



Atlantic Richfield Company
(a BP affiliated company)

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R⁰ 426

Alameda County

JAN 27 2004

Environmental Health

January 23, 2004

Fourth Quarter 2003 Groundwater Monitoring Report
Former BP Service Station #11109
4280 Foothill Boulevard
Oakland, CA
URS Project #3848456

I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple
Environmental Business Manager



January 23, 2004

Mr. Amir Gholami
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Alameda County
JAN 27 2004
Environmental Health

Re: **Fourth Quarter 2003 Groundwater Monitoring Report
Former BP Service Station #11109
4280 Foothill Boulevard
Oakland, California
URS Project #38486456**

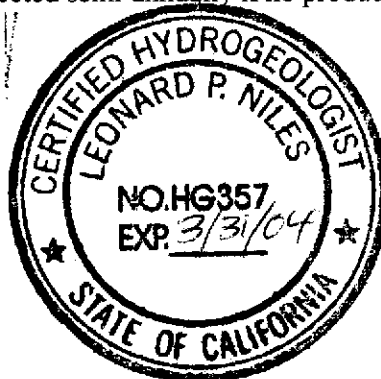
Dear Mr. Gholami:

On behalf of the Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *Fourth Quarter 2003 Groundwater Monitoring Report* for the Former BP Service Station #11109, located at 4280 Foothill Boulevard, Oakland, California. Prior to 4th quarter 2003, only MW-3 and MW-5 were being sampled annually. URS sampled onsite wells MW-2, MW-3, MW-4, MW-6 and MW-7 as a one-time event during 4th quarter 2003 to further evaluate groundwater conditions. Based on the analytical results of this sample event, URS proposes revising the sampling schedule to semi-annual in the 1st and 3rd quarters for wells MW-2, MW-4 and MW-7 and annually in the 1st quarter for wells MW-3, MW-6, MW-8 and MW-9. Free product bailing will be conducted monthly in well MW-5, with samples to be collected semi-annually if no product is present.

Sincerely,

URS CORPORATION

Leonard P. Niles
Leonard P. Niles, R.G./C.H.G.
Senior Geologist/ Project Manager



Enclosure: Fourth Quarter 2003 Groundwater Monitoring Report

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893.3600
Fax: 510.874.3268



cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)
Ms. Liz Sewell, Conoco Phillips, 76 Broadway, Sacramento, CA 95818
David Williams, City of Fremont, Development and Environmental Services Department,
39550 Liberty Street, Fremont, CA 94538-2211

R E P O R T

**FOURTH QUARTER 2003
GROUNDWATER MONITORING**

**FORMER BP SERVICE STATION #11109
4280 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA**

Prepared for
BP

January 23, 2004

URS

URS Corporation
500 12th Street, Suite 200
Oakland, California 94607

38486456

Date: January 23, 2004

Quarter: 4Q 03

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 11109 Address: 4280 Foothill Blvd., Oakland, CA
ARCO Environmental Business Manager: Paul Supple
Consulting Co./Contact Person: URS Corporation / Leonard Niles
Consultant Project No.: 38486456
Primary Agency: Alameda County Health Care Services Agency

WORK PERFORMED THIS QUARTER (Fourth – 2003):

1. Performed fourth quarter 2003 groundwater monitoring event on December 9, 2003.
2. Performed monthly free product gauging and bailing of well MW-5.

WORK PROPOSED FOR NEXT QUARTER (First – 2004):

1. Prepared and submitted fourth quarter 2003 groundwater monitoring report.
2. Perform first quarter 2004 groundwater monitoring event.
3. Prepare and submit first quarter 2004 groundwater monitoring report.
4. Perform monthly free product gauging and bailing of well MW-5

Current Phase of Project: GW monitoring / sampling/ Free Product (FP) bailing
Frequency of Groundwater Sampling: One-time: Wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-7 (4th quarter 2003)
Proposed annually: Wells MW-8, MW-9, MW-3, MW-6 (1st quarter)
Proposed semi-annually: MW-2, MW-4, MW-5 (if no product present), MW-7 (1st and 3rd quarters)
Frequency of Groundwater Monitoring: Proposed semi-annually: Wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9
Current Remediation Techniques: Monthly FP bailing in MW-5
FP Removed this Quarter: 0.20 gallons
Cumulative FP Removed: 0.74 gallons
Approximate Depth to Groundwater Gradient: 11.44 (MW-5) to 18.58 (MW-2) feet
Groundwater Gradient: West
Groundwater Gradient (magnitude): 0.02 feet per foot (on-site)

DISCUSSION:

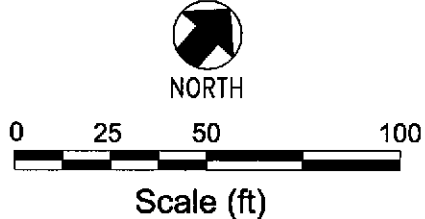
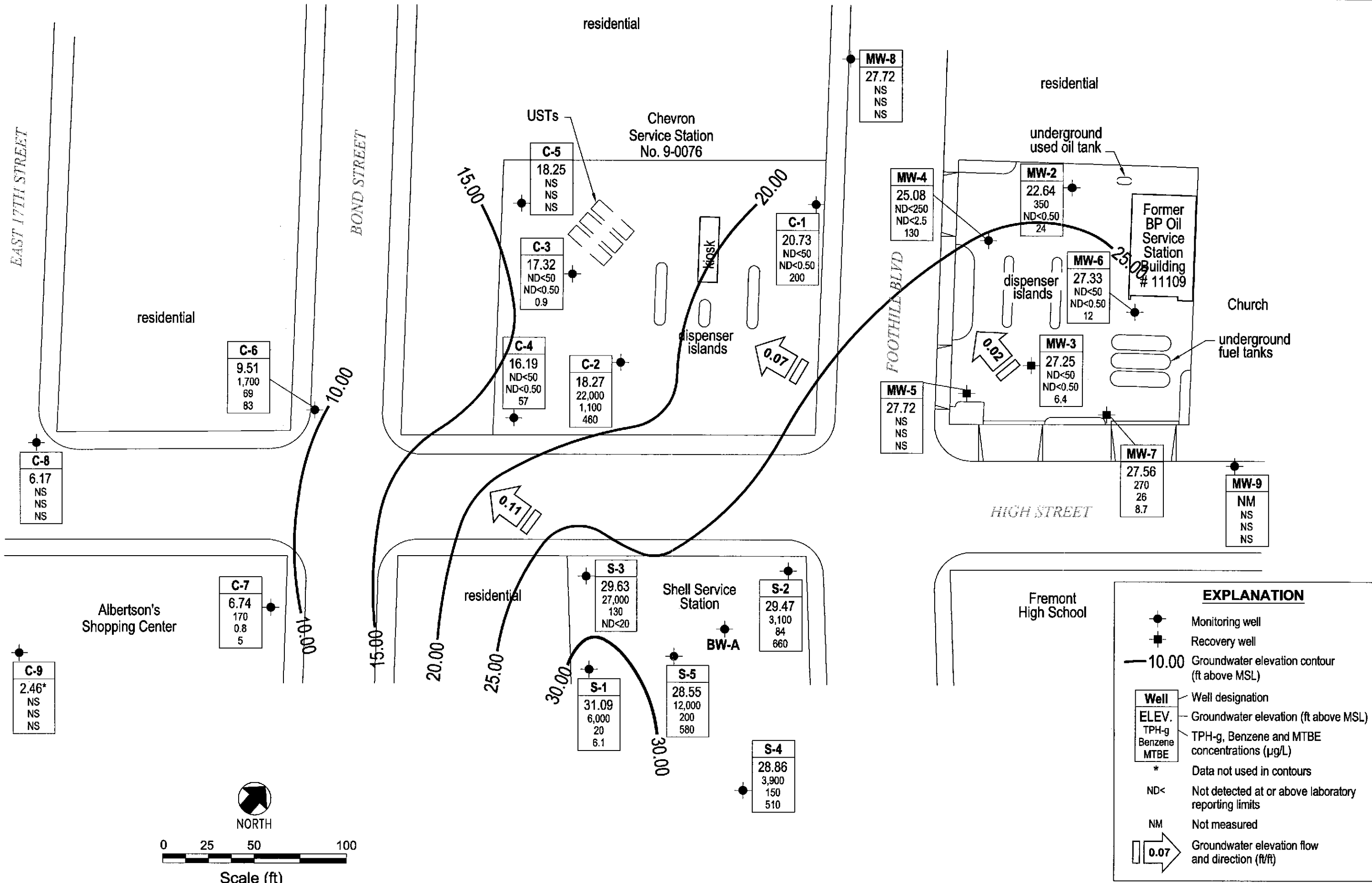
TPH-g was detected above laboratory reporting limits in two of the five wells sampled this quarter at concentrations of 350 µg/L (MW-2) and 270 µg/L (MW-7). Benzene was detected above laboratory reporting limits in one well at a concentration of 26 µg/L (MW-7). MTBE was detected above laboratory reporting limits in five wells at concentrations ranging from 6.4 µg/L (MW-3) to 130 µg/L (MW-4). Groundwater samples collected during this event were also analyzed for fuel oxygenates, including ethanol, by EPA Method 8260B. Other than MTBE, only TAME was detected above the laboratory reporting limits in one well at a concentration of 2.7 µg/L (MW-4). Groundwater flow direction on-site was to the west at a calculated hydraulic gradient of 0.02 feet per foot.

Prior to 4th quarter 2003, only MW-3 and MW-5 were being sampled annually. URS sampled onsite wells MW-2, MW-3, MW-4, MW-6 and MW-7 as a one-time event during 4th quarter 2003 to further evaluate groundwater conditions. Based on the analytical results of this sample event, URS proposes revising the sampling schedule to semi-annual in the 1st and 3rd quarters for wells MW-2, MW-4 and MW-7 and annually in the 1st quarter for wells MW-3, MW-6, MW-8 and MW-9. Free product bailing will be conducted monthly in well MW-5, with samples to be collected semi-annually if no product is present.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – December 9, 2003
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Table 3 – Free Product Removal
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – EDCC Report and EDF/Geowell Submittal Confirmation
- Attachment D – Joint Monitoring Data

X:\env\waste\BP_GEM\Site\Niles_Sites\1109\Reports\Monitoring\Ctr. 4. 2003\Drawings\GWEC-AS_12-9.dwg, 01/14/2004 04:32:51 PM, JKMT, URS



NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38486456	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2003 (December 9, 2003)	FIGURE 1
	Former BP Service Station #11109 4280 Foothill Boulevard Oakland, California		

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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	1/31/1990	38.19	15.41	---	22.78	---	---	---	---	---	---	---	---	---	---	---
MW-1 (c)	2/5/1990	38.19	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	2/5/1990	41.22	21.90	---	19.31	1300	---	14	ND<0.1	9	13	---	---	---	---	SUP
MW-2	2/14/1991	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	5/13/1991	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	7/24/1991	41.22	22.92	---	18.30	---	---	---	---	---	---	---	---	---	---	---
MW-2	10/3/1991	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	10/15/1991	41.22	24.10	---	17.12	---	---	---	---	---	---	---	---	---	---	---
MW-2 (f)	12/4/1991	41.22	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/16/1991	41.22	23.95	---	17.27	---	---	---	---	---	---	---	---	---	---	---
MW-2	1/6/1992	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	1/22/1992	41.22	23.14	---	18.08	---	---	---	---	---	---	---	---	---	---	---
MW-2	1/28/1992	41.22	22.99	---	18.23	---	---	---	---	---	---	---	---	---	---	---
MW-2	2/5/1992	41.22	22.63	---	18.59	---	---	---	---	---	---	---	---	---	---	---
MW-2	2/12/1992	41.22	22.04	---	19.18	---	---	---	---	---	---	---	---	---	---	---
MW-2	2/17/1992	41.22	20.84	---	20.38	---	---	---	---	---	---	---	---	---	---	---
MW-2	4/3/1992	41.22	18.29	---	22.93	---	---	---	---	---	---	---	---	---	---	---
MW-2	4/8/1992	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	4/14/1992	41.22	19.45	---	21.77	---	---	---	---	---	---	---	---	---	---	---
MW-2	4/29/1992	41.22	20.35	---	20.87	---	---	---	---	---	---	---	---	---	---	---
MW-2	5/7/1992	41.22	20.84	---	20.38	---	---	---	---	---	---	---	---	---	---	---
MW-2	7/3/1992	41.22	22.34	---	18.88	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	10/8/1992	41.22	23.73	---	17.49	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	12/31/1992	41.22	21.12	---	20.10	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-2	4/21/1993	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	7/7/1993	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	9/21/1993	41.22	21.93	---	19.29	ND<50	---	0.9	0.7	1	2.6	21.54 (n)	---	---	---	PACE
MW-2	12/17/1993	41.22	21.48	---	19.74	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/23/1993	41.22	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.7	---	(n) ---	---	---	PACE
MW-2	4/7/1994	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	7/6/1994	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	10/7/1994	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	1/27/1995	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

