-MSD1)	**Source: P203671-01**			Prepared & Analyzed: 03/29/02						
Ferrous Iron	1880	100	ug/l	870	170	197	75-125	2	20	QM-07

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: [none]	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	04/02/02 17:59

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030718 - General Preparation										
Blank (2030718-BLK1)				Prepared & Analyzed: 03/29/02						
Nitrate as N	ND	200	ug/l							
Sulfate as SO4	ND	1000	"							
LCS (2030718-BS1)				Prepared & Analyzed: 03/29/02						
Nitrate as N	9920	200	ug/l	10000		99	90-110			
Sulfate as SO4	10400	1000	"	10000		104	90-110			
Matrix Spike (2030718-MS1)	Source: P203440-06			Prepared & Analyzed: 03/29/02						
Nitrate as N	10500	400	ug/l	10000	ND	103	80-120			
Sulfate as SO4	15300	2000	"	10000	4300	110	80-120			
Matrix Spike Dup (2030718-MSD1)	Source: P203440-06			Prepared: 03/29/02 Analyzed: 03/30/02						
Nitrate as N	10600	400	ug/l	10000	ND	104	80-120	0.9	20	
Sulfate as SO4	15200	2000	"	10000	4300	109	80-120	0.7	20	

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: [none]	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	04/02/02 17:59

Notes and Definitions

QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.~~4803~~ 4808

Lab No. 25698 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Joel Kiff

Company/Address: 720 Olive Dr. Davis Calif.

Phone No.: (530) 297-4800 FAX No.: (530) 297-4808

Project Number: —— P.O. No: 25698

Project Address: 4411 FOOTHILL BOULEVARD, OAKLAND

Project Name: 4411 FOOTHILL BOULEVARD, OAKLAND

EDF Report? ☒ Yes ☐ No

Recommended but not mandatory to complete this section:
Sampling Company Log Code:

Global ID: T0600101065

EDF Deliverable To (Email Address): INBOX@KIFFANALYTICAL.COM

Sampler Signature:

Sample Designation	Date	Time	40 ml VOA	SLEEVE	POLY	AMBER	HCl	HNO_3	ICE	NONE	WATER	SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	NITRATE	SULFATE	FERROUS IRON	TAT 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
S-4	0309	1109			1	1							P203671-01													X	X	X	48 hr (circled)	

CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 16.4 °C

Relinquished by:	Date	Time	Received by:
John Cuttle / Kiff Analytical	030902	1241	[signature]
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:

Remarks: FERROUS IRON FIELD FILTERED

Bill to:

Distribution: White - Lab, Yellow - File, Pink - Originator

Forms/coc 121001.fh9

LAB: Kiff

EQUIVA Services LLC Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be invoiced:

Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

25698

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 4 6

SAP or CRMT NUMBER (TS/CRMT):

DATE: 3/29/02

PAGE: 1 of 1

SAMPLING COMPANY	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	4411 Foothill Boulevard, Oakland	T0600101065

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Anni Kreml	510-420-3335	ShellOaklandEDF@cambria-env.com	BTS # 070329-DA-2

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):
Leon Gearhart	408-573-0555	408-573-7771	lgearhart@blainetech.com	David Allbut

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☐ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☒ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)	Nitrate	Sulfate	Ferrous Iron	MTBE (8260B) Confirmation, See Note
	S-4	3/29/02	1109	W	5	X	X	X								X	X	X	

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°

Ferrous Iron Field - Filtered

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
David Allbut			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	John Cuttle / Kiff Analytical	032902	1155

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&D Graphic (714) 898-9702

KIFF ANALYTICAL LLC

Report Number : 25399
Date : 4/11/2002

Leon Gearhart
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 3 Water Samples
Project Name : 4411 Foothill Boulevard, Oakland
Project Number : 020318-S0-2
P.O. Number : 98995746

Dear Mr. Gearhart,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 25399
Date : 4/11/2002

Subject : 3 Water Samples
Project Name : 4411 Foothill Boulevard, Oakland
Project Number : 020318-S0-2
P.O. Number : 98995746

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for sample S-1. Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples S-2 and S-3.Matrix Spike/Matrix Spike Duplicate Results associated with sample S-1 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 25399
Date : 4/11/2002