**Table 1
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4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (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	3/30/1995	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	6/20/1995	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	10/3/1995	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
MW-2	12/6/1995	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	3/21/1996	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	6/21/1996	41.22	13.28	---	27.94	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	7.3	SPL
MW-2	9/6/1996	41.22	13.94	---	27.28	---	---	---	---	---	---	---	---	---	---	---
MW-2	9/9/1996	41.22	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.4	SPL
MW-2	12/19/1996	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	3/17/1997	41.22	11.59	---	29.63	---	---	---	---	---	---	---	---	---	---	---
MW-2	8/12/1997	41.22	13.21	---	28.01	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/10/1997	41.22	12.34	---	28.88	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/12/1998	41.22	11.04	---	30.18	---	---	---	---	---	---	---	---	---	---	---
MW-2	6/23/1998	41.22	11.77	---	29.45	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/31/1999	41.22	12.38	---	28.84	---	---	---	---	---	---	---	---	---	---	---
MW-2	8/25/1999	41.22	17.72	---	23.50	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/9/2000	41.22	11.94	---	29.28	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/8/2001	41.22	10.31	---	30.91	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/8/2002	41.22	14.35	---	26.87	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/18/2002	41.22	13.11	---	28.11	---	---	---	---	---	---	---	---	---	---	---
MW-2	3/11/2003	41.22	13.24	---	27.98	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/9/2003	41.22	18.58	---	22.64	0	350	---	ND<0.50	ND<0.50	0.56	2.8	24	---	---	SEQ

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (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	2/5/1990	40.74	17.45	---	23.29	1400	---	15	ND<2.5	11	8	---	---	---	---	SUP
MW-3	2/14/1991	40.74	18.52	---	22.22	320	---	8	ND<0.3	8	1	---	---	---	---	SUP
MW-3	5/13/1991	40.74	19.32	---	21.42	640	---	13	ND<0.3	18	1	---	---	---	---	SUP
MW-3	7/24/1991	40.74	20.69	---	20.05	---	---	---	---	---	---	---	---	---	---	---
MW-3	10/3/1991	40.74	19.47	---	21.27	940	---	21	ND<0.3	23	2.1	---	---	---	---	SUP
MW-3	10/15/1991	40.74	20.46	---	20.28	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/4/1991	40.74	18.29	---	22.45	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/16/1991	40.74	18.34	---	22.40	---	---	---	---	---	---	---	---	---	---	---
MW-3	1/6/1992	40.74	18.50	---	22.24	580	---	6.1	1	6	7.1	---	---	---	---	ANA
MW-3	1/22/1992	40.74	17.86	---	22.88	---	---	---	---	---	---	---	---	---	---	---
MW-3	1/28/1992	40.74	15.84	---	24.90	---	---	---	---	---	---	---	---	---	---	---
MW-3	2/5/1992	40.74	17.53	---	23.21	---	---	---	---	---	---	---	---	---	---	---
MW-3	2/12/1992	40.74	17.15	---	23.59	---	---	---	---	---	---	---	---	---	---	---
MW-3	2/17/1992	40.74	16.18	---	24.56	---	---	---	---	---	---	---	---	---	---	---
MW-3	4/3/1992	40.74	14.80	---	25.94	---	---	---	---	---	---	---	---	---	---	---
MW-3	4/8/1992	40.74	17.06	---	23.68	1100	---	30	4.6	32	11	---	---	---	---	ANA
MW-3	4/14/1992	40.74	15.22	---	25.52	---	---	---	---	---	---	---	---	---	---	---
MW-3	4/29/1992	40.74	15.90	---	24.84	---	---	---	---	---	---	---	---	---	---	---
MW-3	5/7/1992	40.74	16.35	---	24.39	---	---	---	---	---	---	---	---	---	---	---
MW-3	7/3/1992	40.74	17.74	---	23.00	1200	---	38	ND<2.5	24	ND<2.5	---	---	---	---	ANA
MW-3	10/8/1992	40.74	19.06	---	21.68	1400	---	31	ND<0.5	25	13	---	---	---	---	ANA
MW-3	12/31/1992	40.74	16.61	---	24.13	820	---	12	4.1	13	5.9	---	---	---	---	ANA
QC-1 (h)	12/31/1992	---	---	---	---	960	---	11	3.6	10	3.8	---	---	---	---	ANA
MW-3	4/21/1993	40.74	14.24	---	26.50	420	---	5.6	ND<0.5	4	1.4	(n)	---	---	---	PACE
QC-1 (h)	4/21/1993	---	---	---	---	390	---	5.0	ND<0.5	4	1.5	(n)	---	---	---	PACE
MW-3	7/7/1993	40.13 (i)	15.19	---	24.94	54	---	0.6	0.6	ND<0.5	ND<0.5	12.68	(n)	---	---	PACE
MW-3	9/21/1993	40.13	16.58	---	23.55	540	---	7.9	0.9	5	2.4	(n)	---	---	---	PACE
MW-3	12/17/1993	40.13	15.82	---	24.31	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/23/1993	40.13	---	---	---	500	---	9.8	1.5	3	2.1	(n)	---	---	---	PACE
QC-1 (h)	12/23/1993	---	---	---	---	480	---	9.2	ND<0.5	5	5.3	(n)	---	---	---	PACE
MW-3	4/7/1994	40.13	28.50	---	11.63	460	---	20	7.4	9	11	18.2	(n)	---	---	PACE
QC-1 (h)	4/7/1994	---	---	---	---	460	---	20	7.7	9	11	---	---	---	---	PACE
MW-3	7/6/1994	40.13	---	---	---	300	---	10	0.6	2	6.4	5.54	(n)	---	---	4.8 PACE
MW-3	10/7/1994	40.13	27.65	---	12.48	620	---	28	ND<0.5	2	12	31.4	(n)	31 (j)	---	4.4 PACE
MW-3	1/27/1995	40.13	27.65	---	12.48	---	---	---	---	---	---	---	---	---	---	---
MW-3	3/30/1995	40.13	26.05	---	14.08	300	---	10	6.0	3	18	---	---	---	---	7.6 ATI

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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	6/20/1995	40.13	19.49	---	20.64	170	---	7.2	3.4	1	15	---	---	---	---	ATI
MW-3	10/3/1995	40.13	24.93	---	15.20	170	---	2.1	ND<0.50	1	8.0	6.7	---	---	---	ATI
MW-3	12/6/1995	40.13	25.14	---	14.99	1700	---	6.7	3.1	3	210	64	---	---	---	ATI
QC-1 (h)	12/6/1995	---	---	---	---	1400	---	6.1	3.0	2	190	53	---	---	---	ATI
MW-3	3/21/1996	40.13	9.48	---	30.65	ND<50	---	0.5	ND<1	ND<1	1	ND<10	---	---	7.3	SPL
MW-3	6/21/1996	40.13	11.60	---	28.53	ND<50	---	13	ND<1	ND<1	ND<1	12	---	---	7.6	SPL
MW-3	9/6/1996	40.13	12.23	---	27.90	---	---	---	---	---	---	---	---	---	---	---
MW-3	9/9/1996	40.13	---	---	---	ND<250	---	6.5	ND<5.0	ND<5.0	ND<5.0	ND<5.0	---	---	7.6	SPL
MW-3	12/19/1996	40.13	10.46	---	29.67	ND<50	---	4.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	---	8.4	SPL
MW-3	3/17/1997	40.13	9.86	---	30.27	50	---	ND<5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	---	7.4	SPL
MW-3	8/12/1997	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	12/10/1997	40.13	10.90	---	29.23	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	---	3.2	SPL
MW-3	3/12/1998	40.13	10.20	---	29.93	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	---	6.3	SPL
QC-1 (h)	3/12/1998	---	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	---	---	SPL
MW-3	6/23/1998	40.13	10.17	---	29.96	50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	---	3.4	SPL
MW-3	3/31/1999	40.13	11.45	---	28.68	60	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	6.2	---	---	---	SPL
MW-3	8/25/1999	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	3/9/2000	40.13	12.39	---	27.74	ND<50	---	ND<0.5	0.54	ND<0.5	1.7	6.3	---	---	---	PACE
MW-3	3/8/2001	40.13	10.41	---	29.72	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.59	7.7	---	---	---	PACE
MW-3	3/8/2002	40.13	9.83	---	30.30	62	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	11.6	---	---	---	PACE
MW-3	3/18/2002	40.13	9.20	---	30.93	---	---	---	---	---	---	---	---	---	---	---
MW-3	3/11/2003	40.13	10.54	---	29.59	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.7	---	---	---	SEQ
MW-3	12/9/2003	40.13	12.88	---	27.25	0 ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.4	---	---	---	SEQ

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (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 LAB (ppm)	
MW-4	2/5/1990	40.11	20.75	---	19.36	620	---	ND<0.5	9	ND<0.5	10	---	---	---	---	SUP
MW-4	2/14/1991	40.11	21.73	---	18.38	180	---	ND<0.3	ND<0.3	0.4	2	---	---	---	---	SUP
MW-4	5/13/1991	40.11	18.55	---	21.56	72	---	0.7	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SUP
MW-4	7/24/1991	40.11	21.31	---	18.80	---	---	---	---	---	---	---	---	---	---	---
MW-4	10/3/1991	40.11	22.57	---	17.54	57	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	---	---	SUP
MW-4	10/15/1991	40.11	22.88	---	17.23	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/4/1991	40.11	22.54	---	17.57	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/16/1991	40.11	22.59	---	17.52	---	---	---	---	---	---	---	---	---	---	---
MW-4	1/6/1992	40.11	22.00	---	18.11	480	---	0.8	3.2	2	7.7	---	---	---	---	ANA
MW-4	1/22/1992	40.11	21.58	---	18.53	---	---	---	---	---	---	---	---	---	---	---
MW-4	1/28/1992	40.11	21.42	---	18.69	---	---	---	---	---	---	---	---	---	---	---
MW-4	2/5/1992	40.11	21.10	---	19.01	---	---	---	---	---	---	---	---	---	---	---
MW-4	2/12/1992	40.11	20.74	---	19.37	---	---	---	---	---	---	---	---	---	---	---
MW-4	2/17/1992	40.11	19.78	---	20.33	---	---	---	---	---	---	---	---	---	---	---
MW-4	4/3/1992	40.11	16.80	---	23.31	---	---	---	---	---	---	---	---	---	---	---
MW-4	4/8/1992	40.11	17.13	---	22.98	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-4	4/14/1992	40.11	17.74	---	22.37	---	---	---	---	---	---	---	---	---	---	---
MW-4	4/29/1992	40.11	18.56	---	21.55	---	---	---	---	---	---	---	---	---	---	---
MW-4	5/7/1992	40.11	19.10	---	21.01	---	---	---	---	---	---	---	---	---	---	---
MW-4	7/3/1992	40.11	20.71	---	19.40	ND<50	---	0.6	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-4	10/8/1992	40.11	22.43	---	17.68	270	---	ND<0.5	2.1	3	3.2	---	---	---	---	ANA
MW-4	12/31/1992	40.11	19.58	---	20.53	150	---	ND<0.5	ND<0.5	ND<0.5	1.3	---	---	---	---	ANA
MW-4	4/21/1993	40.11	17.79	---	22.32	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	PACE
MW-4	7/7/1993	40.11	18.44	---	21.67	160	---	1.2	5.4	4	19	5.51	(n)	---	---	PACE
MW-4	9/21/1993	40.11	20.14	---	19.97	71	---	ND<0.5	1.9	ND<0.5	2.1	---	(n)	---	---	PACE
MW-4	12/17/1993	40.11	19.80	---	20.31	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/23/1993	40.11	---	---	---	ND<50	---	3.1	1.6	1	3.8	5.7	(n)	---	---	PACE
MW-4	4/7/1994	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	7/6/1994	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	10/7/1994	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	1/27/1995	40.11	13.72	---	26.39	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	2.7 ATI
MW-4	3/30/1995	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	6/20/1995	40.11	14.78	---	25.33	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
MW-4	10/3/1995	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	12/6/1995	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	3/21/1996	40.11	11.12	---	28.99	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	7.8 SPL

**Table 1
Groundwater Elevation and Analytical Data**

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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	6/21/1996	40.11	12.21	---	27.90	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	7.9	SPL
MW-4	9/6/1996	40.11	12.89	---	27.22	---	---	---	---	---	---	---	---	---	---	---
MW-4	9/9/1996	40.11	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.2	SPL
MW-4	12/19/1996	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	3/17/1997	40.11	10.42	---	29.69	---	---	---	---	---	---	---	---	---	---	---
MW-4	8/12/1997	40.11	12.77	---	27.34	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/10/1997	40.11	11.22	---	28.89	---	---	---	---	---	---	---	---	---	---	---
MW-4	3/12/1998	40.11	10.81	---	29.30	---	---	---	---	---	---	---	---	---	---	---
MW-4	6/23/1998	40.11	10.61	---	29.50	---	---	---	---	---	---	---	---	---	---	---
MW-4	3/31/1999	40.11	11.46	---	28.65	---	---	---	---	---	---	---	---	---	---	---
MW-4	8/25/1999	40.11	16.16	---	23.95	---	---	---	---	---	---	---	---	---	---	---
MW-4	3/9/2000	40.11	12.23	---	27.88	---	---	---	---	---	---	---	---	---	---	---
MW-4	3/8/2001	40.11	11.04	---	29.07	---	---	---	---	---	---	---	---	---	---	---
MW-4	3/8/2002	40.11	12.73	---	27.38	---	---	---	---	---	---	---	---	---	---	---
MW-4	3/18/2002	40.11	11.62	---	28.49	---	---	---	---	---	---	---	---	---	---	---
MW-4	3/11/2003	40.11	13.44	---	26.67	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/9/2003	40.11	15.03	---	25.08	0 ND<250	---	ND<2.5	ND<2.5	ND<2.5	ND<2.5	130	---	---	---	SEQ

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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 LAB (ppm)	
MW-5	10/3/1991	39.55	18.08	---	21.47	79000	---	13000	7400	1400	6200	---	---	---	---	SUP
MW-5	10/15/1991	39.55	18.55	---	21.00	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/4/1991	39.55	18.44	0.13	21.21	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/16/1991	39.55	18.66	0.01	20.90	---	---	---	---	---	---	---	---	---	---	---
MW-5	1/6/1992	39.55	19.12	0.11	20.51	---	---	---	---	---	---	---	---	---	---	---
MW-5	1/22/1992	39.55	14.59	---	24.96	---	---	---	---	---	---	---	---	---	---	---
MW-5	1/28/1992	39.55	15.25	---	24.30	---	---	---	---	---	---	---	---	---	---	---
MW-5	2/5/1992	39.55	15.58	SHEEN	23.97	---	---	---	---	---	---	---	---	---	---	---
MW-5	2/12/1992	39.55	15.54	0.01	24.02	---	---	---	---	---	---	---	---	---	---	---
MW-5	2/17/1992	39.55	13.98	SHEEN	25.57	---	---	---	---	---	---	---	---	---	---	---
MW-5	4/3/1992	39.55	13.63	0.04	25.95	---	---	---	---	---	---	---	---	---	---	---
MW-5	4/8/1992	39.55	13.17	0.01	26.39	---	---	---	---	---	---	---	---	---	---	---
MW-5	4/14/1992	39.55	13.45	0.01	26.11	---	---	---	---	---	---	---	---	---	---	---
MW-5	4/29/1992	39.55	13.75	0.07	25.85	---	---	---	---	---	---	---	---	---	---	---
MW-5	5/7/1992	39.55	16.15	0.04	23.43	---	---	---	---	---	---	---	---	---	---	---
MW-5	7/3/1992	39.55	17.67	0.08	21.94	---	---	---	---	---	---	---	---	---	---	---
MW-5	9/1/1992	39.55	17.83	0.50	22.10	---	---	---	---	---	---	---	---	---	---	---
MW-5	10/8/1992	39.55	17.86	0.92	22.38	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/31/1992	39.55	15.20	SHEEN	24.35	---	---	---	---	---	---	---	---	---	---	---
MW-5	4/21/1993	39.55	12.64	0.02	26.93	---	---	---	---	---	---	---	---	---	---	---
MW-5	7/7/1993	39.14	(i) 12.68	0.82	27.08	---	---	---	---	---	---	---	---	---	---	---
MW-5	9/21/1993	39.14	14.35	SHEEN	24.79	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/17/1993	39.14	12.61	0.41	26.84	---	---	---	---	---	---	---	---	---	---	---
MW-5	4/7/1994	39.14	30.00	---	9.14	66000	---	3000	1700	250	6800	2002	(n)	---	---	PACE
MW-5	7/6/1994	39.14	---	---	---	29000	---	1900	330	63	2700	1141	(n)	---	---	PACE
MW-5	10/7/1994	39.14	28.70	---	10.44	250000	---	2600	660	830	5200	37.7	(n)	---	---	4.2 PACE
QC-1 (h)	10/7/1994	---	---	---	---	45000	---	2900	540	260	2600	---	---	---	---	PACE
MW-5	1/27/1995	39.14	28.70	---	10.44	---	---	---	---	---	---	---	---	---	---	---
MW-5	3/30/1995	39.14	28.95	---	10.19	50000	---	7900	2600	520	6400	---	---	---	---	5.5 ATI
QC-1 (h)	3/30/1995	---	---	---	---	43000	---	7900	2500	440	6200	---	---	---	---	ATI
MW-5	6/20/1995	39.14	22.54	---	16.60	34000	---	5100	1900	300	3700	---	---	---	---	ATI
QC-1 (h)	6/20/1995	---	---	---	---	26000	---	3500	290	ND<25	3300	---	---	---	---	ATI
MW-5	10/3/1995	39.14	18.84	---	20.30	12000	---	68	42	11	1600	330	---	---	---	ATI
QC-1 (h)	10/3/1995	---	---	---	---	12000	---	46	39	10	1600	320	---	---	---	ATI
MW-5	12/6/1995	39.14	19.07	---	20.07	16000	---	1200	93	51	700	600	---	---	---	ATI
MW-5	3/21/1996	39.14	7.43	---	31.71	1500	---	89	28	6	250	ND<10	---	---	---	7.2 SPL

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Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (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 LAB (ppm)	
QC-1 (h)	3/21/1996	---	---	---	---	1900	---	92	30	7	270	ND<10	---	---	---	SPL
MW-5	6/21/1996	39.14	9.87	---	---	3500	---	740	150	19	400	ND<100	---	---	7.1	SPL
QC-1 (h)	6/21/1996	---	---	---	---	2700	---	680	140	20	400	ND<50	---	---	---	SPL
MW-5	9/6/1996	39.14	10.52	---	28.62	---	---	---	---	---	---	---	---	---	---	---
MW-5	9/9/1996	39.14	---	---	---	82000	---	3100	1700	850	9100	ND<2500	---	---	7.5	SPL
QC-1 (h)	9/9/1996	---	---	---	---	90000	---	2900	1600	670	6900	ND<2500	---	---	---	SPL
MW-5	12/19/1996	39.14	8.62	---	30.52	41000	---	790	820	120	2040	ND<500	---	---	7.7	SPL
QC-1 (h)	12/19/1996	---	---	---	---	26000	---	490	430	63	1140	ND<500	---	---	---	SPL
MW-5	3/17/1997	39.14	8.22	---	30.92	5500	---	1.9	2.4	ND<1.0	ND<1.0	29	---	---	6.4	SPL
QC-1 (h)	3/17/1997	---	---	---	---	6600	---	2.5	2.7	ND<1.0	ND<1.0	28	---	---	---	SPL
MW-5	8/12/1997	39.14	12.18	0.22	27.13	33000	---	6400	2400	680	4400	ND<1000	---	---	6.8	SPL
QC-1 (h)	8/12/1997	---	---	---	---	36000	---	6100	2500	720	4500	ND<500	---	---	---	SPL
MW-5	12/10/1997	39.14	10.78	0.06	28.41	31000	---	3000	2500	560	5100	500	---	---	1.8	SPL
QC-1 (h)	12/10/1997	---	---	---	---	37000	---	2900	2500	440	4800	---	---	---	---	SPL
MW-5	3/12/1998	39.14	10.11	0.22	29.20	100000	---	1600	870	250	2600	ND<250	---	---	6.1	SPL
MW-5	6/23/1998	39.14	10.20	0.02	28.96	27000	---	2500	840	370	2900	ND<250	---	---	2.1	SPL
QC-1 (h)	6/23/1998	---	---	---	---	27000	---	2600	840	400	2950	ND<500	---	---	---	SPL
MW-5 (f)	3/31/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	8/25/1999	39.14	14.69	0.38	24.75	180000	---	2700	400	830	2800	26	---	---	---	SPL
MW-5	3/9/2000	39.14	14.83	0.60	24.79	53000	---	12000	2600	1900	9100	ND<5.0	---	---	---	PACE
MW-5 (f)	3/8/2001	39.14	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	3/8/2002	39.14	11.45	1.50	28.89	33000	---	8240	1080	1010	2900	34.3	---	---	---	PACE
MW-5	3/18/2002	39.14	8.03	---	31.11	---	---	---	---	---	---	---	---	---	---	---
MW-5	3/11/2003	39.14	9.60	0.45	29.88	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/9/2003	39.14	11.44	0.03	27.72	---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (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 LAB (ppm)	
MW-6	10/3/1991	41.59	20.73	---	20.86	ND<50	---	0.7	0.8	ND<0.3	1.3	---	---	---	---	SUP
MW-6	10/15/1991	41.59	21.20	---	20.39	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/4/1991	41.59	21.26	---	20.33	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/16/1991	41.59	21.12	---	20.47	---	---	---	---	---	---	---	---	---	---	---
MW-6	1/6/1992	41.59	20.29	---	21.30	ND<50	---	ND<0.5	ND<0.5	ND<0.5	1.6	---	---	---	---	ANA
MW-6	1/22/1992	41.59	20.12	---	21.47	---	---	---	---	---	---	---	---	---	---	---
MW-6	1/28/1992	41.59	20.20	---	21.39	---	---	---	---	---	---	---	---	---	---	---
MW-6	2/5/1992	41.59	20.09	---	21.50	---	---	---	---	---	---	---	---	---	---	---
MW-6	2/12/1992	41.59	19.15	---	22.44	---	---	---	---	---	---	---	---	---	---	---
MW-6	2/17/1992	41.59	18.02	---	23.57	---	---	---	---	---	---	---	---	---	---	---
MW-6	4/3/1992	41.59	16.62	---	24.97	---	---	---	---	---	---	---	---	---	---	---
MW-6	4/8/1992	41.59	17.06	---	24.53	ND<50	---	0.6	ND<0.5	1	ND<0.5	---	---	---	---	ANA
MW-6	4/14/1992	41.59	17.23	---	24.36	---	---	---	---	---	---	---	---	---	---	---
MW-6	4/29/1992	41.59	18.12	---	23.47	---	---	---	---	---	---	---	---	---	---	---
MW-6	5/7/1992	41.59	18.52	---	23.07	---	---	---	---	---	---	---	---	---	---	---
MW-6	7/3/1992	41.59	19.71	---	21.88	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-6	10/8/1992	41.59	21.22	---	20.37	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
QC-1 (h)	10/8/1992	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-6	12/31/1992	41.59	21.33	---	20.26	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-6	4/21/1993	41.59	16.45	---	25.14	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	PACE
MW-6	7/7/1993	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	9/21/1993	41.59	19.64	---	21.95	ND<50	---	ND<0.5	ND<0.5	ND<0.5	1.6	---	(n)	---	---	PACE
MW-6	12/17/1993	41.59	21.08	---	20.51	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/23/1993	41.59	---	---	---	ND<50	---	ND<0.5	0.5	ND<0.5	0.6	13.95	(n)	---	---	PACE
MW-6	4/7/1994	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	7/6/1994	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)	7/6/1994	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
MW-6	10/7/1994	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	1/27/1995	41.59	12.39	---	29.20	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	4.2 ATI
MW-6	3/30/1995	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	6/20/1995	41.59	15.12	---	26.47	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
MW-6	10/3/1995	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	12/6/1995	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	3/21/1996	41.59	11.55	---	30.04	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	41	---	---	---	9.1 SPL
MW-6	6/21/1996	41.59	12.60	---	28.99	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	8.6 SPL
MW-6	9/6/1996	41.59	13.25	---	28.34	---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	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	9/9/1996	41.59	---	---	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	22/22	(k)	---	---	7.9	SPL
MW-6	12/19/1996	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	3/17/1997	41.59	10.80	---	---	30.79		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	8/12/1997	41.59	13.11	---	---	28.48		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/10/1997	41.59	13.84	---	---	27.75		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	3/12/1998	41.59	11.17	---	---	30.42		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	6/23/1998	41.59	13.27	---	---	28.32		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	3/31/1999	41.59	12.91	---	---	28.68		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	8/25/1999	41.59	15.93	---	---	25.66		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	3/9/2000	41.59	11.49	---	---	30.10		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	3/8/2001	41.59	10.81	---	---	30.78		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	3/8/2002	41.59	14.28	---	---	27.31		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	3/18/2002	41.59	13.10	---	---	28.49		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	3/11/2003	41.59	13.63	---	---	27.96		---	---	---	---	---	---	---	---	---	---	---	---
MW-6	12/9/2003	41.59	14.26	---	---	27.33	0	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	---	---	---	---	SEQ