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **020318-S0-2**

Sample : **S-1** Matrix : Water Lab Number : 25399-01
Sample Date :3/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**40**	0.50	ug/L	EPA 8260B	3/22/2002
Toluene	**370**	0.50	ug/L	EPA 8260B	3/22/2002
Ethylbenzene	**560**	2.5	ug/L	EPA 8260B	3/24/2002
Total Xylenes	**2000**	2.5	ug/L	EPA 8260B	3/24/2002
Methyl-t-butyl ether (MTBE)	**20**	5.0	ug/L	EPA 8260B	3/22/2002
TPH as Gasoline	**7500**	250	ug/L	EPA 8260B	3/24/2002
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	3/22/2002
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	3/22/2002
TPH as Diesel	**< 300**	300	ug/L	M EPA 8015	4/10/2002

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 25399
Date : 4/11/2002

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **020318-S0-2**

Sample : **S-2** Matrix : Water Lab Number : 25399-02

Sample Date :3/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**93**	20	ug/L	EPA 8260B	3/30/2002
Toluene	**< 20**	20	ug/L	EPA 8260B	3/30/2002
Ethylbenzene	**35**	20	ug/L	EPA 8260B	3/30/2002
Total Xylenes	**100**	20	ug/L	EPA 8260B	3/30/2002
Methyl-t-butyl ether (MTBE)	**7500**	200	ug/L	EPA 8260B	3/30/2002
TPH as Gasoline	**3700**	2000	ug/L	EPA 8260B	3/30/2002
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	3/30/2002
4-Bromofluorobenzene (Surr)	97.7		% Recovery	EPA 8260B	3/30/2002
TPH as Diesel	**14000**	50	ug/L	M EPA 8015	4/10/2002

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 25399
Date : 4/11/2002

Project Name : **4411 Foothill Boulevard, Oakland**
Project Number : **020318-S0-2**

Sample : **S-3** Matrix : Water Lab Number : 25399-03
Sample Date :3/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**61**	0.50	ug/L	EPA 8260B	3/30/2002
Toluene	**120**	0.50	ug/L	EPA 8260B	3/30/2002
Ethylbenzene	**130**	0.50	ug/L	EPA 8260B	3/30/2002
Total Xylenes	**620**	2.0	ug/L	EPA 8260B	3/29/2002
Methyl-t-butyl ether (MTBE)	**5.0**	5.0	ug/L	EPA 8260B	3/30/2002
TPH as Gasoline	**3800**	50	ug/L	EPA 8260B	3/30/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	3/30/2002
4-Bromofluorobenzene (Surr)	99.4		% Recovery	EPA 8260B	3/30/2002
TPH as Diesel	**810**	50	ug/L	M EPA 8015	4/9/2002

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 25399

Date : 4/11/2002

QC Report : Method Blank Data

Project Name : **4411 Foothill Boulevard, Oakland**

Project Number : **020318-S0-2**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	4/1/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/29/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	3/29/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/29/2002
Toluene - d8 (Surr)	96.3		%	EPA 8260B	3/29/2002
4-Bromofluorobenzene (Surr)	94.5		%	EPA 8260B	3/29/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/22/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	3/22/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/22/2002
Toluene - d8 (Surr)	102		%	EPA 8260B	3/22/2002
4-Bromofluorobenzene (Surr)	96.4		%	EPA 8260B	3/22/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 25399

Date : 4/11/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **4411 Foothill Boulevard,**

Project Number : **020318-S0-2**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	843	896	ug/L	M EPA 8015	4/1/02	84.3	89.6	6.10	70-130	25
Benzene	25556-01	<0.50	20.0	19.9	20.3	20.0	ug/L	EPA 8260B	3/29/02	102	100	1.33	70-130	25
Toluene	25556-01	<0.50	20.0	19.9	19.1	18.6	ug/L	EPA 8260B	3/29/02	95.8	93.9	1.95	70-130	25
Tert-Butanol	25556-01	<5.0	99.8	99.3	96.4	94.8	ug/L	EPA 8260B	3/29/02	96.6	95.4	1.24	70-130	25
Methyl-t-Butyl Ether	25556-01	4.3	20.0	19.9	22.2	22.1	ug/L	EPA 8260B	3/29/02	90.0	90.0	0.104	70-130	25
Benzene	25401-02	61	40.0	40.0	104	99.8	ug/L	EPA 8260B	3/22/02	107	97.3	9.50	70-130	25
Toluene	25401-02	<0.50	40.0	40.0	44.0	43.4	ug/L	EPA 8260B	3/22/02	110	109	1.24	70-130	25
Tert-Butanol	25401-02	20	200	200	224	230	ug/L	EPA 8260B	3/22/02	102	105	2.92	70-130	25
Methyl-t-Butyl Ether	25401-02	270	40.0	40.0	307	295	ug/L	EPA 8260B	3/22/02	86.2	56.6	41.5	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 25399