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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 LAB (ppm)	
MW-7	10/3/1991	40.64	14.93	---	25.71	360	---	62	13	3.4	20	---	---	---	---	SUP
MW-7	10/15/1991	40.64	15.16	---	25.48	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/4/1991	40.64	15.41	---	25.23	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/16/1991	40.64	15.21	---	25.43	---	---	---	---	---	---	---	---	---	---	---
MW-7	1/6/1992	40.64	14.56	---	26.08	1100	---	170	ND<0.5	24	23	---	---	---	---	ANA
MW-7	1/22/1992	40.64	14.63	---	26.01	---	---	---	---	---	---	---	---	---	---	---
MW-7	1/28/1992	40.64	14.73	---	25.91	---	---	---	---	---	---	---	---	---	---	---
MW-7	2/5/1992	40.64	14.58	---	26.06	---	---	---	---	---	---	---	---	---	---	---
MW-7	2/12/1992	40.64	13.94	---	26.70	---	---	---	---	---	---	---	---	---	---	---
MW-7	2/17/1992	40.64	13.10	---	27.54	---	---	---	---	---	---	---	---	---	---	---
MW-7	4/3/1992	40.64	12.66	---	27.98	---	---	---	---	---	---	---	---	---	---	---
MW-7	4/8/1992	40.64	12.77	---	27.87	750	---	150	ND<0.5	23	9.9	---	---	---	---	ANA
MW-7	4/14/1992	40.64	13.02	---	27.62	---	---	---	---	---	---	---	---	---	---	---
MW-7	4/29/1992	40.64	13.59	---	27.05	---	---	---	---	---	---	---	---	---	---	---
MW-7	5/7/1992	40.64	13.95	---	26.69	---	---	---	---	---	---	---	---	---	---	---
MW-7	7/3/1992	40.64	14.73	---	25.91	660	---	210	ND<2.5	33	8	---	---	---	---	ANA
MW-7	10/8/1992	40.64	15.75	---	24.89	320	---	49	1.4	13	6.2	---	---	---	---	ANA
MW-7	12/31/1992	40.64	13.57	---	27.07	900	---	100	ND<2.5	28	4.3	---	---	---	---	ANA
MW-7	4/21/1993	40.64	14.56	---	26.08	510	---	83	1.2	10	5.8	---	(n)	---	---	PACE
MW-7	7/7/1993	40.32	(i) 13.40	---	26.92	1100	---	160	2.0	27	4.0	10.84	(n)	---	---	PACE
QC-1 (h)	7/7/1993	---	---	---	---	1100	---	170	1.9	29	2.8	9.84	(n)	---	---	PACE
MW-7	9/21/1993	40.32	14.40	---	25.92	690	---	150	3.1	26	5.7	---	(n)	---	---	PACE
QC-1 (h)	9/21/1993	---	---	---	---	640	---	140	1.7	23	2.4	---	(n)	---	---	PACE
MW-7	12/17/1993	40.32	13.65	---	26.67	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/23/1993	40.32	---	---	---	250	---	64	1.2	9	1.8	7.81	(n)	---	---	PACE
MW-7	4/7/1994	40.32	30.62	---	9.70	140	---	32	1.4	ND<0.5	ND<0.5	6.32	(n)	---	---	PACE
MW-7	7/6/1994	40.32	16.88	---	23.44	410	---	94	1.3	10	3.5	ND<5.0	(n)	---	---	4.4 PACE
MW-7	10/7/1994	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	1/27/1995	40.32	9.82	---	30.50	810	---	570	3	60	17	---	---	---	---	0 ATI
QC-1 (h)	1/27/1995	---	---	---	---	930	---	620	4	77	21	---	---	---	---	ATI
MW-7	3/30/1995	40.32	9.15	---	31.17	180	---	65	0.53	2	ND<1.0	---	---	---	---	7.8 ATI
MW-7	6/20/1995	40.32	11.38	---	28.94	2800	---	980	ND<5.0	ND<5.0	43	---	---	---	---	ATI
MW-7	10/3/1995	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	12/6/1995	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	3/21/1996	40.32	9.76	---	30.56	1000	---	390	2	40	13	ND<10	---	---	---	7.4 SPL
MW-7	6/21/1996	40.32	11.01	---	29.31	ND<250	---	40	ND<5	ND<5	ND<5	ND<50	---	---	---	7.4 SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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	9/6/1996	40.32	11.68	---	28.64	---	---	---	---	---	---	---	---	---	---	---
MW-7	9/9/1996	40.32	---	---	---	ND<250	---	13	ND<5.0	ND<5.0	ND<5.0	ND<50	---	---	7.2	SPL
MW-7	12/19/1996	40.32	10.78	---	29.54	70	---	1.2	ND<1.0	1	ND<1.0	ND<10	---	---	8.3	SPL
MW-7	3/17/1997	40.32	9.96	---	30.36	---	---	---	---	---	---	---	---	---	---	---
MW-7	8/12/1997	40.32	11.44	---	28.88	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/10/1997	40.32	10.42	---	29.90	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/12/1998	40.32	9.51	---	30.81	---	---	---	---	---	---	---	---	---	---	---
MW-7	6/23/1998	40.32	9.98	---	30.34	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/31/1999	40.32	10.38	---	29.94	---	---	---	---	---	---	---	---	---	---	---
MW-7	8/25/1999	40.32	12.38	---	27.94	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/9/2000	40.32	8.48	---	31.84	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/8/2001	40.32	8.37	---	31.95	---	---	---	---	---	---	---	---	---	---	---
MW-7 (f)	3/8/2002	40.32	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/18/2002	40.32	9.94	---	30.38	---	---	---	---	---	---	---	---	---	---	---
MW-7	3/11/2003	40.32	11.26	---	29.06	---	---	---	---	---	---	---	---	---	---	---
MW-7	12/9/2003	40.32	12.76	---	27.56	0	270	26	ND<0.50	ND<0.50	ND<0.50	8.7	---	---	---	SEQ

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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	10/3/1991	38.18	22.37	---	15.81	ND<50	---	ND<0.3	0.6	ND<0.3	0.9	---	---	---	---	SUP
MW-8	10/15/1991	38.18	22.70	---	15.48	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/4/1991	38.18	22.44	---	15.74	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/16/1991	38.18	22.47	---	15.71	---	---	---	---	---	---	---	---	---	---	---
MW-8	1/6/1992	38.18	21.94	---	16.24	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8	1/22/1992	38.18	21.44	---	16.74	---	---	---	---	---	---	---	---	---	---	---
MW-8	1/28/1992	38.18	21.20	---	16.98	---	---	---	---	---	---	---	---	---	---	---
MW-8	2/5/1992	38.18	20.88	---	17.30	---	---	---	---	---	---	---	---	---	---	---
MW-8	2/12/1992	38.18	20.54	---	17.64	---	---	---	---	---	---	---	---	---	---	---
MW-8	2/17/1992	38.18	19.99	---	18.19	---	---	---	---	---	---	---	---	---	---	---
MW-8	4/3/1992	38.18	16.75	---	21.43	---	---	---	---	---	---	---	---	---	---	---
MW-8	4/8/1992	38.18	16.57	---	21.61	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8 (f)	4/14/1992	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	4/29/1992	38.18	18.61	---	19.57	---	---	---	---	---	---	---	---	---	---	---
MW-8	5/7/1992	38.18	18.41	---	19.77	---	---	---	---	---	---	---	---	---	---	---
MW-8	7/3/1992	38.18	20.35	---	17.83	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8 (f)	10/8/1992	38.18	21.74	---	16.44	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/31/1992	38.18	19.09	---	19.09	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-8	4/21/1993	38.18	18.92	---	19.26	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	(n)	---	---	---	PACE
MW-8	7/7/1993	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	9/21/1993	38.18	19.71	---	18.47	ND<50	---	2.9	2.2	2	7.1	(n)	---	---	---	PACE
MW-8	12/17/1993	38.18	21.33	---	16.85	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/23/1993	38.18	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.6	ND<5.0 (n)	---	---	---	PACE
MW-8	4/7/1994	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	7/6/1994	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	10/7/1994	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	1/27/1995	38.18	12.25	---	25.93	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	2.9	ATI
MW-8	3/30/1995	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	6/20/1995	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)	10/3/1995	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/6/1995	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)	3/21/1996	38.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	6/21/1996	38.18	13.03	---	25.15	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	7.0	SPL
MW-8	9/6/1996	38.18	13.70	---	24.48	---	---	---	---	---	---	---	---	---	---	---
MW-8	9/9/1996	38.18	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	7.0	SPL
MW-8	12/19/1996	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