Date : 4/11/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : **4411 Foothill Boulevard,**

Project Number : **020318-S0-2**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/28/02	104	70-130
Toluene	40.0	ug/L	EPA 8260B	3/28/02	99.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/28/02	97.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/28/02	92.3	70-130
Benzene	40.0	ug/L	EPA 8260B	3/22/02	108	70-130
Toluene	40.0	ug/L	EPA 8260B	3/22/02	113	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/22/02	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/22/02	96.2	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Sequoia
Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

28 March, 2002

Joel Kiff
Kiff Analytical
720 Olive Drive, Suite D
Davis, CA 95616

RE: General
Sequoia Work Order: P203358

Enclosed are the results of analyses for samples received by the laboratory on 03/18/02 14:04. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Client Services Representative

CA ELAP Certificate #2374

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 4411 Foothill Blvd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	03/28/02 13:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	P203358-01	Water	03/18/02 11:14	03/18/02 14:04
S-2	P203358-02	Water	03/18/02 11:46	03/18/02 14:04
S-3	P203358-03	Water	03/18/02 12:24	03/18/02 14:04

Sequoia Analytical - Petaluma

Angelee Cari

Angelee Cari, Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 4411 Foothill Blvd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	03/28/02 13:46

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (P203358-01) Water Sampled: 03/18/02 11:14 Received: 03/18/02 14:04									
Ferrous Iron	ND	100	ug/l	1	2030500	03/18/02	03/18/02	SM 3500 Fe D#4	
S-2 (P203358-02) Water Sampled: 03/18/02 11:46 Received: 03/18/02 14:04									
Ferrous Iron	ND	100	ug/l	1	2030500	03/18/02	03/18/02	SM 3500 Fe D#4	
S-3 (P203358-03) Water Sampled: 03/18/02 12:24 Received: 03/18/02 14:04									
Ferrous Iron	**300**	100	ug/l	1	2030500	03/18/02	03/18/02	SM 3500 Fe D#4	

Sequoia Analytical

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Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 4411 Foothill Blvd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	03/28/02 13:46

Anions by EPA Method 300.0

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (P203358-01) Water Sampled: 03/18/02 11:14 Received: 03/18/02 14:04									
Nitrate as N	ND	200	ug/l	1	2030423	03/18/02	03/18/02	EPA 300.0	
Sulfate as SO4	**2300**	1000	"	"	2030623	03/26/02	03/26/02	"	
S-2 (P203358-02) Water Sampled: 03/18/02 11:46 Received: 03/18/02 14:04									
Nitrate as N	ND	200	ug/l	1	2030423	03/18/02	03/18/02	EPA 300.0	
Sulfate as SO4	**5000**	1000	"	"	2030623	03/26/02	03/26/02	"	
S-3 (P203358-03) Water Sampled: 03/18/02 12:24 Received: 03/18/02 14:04									
Nitrate as N	**3900**	200	ug/l	1	2030423	03/18/02	03/18/02	EPA 300.0	
Sulfate as SO4	**26000**	1000	"	"	2030623	03/26/02	03/26/02	"	

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 4411 Foothill Blvd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	03/28/02 13:46

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030500 - General Preparation										
Blank (2030500-BLK1)				Prepared & Analyzed: 03/18/02						
Ferrous Iron	ND	100	ug/l							
LCS (2030500-BS1)				Prepared & Analyzed: 03/18/02						
Ferrous Iron	833	100	ug/l	800		104	80-120			
Matrix Spike (2030500-MS1)	**Source: P203358-01**			Prepared & Analyzed: 03/18/02						
Ferrous Iron	ND	100	ug/l	870	ND	11	75-125			QM-07
Matrix Spike Dup (2030500-MSD1)	**Source: P203358-01**			Prepared & Analyzed: 03/18/02						
Ferrous Iron	ND	100	ug/l	870	ND	11	75-125	0	20	QM-07

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 4411 Foothill Blvd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	03/28/02 13:46

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030423 - General Preparation										
Blank (2030423-BLK1)				Prepared & Analyzed: 03/18/02						
Nitrate as N	ND	200	ug/l							
LCS (2030423-BS1)				Prepared & Analyzed: 03/18/02						
Nitrate as N	10700	200	ug/l	10000		107	90-110			
Matrix Spike (2030423-MS1)	Source: P203358-01			Prepared & Analyzed: 03/18/02						
Nitrate as N	8740	400	ug/l	10000	ND	87	80-120			
Matrix Spike Dup (2030423-MSD1)	Source: P203358-01			Prepared & Analyzed: 03/18/02						
Nitrate as N	10500	400	ug/l	10000	ND	105	80-120	18	20	
Batch 2030623 - General Preparation										
Blank (2030623-BLK1)				Prepared & Analyzed: 03/26/02						
Sulfate as SO4	ND	1000	ug/l							
LCS (2030623-BS1)				Prepared & Analyzed: 03/26/02						
Sulfate as SO4	10400	1000	ug/l	10000		104	90-110			
Matrix Spike (2030623-MS1)	Source: P203361-04			Prepared: 03/26/02 Analyzed: 03/27/02						
Sulfate as SO4	11200	2000	ug/l	10000	4100	71	80-120			QM-07
Matrix Spike Dup (2030623-MSD1)	Source: P203361-04			Prepared: 03/26/02 Analyzed: 03/27/02						
Sulfate as SO4	11400	2000	ug/l	10000	4100	73	80-120	2	20	QM-07

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 4411 Foothill Blvd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	03/28/02 13:46

Notes and Definitions

QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 25399 Page ____ of ____

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Joel Kiff

Company/Address: 720 Olive Drive, Ste. D, Davis

Phone No.: 530-297-4800 FAX No.: 530-297-4808

Project Number: —— P.O. No.: 25399

Project Address: 4411 FOOTHILL BOULEVARD, OAKLAND

Project Name: 4411 FOOTHILL BOULEVARD, OAKLAND

EDF Report? ☒ Yes ☐ No

Recommended but not mandatory to complete this section:
Sampling Company Log Code: . . .

Global ID: T0600010106S

EDF Deliverable To (Email Address): INBOX@KIFFANALYTICAL.COM

Sampler Signature:

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: SLEEVE	Container: AMBER	Container: POLY	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL
S-1	3/15/02	1114			2	1	P203358					1
S-2	↓	1146			2	1						2
S-3	↓	1224			2	1						3

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 14.2°

Analysis Request

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2)	TOTAL (X) W.E.T. (X)	NITRATE	SULFATE	FERROUS IRON	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
														X	X	X		
														X	X	X		
														X	X	X		

Relinquished by:	Date	Time	Received by:	Date	Time
John Cutts / Kiff Analytical	03182	1404		3-18-02	1404
Relinquished by:	Date	Time	Received by:		
Relinquished by:	Date	Time	Received by Laboratory:		

Remarks: * FERROUS IRON WAS FIELD FILTERED INTO NP AMBER "F" DENOTED ON SAMPLE LABEL BLACK CAPS

Bill to:

Distribution: White - Lab, Yellow - File, Pink - Originator

Forms/coc 121001.fh9

LAB: KiFP

EQUIVA Services LLC Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

2-5999

INCIDENT NUMBER (S&E ONLY): 98995746

SAP or CRMT NUMBER (TS/CRMT):

DATE: 3/18/02

PAGE: 1 of 1

SAMPLING COMPANY	LOG CODE	SITE ADDRESS (Street and City)	GLOBAL ID NO.
Blaine Tech Services	BTSS	4411 Foothill Boulevard, Oakland	T0600101065

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart

TELEPHONE: 408-573-0555 FAX: 408-573-7771 E-MAIL: lgearhart@blainetech.com

EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml PHONE NO.: 510-420-3335 E-MAIL: ShellOaklandEDF@cambria-env.com CONSULTANT PROJECT NO.: BTS # 020318-SO-2

SAMPLER NAME(S) (Print): Shawn O'Bryan

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☐ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

Fax A copy of COC to Leon Gearhart @ 408-573-7771.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)	Nitrate	Sulfate	Ferrous Iron	MTBE (8260B) Confirmation, See Note
-01	S-1	3/18/02	1114	W	8	X	X	X							X	X	X	X	
-02	S-2	↓	1146	↓	↓	X	X	X							X	X	X	X	
-03	S-3	↓	1224	↓	↓	X	X	X							X	X	X	X	

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°

Ferrous Iron was Field Filtered into NP Amber. "F" Denoted on Sample label. Black Caps

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cerutti Kiff Analytical	Date: 031802	Time: 1257