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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 LAB (ppm)	
MW-8	3/17/1997	38.18	11.29	---	26.89	---	---	---	---	---	---	---	---	---	---	---
MW-8	8/12/1997	38.18	13.73	---	24.45	---	---	---	---	---	---	---	---	---	---	---
MW-8	12/10/1997	38.18	11.88	---	26.30	---	---	---	---	---	---	---	---	---	---	---
MW-8	3/12/1998	38.18	11.89	---	26.29	---	---	---	---	---	---	---	---	---	---	---
MW-8	6/23/1998	38.18	11.33	---	26.85	---	---	---	---	---	---	---	---	---	---	---
MW-8	3/31/1999	38.18	12.68	---	25.50	---	---	---	---	---	---	---	---	---	---	---
MW-8	8/25/1999	38.18	14.93	---	23.25	---	---	---	---	---	---	---	---	---	---	---
MW-8	3/9/2000	38.18	9.14	---	29.04	---	---	---	---	---	---	---	---	---	---	---
MW-8	3/8/2001	38.18	8.41	---	29.77	---	---	---	---	---	---	---	---	---	---	---
MW-8	3/8/2002	38.18	11.18	---	27.00	---	---	---	---	---	---	---	---	---	---	---
MW-8	3/18/2002	38.18	10.72	---	27.46	---	---	---	---	---	---	---	---	---	---	---
MW-8	3/11/2003	38.18	10.46	---	27.72	---	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (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 LAB (ppm)	
MW-9	10/3/1991	41.25	14.12	---	27.13	ND<50	---	ND<0.3	0.4	ND<0.3	ND<0.3	---	---	---	---	SUP
MW-9	10/15/1991	41.25	14.27	---	26.98	---	---	---	---	---	---	---	---	---	---	---
MW-9	12/4/1991	41.25	13.84	---	27.41	---	---	---	---	---	---	---	---	---	---	---
MW-9	12/16/1991	41.25	14.18	---	27.07	---	---	---	---	---	---	---	---	---	---	---
MW-9	1/6/1992	41.25	13.42	---	27.83	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	---	---	---	---	ANA
MW-9	1/22/1992	41.25	13.75	---	27.50	---	---	---	---	---	---	---	---	---	---	---
MW-9	1/28/1992	41.25	14.76	---	26.49	---	---	---	---	---	---	---	---	---	---	---
MW-9	2/5/1992	41.25	13.38	---	27.87	---	---	---	---	---	---	---	---	---	---	---
MW-9	2/12/1992	41.25	11.86	---	29.39	---	---	---	---	---	---	---	---	---	---	---
MW-9	2/17/1992	41.25	10.78	---	30.47	---	---	---	---	---	---	---	---	---	---	---
MW-9	4/3/1992	41.25	11.63	---	29.62	---	---	---	---	---	---	---	---	---	---	---
MW-9	4/8/1992	41.25	12.25	---	29.00	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-9	4/14/1992	41.25	12.32	---	28.93	---	---	---	---	---	---	---	---	---	---	---
MW-9	4/29/1992	41.25	13.07	---	28.18	---	---	---	---	---	---	---	---	---	---	---
MW-9	5/7/1992	41.25	14.43	---	26.82	---	---	---	---	---	---	---	---	---	---	---
MW-9	7/3/1992	41.25	13.85	---	27.40	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-9	10/8/1992	41.25	14.89	---	26.36	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-9	12/31/1992	41.25	11.90	---	29.35	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
MW-9	4/21/1993	41.25	13.68	---	27.57	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(n)	---	---	PACE
MW-9	7/7/1993	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	9/21/1993	41.25	14.00	---	27.25	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	---	(n)	---	---	PACE
MW-9	12/17/1993	41.25	12.98	---	28.27	---	---	---	---	---	---	---	---	---	---	---
MW-9	12/23/1993	41.25	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.9	ND<5.0	(n)	---	---	PACE
MW-9	4/7/1994	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	7/6/1994	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	10/7/1994	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	1/27/1995	41.25	8.47	---	32.78	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	2.5 ATI
MW-9	3/30/1995	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	6/20/1995	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	10/3/1995	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	12/6/1995	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	3/21/1996	41.25	9.60	---	31.65	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	8.0 SPL
MW-9	6/21/1996	41.25	10.86	---	30.39	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	7.8 SPL
MW-9	9/6/1996	41.25	11.52	---	29.73	---	---	---	---	---	---	---	---	---	---	---
MW-9	9/9/1996	41.25	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	20/21	(k)	---	---	7.3 SPL
MW-9	12/19/1996	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

**Table 1
Groundwater Elevation and Analytical Data**

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (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	3/17/1997	41.25	9.87	---	31.38	---	---	---	---	---	---	---	---	---	---	---
MW-9	8/12/1997	41.25	11.44	---	29.81	---	---	---	---	---	---	---	---	---	---	---
MW-9	12/10/1997	41.25	10.44	---	30.81	---	---	---	---	---	---	---	---	---	---	---
MW-9	3/12/1998	41.25	9.50	---	31.75	---	---	---	---	---	---	---	---	---	---	---
MW-9	6/23/1998	41.25	10.06	---	31.19	---	---	---	---	---	---	---	---	---	---	---
MW-9	3/31/1999	41.25	9.06	---	32.19	---	---	---	---	---	---	---	---	---	---	---
MW-9	8/25/1999	41.25	12.00	---	29.25	---	---	---	---	---	---	---	---	---	---	---
MW-9	3/9/2000	41.25	10.57	---	30.68	---	---	---	---	---	---	---	---	---	---	---
MW-9	3/8/2001	41.25	9.73	---	31.52	---	---	---	---	---	---	---	---	---	---	---
MW-9	3/8/2002	41.25	11.89	---	29.36	---	---	---	---	---	---	---	---	---	---	---
MW-9	3/18/2002	41.25	9.68	---	31.57	---	---	---	---	---	---	---	---	---	---	---
MW-9	3/11/2003	41.25	9.21	---	32.04	---	---	---	---	---	---	---	---	---	---	---

**Table 1
Groundwater Elevation and Analytical Data**

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G (b) (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) 10/8/1992	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
QC-2	(I) 12/31/1992	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	ANA
QC-2	(I) 4/21/1993	---	---	---	---	---	---	---	---	---	---	(n)	---	ND	---	PACE
QC-2	(I) 7/7/1993	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	0.6	(n)	---	---	---	PACE
QC-2	(I) 9/21/1993	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	(n)	---	---	---	PACE
QC-2	(I) 12/23/1993	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(I) 4/7/1994	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(I) 7/6/1994	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(I) 10/7/1994	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2	(I) 1/27/1995	---	---	---	---	ND<50	---	ND<0.5	0.5	ND<0.5	ND<1	---	---	---	---	ATI
QC-2	(I) 3/30/1995	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
QC-2	(I) 6/20/1995	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
QC-2	(I) 10/3/1995	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	---	ATI
QC-2	(I) 12/6/1995	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	---	ATI
QC-2	(I) 3/21/1996	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL
QC-2	(I) 6/21/1996	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard Oakland, CA

ABBREVIATIONS:

TOC	Top of Casing
DTW	Depth to Water
GWE	Groundwater Elevation
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
SEQ	Sequoia Analytical 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.
- (o) Analyzed for Gasoline Range (GRO) C6-C12 by EPA method 8260B from 4th quarter 2003 onward.

Source: The data within this table collected prior to June 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information

Table 2
Fuel Oxygenate Analytical Data

Former BP Service Station #11109
4280 Foothill Boulevard
Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-2	12/09/03	ND<100	ND<20	24	ND<0.50	ND<0.50	ND<0.50
MW-3	12/09/03	ND<100	ND<20	6.4	ND<0.50	ND<0.50	ND<0.50
MW-4	12/09/03	ND<500	ND<100	130	ND<2.5	ND<2.5	2.7
MW-6	12/09/03	ND<100	ND<20	12	ND<0.50	ND<0.50	ND<0.50
MW-7	12/09/03	ND<100	ND<20	8.7	ND<0.50	ND<0.50	ND<0.50

Note: All fuel oxygenate compounds analyzed using EPA Method 8260B
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
ND< = Not detected at or above the laboratory reporting limit
NA = Data not available, not analyzed, or not applicable

Table 3
Free Product Removal

Former BP Service Station #11109
4280 Foothill Boulevard,
Oakland, CA

WELL ID	DATE OF MONITORING	Depth to Water (Feet)	PRODUCT THICKNESS (Feet)	PRODUCT REMOVED (Gallons)	PRODUCT REMOVED CUMULATIVE (Gallons)
MW-5	8/25/1999	---	---	0.07	0.07
MW-5	3/9/2000	---	---	0.40	0.47
MW-5	7/14/2003	12.72	0.03	0.02	0.49
MW-5	8/25/2003	14.04	0.00	0.00	0.49
MW-5	9/25/2003	14.38	0.08	0.05	0.54
MW-5	10/3/2003	12.15	0.06	0.04	0.58
MW-5	11/12/2003	12.74	0.19	0.12	0.70
MW-5	12/9/2003	11.44	0.03	0.04	0.74
FP Removed this Quarter:					0.20

Source : The data within this table collected prior to July 2003 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

ATTACHMENT A
FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 031003-DA2	Station # 11109
Sampler: DA/JP	Date: 10/03/0
Well I.D.: MW-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth:	Depth to Water: 12.15
Depth to Free Product: 12.09	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
--	---

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1 Case Volume (Gals.)	x	SPH Bait	=	Gals.
		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		Bailed	148 ml	SPH + 3	5g · H ₂ O

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: Pace Sequoia 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 GAUGING DATA

Project # 031112-PA2 Date 11/12/03 Client 1109

Site 4280 Foothill Oakland, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-5	4	S/O	12.55	0.19	467	12.74	—	TOC

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 03112-DA2	Station # 11109
Sampler: DA	Date: 11/12/03
Well I.D.: MW-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: —	Depth to Water: 12.74
Depth to Free Product: 12.55	Thickness of Free Product (feet): 0.19
Referenced to: <u>PVC</u> 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: <u>Bailer</u> <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	--

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1 Case Volume (Gals.)	x <u>Bail SPH</u>	=	_____ Gals. Calculated Volume
	Specified Volumes		

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					Bailed 467 ml SPH + 3g. H ₂ O. Bailed for 30 min to a thickness of ^{if nearly} 0.00. SPH appeared to recharge

Did well dewater? Yes <input type="checkbox"/> <u>No</u>	Gallons actually evacuated: 3	
Sampling Time: _____	Sampling Date: _____	
Sample I.D.: _____	Laboratory: Pace Sequoia 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

WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client 11109 Date 11/12/03

Site Address 4250 Foothill Oakland, CA

Job Number 031112-DAZ Technician DA

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-5								1,

NOTES: 1, No boltholes, no bolts

WELL GAUGING DATA

Project # 031209-M02 Date 12/09/07 Client # 11109

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 <u>(TOC)</u>
MW-2	2					18.58	29.90	
* MW-3	4					12.88	31.45	
MW-4	4					15.03	26.59	
* ① MW-5	4		11.41	0.03		11.44	32.58	
MW-6	4					14.26	34.76	
② MW-7	6		ext system not working			12.76	33.24	
			* ext system w/o pump in well					
			① gauged w/dedicated PVC Bailer in well					
			② gauged w/pump in well					

WELL MONITORING DATA SHEET

Project #: <u>031209-MW2</u>	Client: <u>11109</u>
Sampler: <u>John DeJoy</u>	Date: <u>12/09/03</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>3</u> 4 6 8
Total Well Depth (TD): <u>29.90</u>	Depth to Water (DTW): <u>18.58</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

$\underline{1.8} \text{ (Gals.)} \times \underline{3} = \underline{5.4} \text{ Gals.}$ <p>Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1340	63.7	6.4	1037	/	1.8	heavy steel
1342	65.8	6.4	1068		3.6	
1345	65.8	6.2	1033		5.4	

Did well dewater? Yes No Gallons actually evacuated: 5.4

Sampling Date: 12/09/03 Sampling Time: 1350 Depth to Water: _____

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other: See Scope

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Scope

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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 #: 031209-MD2	Client: 1109
Sampler: John DeJoy	Date: 12/09/03
Well I.D.: NW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 26.59	Depth to Water (DTW): 15.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Water: Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <u>Disposable Bailer</u> Extraction Port Dedicated Tubing Other: _____
---	---	--