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 799858. Samples arrived at the laboratory on Tuesday, March 12, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description			Lancaster Labs Number
QA-T-020308	NA	Water	3786152
C-1-W-020308	Grab	Water	3786153
C-2-W-020308	Grab	Water	3786154
C-3-W-020308	Grab	Water	3786155
C-4-W-020308	Grab	Water	3786156
C-5-W-020308	Grab	Water	3786157
C-6-W-020308	Grab	Water	3786158
C-7-W-020308	Grab	Water	3786159
C-8-W-020308	Grab	Water	3786160
C-9-W-020308	Grab	Water	3786161

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Delta C/O Gettler-Ryan Attn: Deanna L. Harding

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Questions? Contact your Client Services Representative
Teresa M Lis at (717) 656-2300.

Respectfully Submitted,

Steven A. Skiles
Sr. Chemist

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Lancaster Laboratories Sample No. WW 3786152

Collected:03/08/2002 00:00

Account Number: 10905

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:07
Discard: 04/18/2002
QA-T-020308 NA Water GRD

Facility# 90076 Job# 386495
4265 Foothill-Oakland T0600100339 QA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/13/2002 21:23	Melissa-Ann S McAlpine	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 21:23	Melissa-Ann S McAlpine	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/13/2002 21:23	Melissa-Ann S McAlpine	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3786153

Collected:03/08/2002 15:38 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:07
Discard: 04/18/2002
C-1-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	3,600.	100.	ug/l	2
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	1,400.	2.0	ug/l	10
00777	Toluene	108-88-3	9.5	0.50	ug/l	2
00778	Ethylbenzene	100-41-4	17.	0.50	ug/l	2
00779	Total Xylenes	1330-20-7	6.5	1.5	ug/l	2
00780	Methyl tert-Butyl Ether	1634-04-4	1,900.	3.0	ug/l	10
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/14/2002 15:20	Linda C Pape	2
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 23:08	Melissa-Ann S McAlpine	10
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/14/2002 15:20	Linda C Pape	2
01146	GC VOA Water Prep	SW-846 5030B	1	03/14/2002 15:20	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3786154

Collected:03/08/2002 18:53 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:07
Discard: 04/18/2002
C-2-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	26,000.	1,000.	ug/l	20
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	2,900.	4.0	ug/l	20
00777	Toluene	108-88-3	390.	4.0	ug/l	20
00778	Ethylbenzene	100-41-4	1,200.	4.0	ug/l	20
00779	Total Xylenes	1330-20-7	2,800.	12.	ug/l	20
00780	Methyl tert-Butyl Ether	1634-04-4	1,100.	6.0	ug/l	20
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/13/2002 23:43	Melissa-Ann S McAlpine	20
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 23:43	Melissa-Ann S McAlpine	20
01146	GC VOA Water Prep	SW-846 5030B	1	03/13/2002 23:43	Melissa-Ann S McAlpine	n.a.

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Collected:03/08/2002 14:44 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:07
Discard: 04/18/2002
C-3-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	82.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	5.4	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	68.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/14/2002 02:17	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/14/2002 02:17	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/14/2002 02:17	Linda C Pape	n.a.

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Collected:03/08/2002 18:07 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:07
Discard: 04/18/2002
C-4-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	7,000.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	1,300.	2.0	ug/l	10
00777	Toluene	108-88-3	67.	2.0	ug/l	10
00778	Ethylbenzene	100-41-4	280.	2.0	ug/l	10
00779	Total Xylenes	1330-20-7	390.	6.0	ug/l	10
00780	Methyl tert-Butyl Ether	1634-04-4	610.	3.0	ug/l	10
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/14/2002 02:52	Linda C Pape	10
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/14/2002 02:52	Linda C Pape	10
01146	GC VOA Water Prep	SW-846 5030B	1	03/14/2002 02:52	Linda C Pape	n.a.