$7.5 \text{ (Gals.)} \times 3 = 22.5 \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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														
I Case Volume	Specified Volumes	Calculated Volume															

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1326	66.3	6.1	777	/	7.5	
					10	DTW = 24.80
1540	64.9	6.1	775		-	

Did well dewater? Yes No Gallons actually evacuated: 10

Sampling Date: 12/09/03 Sampling Time: 1540 Depth to Water: 19.40 @ 5 ft below

Sample I.D.: NW-4 Laboratory: Kiff CalScience Other Scyola

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE SCOPE

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 031209-MW2	Station # 11109
Sampler: John DeLong	Date: 12/09/03
Well I.D.: MW-5	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 32.58	Depth to Water: 11.44
Depth to Free Product: 11.41	Thickness of Free Product (feet): 0.03
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: <u>Bailed dedicated</u> Disposable Bailer <u>PVC Bailer</u> Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: _____
--	--

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>13.7</u>	x	<u>3</u>	=	<u>41.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					Bailed SPH 160ml
					URS requested a sample if product could be bailed down to ashen. The product was bailed for a screen and I waited 5min. Product was present. No sample due to product recharge. (M)

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: Pace Sequoia 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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>031209-MW2</u>	Station # <u>11109</u>
Sampler: <u>John DeJong</u>	Date: <u>12/09/03</u>
Well I.D.: <u>MW-6</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>34.36</u>	Depth to Water: <u>14.26</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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 Sampling Method: Bailer
 Disposable Bailer Disposable Bailer
 Positive Air Displacement Extraction Port
 Electric Submersible Other: _____
 Extraction Pump
 Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>13.1</u>	x	<u>3</u>	=	<u>39.3</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>1313</u>	<u>65.2</u>	<u>6.5</u>	<u>792</u>	<u>13.5</u>	<u>clear</u>
			<u>well dewatered @ 17</u>		<u>DTW = 29.95</u>
<u>1525</u>	<u>60.6</u>	<u>6.4</u>	<u>775</u>	<u>—</u>	<u>clear DTW = 21.81 @ sill</u>
					<u>of well</u>

Did well dewater? Yes No Gallons actually evacuated: 17

Sampling Time: 1525 Sampling Date: 12/09/03

Sample I.D.: MW-6 Laboratory: Pace Sequoia Other _____

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

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

Bol Area

WELL MONITORING DATA SHEET

BTS #: 031209-MW2 Site: 11109
 Sampler: John DeJoy Date: 12/09/03
 Well I.D.: MW-7 Well Diameter: 2 3 4 6 8
 Total Well Depth (TD): 33.24 Depth to Water (DTW): 12.76
 Depth to Free Product: 3 Thickness of Free Product (feet):
 Referenced to: PVC Grade D.O. Meter (if req'd): YSI HACH
 DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Method: Bailer Waterria Sampling Method: Bailer
 Disposable Bailer Peristaltic ~~Disposable Bailer~~
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other: Dedicated Tubing

Pump is not running

30.1 (Gals.) X 3 = 90.3 Gals.
 I Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1427	65.9	6.4	942	/	30.5	clear, odor
					35	DTW = 27.95
1610	63.3	6.1	797			DTW = 21.87 @ 5' @

Did well dewater? Yes No Gallons actually evacuated: 35

Sampling Date: 12/09/03 Sampling Time: 1610 Depth to Water: —

Sample I.D.: MW-7 Laboratory: STL Other: S-FU019

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

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

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

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



Chain of Custody Record

Project Name 1169 GWM
 BP BU/GEM CO Portfolio Retail

BP Laboratory Contract Number: Atlantic Richfield Company

Date: 12/09/03

Requested Due Date (mm/dd/yy) 14 DAY TAT

On-site Time: 1130 Temp: 60
 Off-site Time: 1630 Temp: 55
 Sky Conditions: Rainy
 Meteorological Events:
 Wind Speed: Direction:

Send To:
 Lab Name: SEQUOIA
 Lab Address: 885 Jarvis Dr.
Morgan Hill, CA 95037
 Lab PM Theresa Allen
 Tele/Fax: 408-776-9600 / 408-782-6308
 Report Type & QC Level: 1 Send EDF Reports
 BP/GEM Account No.: 400-6-21124

BP/GEM Facility No.: 11109
 BP/GEM Facility Address: 4280 FOOTHILL, OAKLAND, CA
 Site ID No. 11109
 Site Lat/Long:
 California Global ID #: T0600100217
 BP/GEM PM Contact: PAUL SUPPLE
 Address: P.O. Box 6549
Moraga, CA 94570
 Tele/Fax: 925-299-8891/925-299-8872

Consultant/Contractor: URS
 Address: 500 12th St., Ste. 200
Oakland, CA 94609-4014
 e-mail EDD: donna.casper@URSCorp.com
 Consultant/Contractor Project No.:
 Consultant Tele/Fax: 510-893-3600/510-874-3268
 Consultant/Contractor PM: Leonard Niles
 Invoice to: Consultant/Contractor of BP/GEM (Circled)
 BP/GEM Work Release No:

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis						Sample Point Lat/Long and Comments
			Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-G / BTEX (801.5/8021 & 8260)	TPH -D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	
1	MW-2	1350		✓			3						✓						
2	MW-3	1555		✓			3							✓					
3	MW-4	1540		✓			3							✓					
4	MW-5	1525		✓			3							✓					
5	MW-8	1600		✓			3							✓					
6																			
7																			
8																			
9																			
10																			

Sampler's Name: Jonathan DeLong Relinquished By / Affiliation _____ Date _____ Time _____
 Sampler's Company: Blaine Tech Services Accepted By / Affiliation _____ Date _____ Time _____
 Shipment Date: _____
 Shipment Method: _____
 Shipment Tracking No: _____
 Special Instructions: Address Invoice to BP/GEM but send to URS for approval

Custody Seals In Place Yes No _____ Temperature Blank Yes No Cooler Temperature on Receipt _____ °F/C Trip Blank Yes No

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is PLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This Source Record BILL OF LADING was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

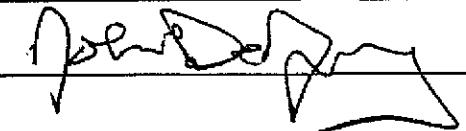
1109
 Station #
 4280 Foothill Blvd., Oakland
 Station Address

Total Gallons Collected From Groundwater Monitoring Wells:
 95

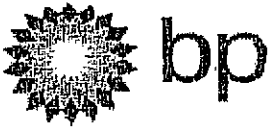
added equip. _____ any other adjustments _____
 rinse water 110

TOTAL GALS. RECOVERED 110 loaded onto BTS vehicle # _____

BTS event # _____ time 1630 date 12/09/03

signature 

 REC'D AT _____ time _____ date 1/1/____
 unloaded by _____
 signature _____



WELLHEAD INSPECTION CHECKLIST BP / GEM

Date 12/09/03

Site Address 4280 Foothill, Oakland

Job Number 031209-MD2 Technician John DeJoy

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-2				✓			Ⓟ ✓	
MW-3							Ⓟ ✓	
MW-4							Ⓟ ✓	
MW-5							Ⓟ ✓	
MW-6	✓						Ⓟ	
MW-7							Ⓟ	

NOTES: Ⓟ repair order submitted

ATTACHMENT B

**LABORATORY PROCEDURES,
CERTIFIED ANALYTICAL REPORTS,
AND CHAIN-OF-CUSTODY RECORDS**

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by Atlantic Richfield Company have been reviewed and verified by that laboratory.



23 December, 2003

Leonard Niles
URS Corporation [Arco]
500 12th Street, Suite 200
Oakland, CA 94607

RE: BP Heritage #11109, Oakland, CA
Work Order: MML0343

Enclosed are the results of analyses for samples received by the laboratory on 12/10/03 12:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen
Project Manager

CA ELAP Certificate #1210



URS Corporation [Arco]
500 12th Street, Suite 200
Oakland CA, 94607

Project: BP Heritage #11109, Oakland, CA
Project Number: N/P
Project Manager: Leonard Niles

MML0343
Reported:
12/23/03 17:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MML0343-01	Water	12/09/03 13:50	12/10/03 12:40
MW-3	MML0343-02	Water	12/09/03 15:55	12/10/03 12:40
MW-4	MML0343-03	Water	12/09/03 15:40	12/10/03 12:40
MW-6	MML0343-04	Water	12/09/03 15:25	12/10/03 12:40
MW-7	MML0343-05	Water	12/09/03 16:10	12/10/03 12:40

There were no custody seals that were received with this project.

URS Corporation [Arco]
 500 12th Street, Suite 200
 Oakland CA, 94607

 Project: BP Heritage #11109, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MML0343
 Reported:
 12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MML0343-01) Water Sampled: 12/09/03 13:50 Received: 12/10/03 12:40									
Ethanol	ND	100	ug/l	1	3L19004	12/19/03	12/19/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	24	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	0.56	0.50	"	"	"	"	"	"	
Xylenes (total)	2.8	0.50	"	"	"	"	"	"	
Gasoline Range Organics	350	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %		78-129	"	"	"	"	
MW-3 (MML0343-02) Water Sampled: 12/09/03 15:55 Received: 12/10/03 12:40									
Ethanol	ND	100	ug/l	1	3L18003	12/18/03	12/19/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	O-09
Methyl tert-butyl ether	6.4	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %		78-129	"	"	"	"	

URS Corporation [Arco]
 500 12th Street, Suite 200
 Oakland CA, 94607

 Project: BP Heritage #11109, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MML0343
 Reported:
 12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MML0343-03) Water Sampled: 12/09/03 15:40 Received: 12/10/03 12:40									
Ethanol	ND	500	ug/l	5	3L18003	12/18/03	12/19/03	EPA 8260B	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	O-09
Methyl tert-butyl ether	130	2.5	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
tert-Amyl methyl ether	2.7	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics	ND	250	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %		78-129	"	"	"	"	
MW-6 (MML0343-04) Water Sampled: 12/09/03 15:25 Received: 12/10/03 12:40									
Ethanol	ND	100	ug/l	1	3L19005	12/19/03	12/19/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	12	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		119 %		78-129	"	"	"	"	

URS Corporation [Arco]
500 12th Street, Suite 200
Oakland CA, 94607

Project: BP Heritage #11109, Oakland, CA
Project Number: N/P
Project Manager: Leonard Niles

MML0343
Reported:
12/23/03 17:31

**Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
MW-7 (MML0343-05) Water Sampled: 12/09/03 16:10 Received: 12/10/03 12:40										
Ethanol	ND	100		ug/l	1	3L19004	12/19/03	12/19/03	EPA 8260B	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Methyl tert-butyl ether	8.7	0.50		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50		"	"	"	"	"	"	
Benzene	26	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
Gasoline Range Organics	270	50		"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>			104 %		78-129		"	"	"	"

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 Reported:
 12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3L18003 - EPA 5030B P/T
Blank (3L18003-BLK1)

Prepared & Analyzed: 12/18/03

Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics	ND	50	"							

<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.10		"	5.00		102	78-129			
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Laboratory Control Sample (3L18003-BS1)

Prepared & Analyzed: 12/18/03

Ethanol	178	100	ug/l	200		89.0	31-186			
tert-Butyl alcohol	48.6	20	"	50.0		97.2	0-206			
Methyl tert-butyl ether	10.7	0.50	"	10.0		107	63-137			
Di-isopropyl ether	9.87	0.50	"	10.0		98.7	76-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	61-141			
tert-Amyl methyl ether	11.1	0.50	"	10.0		111	56-140			
Benzene	9.39	0.50	"	10.0		93.9	78-124			
Toluene	10.7	0.50	"	10.0		107	78-129			
Ethylbenzene	10.1	0.50	"	10.0		101	84-117			
Xylenes (total)	32.3	0.50	"	30.0		108	83-125			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.08		"	5.00		102	78-129			
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Laboratory Control Sample (3L18003-BS2)