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Collected:03/08/2002 13:54 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:07
Discard: 04/18/2002
C-5-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	3.5	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/14/2002 03:27	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/14/2002 03:27	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/14/2002 03:27	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeds target detection limit
N.D.=Not detected at or above the Reporting Limit

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Collected:03/08/2002 16:19 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:08
Discard: 04/18/2002
C-6-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	600.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	33.	0.50	ug/l	1
00777	Toluene	108-88-3	0.91	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	1.8	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	90.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/14/2002 04:02	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/14/2002 04:02	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/14/2002 04:02	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3786159

Collected:03/08/2002 17:28 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:08
Discard: 04/18/2002
C-7-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	3,900.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project, A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	380.	1.0	ug/l	5
00777	Toluene	108-88-3	21.	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	110.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	160.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	N.D. #	20.	ug/l	5
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/14/2002 04:36	Linda C Pape	5

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3786159

Collected:03/08/2002 17:28 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:08
Discard: 04/18/2002
C-7-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-7

08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/14/2002 04:36	Linda C Pape	5
01146	GC VOA Water Prep	SW-846 5030B	1	03/14/2002 04:36	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3786160

Collected:03/08/2002 13:14 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:08
Discard: 04/18/2002
C-8-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/14/2002 05:11	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/14/2002 05:11	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/14/2002 05:11	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3786161

Collected:03/08/2002 12:24 by FT

Account Number: 10905

Submitted: 03/12/2002 09:25
Reported: 03/18/2002 at 17:08
Discard: 04/18/2002
C-9-W-020308 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 90076 Job# 386495 GRD
4265 Foothill-Oakland T0600100339 C-9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/14/2002 05:46	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/14/2002 05:46	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/14/2002 05:46	Linda C Pape	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Quality Control Summary

Client Name: Chevron Products Company
Reported: 03/18/02 at 05:08 PM

Group Number: 799858

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02072A51A	Sample number(s): 3786152-3786161							
Benzene	N.D.	0.5	ug/l	108	107	80-118	1	30
Toluene	N.D.	0.5	ug/l	108	107	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	108	106	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	109	106	82-120	2	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	108	108	79-127	0	30
TPH-GRO - Waters	N.D.	50.	ug/l	96	95	76-126	1	30
Batch number: 02072A51B	Sample number(s): 3786153							
Toluene	N.D.	0.5	ug/l	108	107	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	108	106	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	109	106	82-120	2	30
TPH-GRO - Waters	N.D.	50.	ug/l	96	95	76-126	1	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02072A51A	Sample number(s): 3786152-3786161								
Benzene	105		77-131						
Toluene	110		80-128						
Ethylbenzene	107		76-132						
Total Xylenes	108		76-132						
Methyl tert-Butyl Ether	104		61-144						
TPH-GRO - Waters	96		74-132						
Batch number: 02072A51B	Sample number(s): 3786153								
Toluene	110		80-128						
Ethylbenzene	107		76-132						
Total Xylenes	108		76-132						
TPH-GRO - Waters	96		74-132						

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 02072A51A

	Trifluorotoluene-F	Trifluorotoluene-P
3786152	98	96
3786154	110	108
3786155	100	95
3786156	105	106
3786157	98	99
3786158	120	118

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Quality Control Summary

Client Name: Chevron Products Company
Reported: 03/18/02 at 05:08 PM

Group Number: 799858

Surrogate Quality Control

3786159	108	108
3786160	99	96
3786161	99	98
Blank	99	97
LCS	114	98
LCSD	112	99
MS	111	96
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02072A51B

	Trifluorotoluene-F	Trifluorotoluene-P
3786153	108	104
Blank	97	98
LCS	114	98
LCSD	112	99
MS	111	96
Limits:	67-135	71-130

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: 10905 For Lancaster Laboratories use only Sample #: 378452 - 61 SCR#:

110302-004

Facility #: 9-0076 Job#386495 Global ID# T0600100339
Site Address: 4265 Foothill Blvd., Oakland, CA
Chevron PM: Thomas Bauhs Lead Consultant: Delta/G-R
Consultant/Office: G-R Inc, 6747 Sierra Ct, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding Deanna@grinc.com
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Frank Terrinoni
Service Order #: ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
								Preservation Codes	H	H				
QA	3.8.02					W		2	X	X				
C-1		1538	X					3	X	X				
C-2		1853	X					3	X	X				
C-3		1444	X					3	X	X				
C-4		1807	X					3	X	X				
C-5		1354	X					3	X	X				
C-6		1619	X					3	X	X				
C-7		1728	X					3	X	X				
C-8		1314	X					3	X	X				
C-9		1224	X					3	X	X				

Analyses Requested

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
	3.8.02			3/11/02	1210
	3/11/02	1315		3/1/02	1315
	3-11-02	1500		3/1/02	

Relinquished by Commercial Carrier: UPS FedEx Other Air Borne
Temperature Upon Receipt 2.0 C°
Received by: Airborne
Received by: 03/12/02 0925
Custody Seals Intact? Yes No

3460 Rev. 7/30/0

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.