Prepared & Analyzed: 12/18/03

Methyl tert-butyl ether	8.95	0.50	ug/l	9.92		90.2	63-137			
Benzene	5.05	0.50	"	6.40		78.9	78-124			
Toluene	33.5	0.50	"	29.7		113	78-129			
Ethylbenzene	8.06	0.50	"	6.96		116	84-117			
Xylenes (total)	41.0	0.50	"	33.7		122	83-125			
Gasoline Range Organics	428	50	"	440		97.3	70-113			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.10		"	5.00		102	78-129			
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Project Number: N/P
Project Manager: Leonard Niles

MML0343
Reported:
12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3L18003 - EPA 5030B P/T
Laboratory Control Sample Dup (3L18003-BSD1)

Prepared & Analyzed: 12/18/03

Ethanol	235	100	ug/l	200	118	31-186	27.6	37		
tert-Butyl alcohol	59.4	20	"	50.0	119	0-206	20.0	22		O-09
Methyl tert-butyl ether	11.0	0.50	"	10.0	110	63-137	2.76	13		
Di-isopropyl ether	10.7	0.50	"	10.0	107	76-130	8.07	9		
Ethyl tert-butyl ether	10.7	0.50	"	10.0	107	61-141	3.81	9		
tert-Amyl methyl ether	11.5	0.50	"	10.0	115	56-140	3.54	12		
Benzene	9.52	0.50	"	10.0	95.2	78-124	1.37	12		
Toluene	10.4	0.50	"	10.0	104	78-129	2.84	10		
Ethylbenzene	10.8	0.50	"	10.0	108	84-117	6.70	10		
Xylenes (total)	33.3	0.50	"	30.0	111	83-125	3.05	11		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.03</i>		<i>"</i>	<i>5.00</i>	<i>101</i>	<i>78-129</i>				

Laboratory Control Sample Dup (3L18003-BSD2)

Prepared & Analyzed: 12/18/03

Methyl tert-butyl ether	9.40	0.50	ug/l	9.92	94.8	63-137	4.90	13		
Benzene	5.17	0.50	"	6.40	80.8	78-124	2.35	12		
Toluene	33.8	0.50	"	29.7	114	78-129	0.892	10		
Ethylbenzene	8.17	0.50	"	6.96	117	84-117	1.36	10		
Xylenes (total)	42.0	0.50	"	33.7	125	83-125	2.41	11		
Gasoline Range Organics	413	50	"	440	93.9	70-113	3.57	9		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.12</i>		<i>"</i>	<i>5.00</i>	<i>102</i>	<i>78-129</i>				

Batch 3L19004 - EPA 5030B P/T
Blank (3L19004-BLK1)

Prepared & Analyzed: 12/19/03

Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics	ND	50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.95</i>		<i>"</i>	<i>5.00</i>	<i>99.0</i>	<i>78-129</i>				

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Project Number: N/P
Project Manager: Leonard Niles

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Reported:
12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3L19004 - EPA 5030B P/T
Laboratory Control Sample (3L19004-BS1)

Prepared & Analyzed: 12/19/03

Ethanol	192	100	ug/l	200		96.0	31-186			
tert-Butyl alcohol	53.4	20	"	50.0		107	0-206			
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	63-137			
Di-isopropyl ether	10.1	0.50	"	10.0		101	76-130			
Ethyl tert-butyl ether	10.4	0.50	"	10.0		104	61-141			
tert-Amyl methyl ether	11.6	0.50	"	10.0		116	56-140			
Benzene	9.93	0.50	"	10.0		99.3	78-124			
Toluene	10.6	0.50	"	10.0		106	78-129			
Ethylbenzene	10.6	0.50	"	10.0		106	84-117			
Xylenes (total)	32.9	0.50	"	30.0		110	83-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.13</i>		<i>"</i>	<i>5.00</i>		<i>103</i>	<i>78-129</i>			

Laboratory Control Sample (3L19004-BS2)

Prepared & Analyzed: 12/19/03

Gasoline Range Organics	443	50	ug/l	440		101	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.90</i>		<i>"</i>	<i>5.00</i>		<i>98.0</i>	<i>78-129</i>			

Laboratory Control Sample Dup (3L19004-BSD1)

Prepared & Analyzed: 12/19/03

Ethanol	224	100	ug/l	200		112	31-186	15.4	37	
tert-Butyl alcohol	57.2	20	"	50.0		114	0-206	6.87	22	
Methyl tert-butyl ether	11.3	0.50	"	10.0		113	63-137	2.69	13	
Di-isopropyl ether	10.8	0.50	"	10.0		108	76-130	6.70	9	
Ethyl tert-butyl ether	10.8	0.50	"	10.0		108	61-141	3.77	9	
tert-Amyl methyl ether	11.7	0.50	"	10.0		117	56-140	0.858	12	
Benzene	9.77	0.50	"	10.0		97.7	78-124	1.62	12	
Toluene	10.0	0.50	"	10.0		100	78-129	5.83	10	
Ethylbenzene	10.8	0.50	"	10.0		108	84-117	1.87	10	
Xylenes (total)	32.9	0.50	"	30.0		110	83-125	0.00	11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.09</i>		<i>"</i>	<i>5.00</i>		<i>102</i>	<i>78-129</i>			

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 Project Manager: Leonard Niles

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 12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3L19004 - EPA 5030B P/T
Laboratory Control Sample Dup (3L19004-BSD2)

Prepared: 12/19/03 Analyzed: 12/20/03

Gasoline Range Organics	398	50	ug/l	440		90.5	70-113	10.7	9	QR-02
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.89</i>		"	<i>5.00</i>		<i>97.8</i>	<i>78-129</i>			

Matrix Spike (3L19004-MS1)

Source: MML0584-01

Prepared: 12/19/03 Analyzed: 12/20/03

Ethanol	19800	10000	ug/l	20000	ND	99.0	31-186			
tert-Butyl alcohol	5520	2000	"	5000	1300	84.4	0-206			
Methyl tert-butyl ether	14800	50	"	1000	15000	-20.0	63-137			E, QM-4X
Di-isopropyl ether	985	50	"	1000	ND	98.5	76-130			
Ethyl tert-butyl ether	1000	50	"	1000	ND	100	61-141			
tert-Amyl methyl ether	1090	50	"	1000	ND	109	56-140			
Benzene	1030	50	"	1000	100	93.0	78-124			
Toluene	1020	50	"	1000	ND	102	78-129			
Ethylbenzene	1140	50	"	1000	100	104	84-117			
Xylenes (total)	3170	50	"	3000	ND	106	83-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.99</i>		"	<i>5.00</i>		<i>99.8</i>	<i>78-129</i>			

Matrix Spike Dup (3L19004-MSD1)

Source: MML0584-01

Prepared: 12/19/03 Analyzed: 12/21/03

Ethanol	20800	10000	ug/l	20000	ND	104	31-186	4.93	37	
tert-Butyl alcohol	6310	2000	"	5000	1300	100	0-206	13.4	22	
Methyl tert-butyl ether	15500	50	"	1000	15000	50.0	63-137	4.62	13	E, QM-4X
Di-isopropyl ether	1040	50	"	1000	ND	104	76-130	5.43	9	
Ethyl tert-butyl ether	1040	50	"	1000	ND	104	61-141	3.92	9	
tert-Amyl methyl ether	1100	50	"	1000	ND	110	56-140	0.913	12	
Benzene	1050	50	"	1000	100	95.0	78-124	1.92	12	
Toluene	1060	50	"	1000	ND	106	78-129	3.85	10	
Ethylbenzene	1120	50	"	1000	100	102	84-117	1.77	10	
Xylenes (total)	3160	50	"	3000	ND	105	83-125	0.316	11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.97</i>		"	<i>5.00</i>		<i>99.4</i>	<i>78-129</i>			

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Reported:
12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3L19005 - EPA 5030B P/T
Blank (3L19005-BLK1)

Prepared & Analyzed: 12/19/03

Ethanol	ND	100	ug/l						
tert-Butyl alcohol	ND	20	"						
Methyl tert-butyl ether	ND	0.50	"						
Di-isopropyl ether	ND	0.50	"						
Ethyl tert-butyl ether	ND	0.50	"						
tert-Amyl methyl ether	ND	0.50	"						
Benzene	ND	0.50	"						
Toluene	ND	0.50	"						
Ethylbenzene	ND	0.50	"						
Xylenes (total)	ND	0.50	"						
Gasoline Range Organics	ND	50	"						

Surrogate: 1,2-Dichloroethane-d4

5.97

"

5.00

119

78-129

Laboratory Control Sample (3L19005-BS1)

Prepared & Analyzed: 12/19/03

Ethanol	236	100	ug/l	200		118	31-186		
tert-Butyl alcohol	45.8	20	"	50.0		91.6	0-206		
Methyl tert-butyl ether	10.0	0.50	"	10.0		100	63-137		
Di-isopropyl ether	8.76	0.50	"	10.0		87.6	76-130		
Ethyl tert-butyl ether	9.51	0.50	"	10.0		95.1	61-141		
tert-Amyl methyl ether	9.93	0.50	"	10.0		99.3	56-140		
Benzene	10.0	0.50	"	10.0		100	78-124		
Toluene	9.59	0.50	"	10.0		95.9	78-129		
Ethylbenzene	9.31	0.50	"	10.0		93.1	84-117		
Xylenes (total)	26.4	0.50	"	30.0		88.0	83-125		

Surrogate: 1,2-Dichloroethane-d4

6.04

"

5.00

121

78-129

Laboratory Control Sample (3L19005-BS2)

Prepared & Analyzed: 12/19/03

Methyl tert-butyl ether	8.50	0.50	ug/l	9.92		85.7	63-137		
Benzene	5.32	0.50	"	6.40		83.1	78-124		
Toluene	28.9	0.50	"	29.7		97.3	78-129		
Ethylbenzene	6.95	0.50	"	6.96		99.9	84-117		
Xylenes (total)	32.9	0.50	"	33.7		97.6	83-125		
Gasoline Range Organics	403	50	"	440		91.6	70-113		

Surrogate: 1,2-Dichloroethane-d4

6.08

"

5.00

122

78-129

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 Project Manager: Leonard Niles

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 Reported:
 12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3L19005 - EPA 5030B P/T
Laboratory Control Sample Dup (3L19005-BSD1)

Prepared & Analyzed: 12/19/03

Ethanol	209	100	ug/l	200		104	31-186	12.1	37	
tert-Butyl alcohol	46.2	20	"	50.0		92.4	0-206	0.870	22	
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	63-137	1.98	13	
Di-isopropyl ether	8.43	0.50	"	10.0		84.3	76-130	3.84	9	
Ethyl tert-butyl ether	9.60	0.50	"	10.0		96.0	61-141	0.942	9	
tert-Amyl methyl ether	9.94	0.50	"	10.0		99.4	56-140	0.101	12	
Benzene	10.2	0.50	"	10.0		102	78-124	1.98	12	
Toluene	9.56	0.50	"	10.0		95.6	78-129	0.313	10	
Ethylbenzene	9.16	0.50	"	10.0		91.6	84-117	1.62	10	
Xylenes (total)	26.2	0.50	"	30.0		87.3	83-125	0.760	11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>6.11</i>		<i>"</i>	<i>5.00</i>		<i>122</i>	<i>78-129</i>			<i>O-09</i>

Laboratory Control Sample Dup (3L19005-BSD2)

Prepared & Analyzed: 12/19/03

Methyl tert-butyl ether	9.18	0.50	ug/l	9.92		92.5	63-137	7.69	13	
Benzene	5.76	0.50	"	6.40		90.0	78-124	7.94	12	
Toluene	31.7	0.50	"	29.7		107	78-129	9.24	10	
Ethylbenzene	7.33	0.50	"	6.96		105	84-117	5.32	10	
Xylenes (total)	34.5	0.50	"	33.7		102	83-125	4.75	11	
Gasoline Range Organics	424	50	"	440		96.4	70-113	5.08	9	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>6.15</i>		<i>"</i>	<i>5.00</i>		<i>123</i>	<i>78-129</i>			<i>O-09</i>

Matrix Spike (3L19005-MS1)

Source: MML0368-03

Prepared & Analyzed: 12/19/03

Ethanol	2280	1000	ug/l	2000	ND	114	31-186			
tert-Butyl alcohol	547	200	"	500	ND	109	0-206			
Methyl tert-butyl ether	566	5.0	"	100	450	116	63-137			
Di-isopropyl ether	82.4	5.0	"	100	ND	82.4	76-130			
Ethyl tert-butyl ether	95.1	5.0	"	100	ND	95.1	61-141			
tert-Amyl methyl ether	99.4	5.0	"	100	1.1	98.3	56-140			
Benzene	150	5.0	"	100	55	95.0	78-124			
Toluene	114	5.0	"	100	17	97.0	78-129			
Ethylbenzene	95.5	5.0	"	100	1.6	93.9	84-117			
Xylenes (total)	340	5.0	"	300	81	86.3	83-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.97</i>		<i>"</i>	<i>5.00</i>		<i>119</i>	<i>78-129</i>			

URS Corporation [Arco]
 500 12th Street, Suite 200
 Oakland CA, 94607

 Project: BP Heritage #11109, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MML0343
 Reported:
 12/23/03 17:31

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 3L19005 - EPA 5030B P/T
Matrix Spike Dup (3L19005-MSD1)
Source: MML0368-03
Prepared & Analyzed: 12/19/03

Ethanol	2260	1000	ug/l	2000	ND	113	31-186	0.881	37	
tert-Butyl alcohol	553	200	"	500	ND	111	0-206	1.09	22	
Methyl tert-butyl ether	547	5.0	"	100	450	97.0	63-137	3.41	13	
Di-isopropyl ether	82.7	5.0	"	100	ND	82.7	76-130	0.363	9	
Ethyl tert-butyl ether	92.7	5.0	"	100	ND	92.7	61-141	2.56	9	
tert-Amyl methyl ether	98.6	5.0	"	100	1.1	97.5	56-140	0.808	12	
Benzene	147	5.0	"	100	55	92.0	78-124	2.02	12	
Toluene	108	5.0	"	100	17	91.0	78-129	5.41	10	
Ethylbenzene	94.7	5.0	"	100	1.6	93.1	84-117	0.841	10	
Xylenes (total)	343	5.0	"	300	81	87.3	83-125	0.878	11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>6.16</i>		<i>"</i>	<i>5.00</i>		<i>123</i>	<i>78-129</i>			

URS Corporation [Arco]
500 12th Street, Suite 200
Oakland CA, 94607Project: BP Heritage #11109, Oakland, CA
Project Number: N/P
Project Manager: Leonard NilesMML0343
Reported:
12/23/03 17:31**Notes and Definitions**

- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- O-09 The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
- QM-4X The spike recovery was outside of control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QR-02 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- 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



Chain of Custody Record

Project Name: 1109 GWM

BP BU/GEM CO Portfolio: Retail

MML0343

BP Laboratory Contract Number: Atlantic Richfield Company

Date: 12/09/03

Requested Due Date (mm/dd/yy): 149 DAY TAT

On-site Time: <u>1130</u>	Temp: <u>60</u>
Off-site Time: <u>1630</u>	Temp: <u>55</u>
Sky Conditions: <u>Rainy</u>	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: <u>11109</u>	Consultant/Contractor: <u>URS</u>
Lab Name: <u>SEQUOIA</u>	BP/GEM Facility Address: <u>4280 FOOTHILL, OAKLAND, CA</u>	Address: <u>500 12th St., Ste. 200</u>
Lab Address: <u>885 Jarvis Dr.</u>	Site ID No. <u>11109</u>	<u>Oakland, CA 94609-4014</u>
<u>Morgan Hill, CA 95037</u>	Site Lat/Lone:	e-mail EDD: <u>donna.casper@URSCorp.com</u>
	California Global ID #: <u>T0800100217</u>	Consultant/Contractor Project No.:
Lab PM: <u>Theresa Allen</u>	BP/GEM PM Contact: <u>PAUL SUPPLE</u>	Consultant Tele/Fax: <u>510-893-3600/510-874-3268</u>
Tele/Fax: <u>408-776-9600 / 408-782-8308</u>	Address: <u>P.O. Box 6549</u>	Consultant/Contractor PM: <u>Leonard Niles</u>
Report Type & QC Level: <u>1 Send EDF Reports</u>	<u>Moraga, CA 94570</u>	Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one)
BP/GEM Account No.: <u>400-6-21124</u>	Tele/Fax: <u>925-299-8891/925-299-8872</u>	BP/GEM Work Release No.:

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives			Requested Analysis					Sample Point Lat/Lon and Comments		
			Soil/Solid	Water/Liquid	Scudiments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-G / BIEX (8015/8021) (\$260)	TPH-D (8015)	MTBE (8021)	MTBE (8260)		MTBE, TAME, STBE	DIPE, TBA (8260)
1	MW-2	1358		✓			W						✓						
2	MW-3	1555		✓			W						✓						
3	MW-4	1540		✓			W						✓						
4	MW-5	1525		✓			W						✓						
5	MW-7	1600		✓			W						✓						
6																			
7																			
8																			
9																			
10																			

Sampler's Name: <u>Jonathan DeJong</u>	Relinquished By / Affiliation:	Date:	Time:	Accepted By / Affiliation:	Date:	Time:
Sampler's Company: <u>BKinc Tech Services</u>	<u>[Signature]</u>	<u>12/9/03</u>	<u>1240</u>	<u>[Signature]</u>	<u>12/9/03</u>	<u>1150</u>
Shipment Date:	<u>[Signature]</u>	<u>12/9/03</u>	<u>1240</u>	<u>[Signature]</u>	<u>12/9/03</u>	<u>1240</u>
Shipment Method:						
Shipment Tracking No.:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

Chain of Custody Seals in Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt Trip Blank Yes No

12/10/03

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
 REC. BY (PRINT) TL
 WORKORDER: 17 ML0343

DATE REC'D AT LAB: 12/10/03
 TIME REC'D AT LAB: 1240
 DATE LOGGED IN: 12-11-03

DRINKING WATER for regulatory purposes: YES / NO
 WASTE WATER for regulatory purposes: YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <input checked="" type="radio"/> Absent Intact / Broken*			MW-2	(3) Vials	HU	L	12/9/03	3237090
2. Chain-of-Custody Present / Absent*			MW-3	↓	↓	↓	↓	↓
3. Traffic Reports or Packing List: Present / <input checked="" type="radio"/> Absent			MW-4	↓	↓	↓	↓	↓
4. Airbill: Airbill / Slicker Present / <input checked="" type="radio"/> Absent			MW-6	↓	↓	↓	↓	↓
5. Airbill #:			MW-7	↓	↓	↓	↓	↓
6. Sample Labels: Present / Absent								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No*								
10. Sample received within hold time: <input checked="" type="radio"/> Yes / No*								
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No*								
12. Proper Preservatives used: <input checked="" type="radio"/> Yes / No*								
13. Temp Rec. at Lab: Is temp 4 +/- 2°C? <input checked="" type="radio"/> Yes / No**								

12/9/03 TL

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

12/26/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage #11109, Oakla
Work Order Number:	MML0343
Global ID:	T0600100217
Lab Report Number:	MML0343122320031731

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MML03431223200 MW-2 31731		MML034301	W	CS	8260TPH	SW5030B	12/09/03	12/19/03	12/19/03	3L19004	1
MML03431223200 MW-3 31731		MML034302	W	CS	8260TPH	SW5030B	12/09/03	12/18/03	12/19/03	3L18003	1
MML03431223200 MW-4 31731		MML034303	W	CS	8260TPH	SW5030B	12/09/03	12/18/03	12/19/03	3L18003	1
MML03431223200 MW-6 31731		MML034304	W	CS	8260TPH	SW5030B	12/09/03	12/19/03	12/19/03	3L19005	1
MML03431223200 MW-7 31731		MML034305	W	CS	8260TPH	SW5030B	12/09/03	12/19/03	12/19/03	3L19004	1
		MML036803	W	NC	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19005	1
		MML058401	W	NC	8260TPH	SW5030B	//	12/19/03	12/20/03	3L19004	1
		3L18003BSD1	WQ	BD1	8260TPH	SW5030B	//	12/18/03	12/18/03	3L18003	1
		3L18003BSD2	WQ	BD2	8260TPH	SW5030B	//	12/18/03	12/18/03	3L18003	1
		3L18003BS1	WQ	BS1	8260TPH	SW5030B	//	12/18/03	12/18/03	3L18003	1
		3L18003BS2	WQ	BS2	8260TPH	SW5030B	//	12/18/03	12/18/03	3L18003	1
		3L18003BLK1	WQ	LB1	8260TPH	SW5030B	//	12/18/03	12/18/03	3L18003	1
		3L19004BSD1	WQ	BD1	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19004	1
		3L19004BSD2	WQ	BD2	8260TPH	SW5030B	//	12/19/03	12/20/03	3L19004	1
		3L19004BS1	WQ	BS1	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19004	1
		3L19004BS2	WQ	BS2	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19004	1
		3L19004BLK1	WQ	LB1	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19004	1
		3L19004MS1	W	MS1	8260TPH	SW5030B	//	12/19/03	12/20/03	3L19004	1
		3L19004MSD1	W	SD1	8260TPH	SW5030B	//	12/19/03	12/21/03	3L19004	1
		3L19005BSD1	WQ	BD1	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19005	1
		3L19005BSD2	WQ	BD2	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19005	1
		3L19005BS1	WQ	BS1	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19005	1
		3L19005BS2	WQ	BS2	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19005	1
		3L19005BLK1	WQ	LB1	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19005	1
		3L19005MS1	W	MS1	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19005	1
		3L19005MSD1	W	SD1	8260TPH	SW5030B	//	12/19/03	12/19/03	3L19005	1

EDFSAMP: Error Summary Log

12/26/03

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
There are no errors in this data file					

EDFTEST: Error Summary Log

12/26/03

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
There are no errors in this data file					//	0

EDFRES: Error Summary Log

12/26/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
There are no errors in this data file						//	0	

EDFQC: Error Summary Log

12/26/03

Error type	Lablctcl	Anmcode	Parlabel	Qccode	Labqid
There are no errors in this data files					

EDFCL: Error Summary Log

12/26/03

Error type	Clrevdate	Anmcode	Exmcode	Parlabel	Cicode
There are no errors in this data file	/ /				

AB2886 Electronic Delivery

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

Your EDF file has been successfully uploaded!

Confirmation Number: 5251971304

Date/Time of Submittal: 1/7/2004 7:55:17 AM

Facility Global ID: T0600100217

Facility Name: BP

Submittal Title: Fourth Quarter 03 Ground Water Monitoring site #11109

Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).

AB2886 Electronic Delivery

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UPLOADING A GEO_WELL FILE

**Processing is complete. No errors were found!
Your file has been successfully submitted!**

**Submittal Title: Fourth Quarter 03 Ground Water Monitoring site
#11109**
Submittal Date/Time: 1/6/2004 1:21:43 PM
**Confirmation
Number: 3543812394**

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Logged in as URSCORP-OAKLAND
(CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).

ATTACHMENT D

JOINT MONITORING DATA

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-1											
04/28/89	35.42	15.37	20.05	--	--	940	30	1.3	11	13	--
08/08/89	35.42	11.35	24.07	--	--	820	45	2.0	13	13	--
12/21/89	35.42	12.61	22.81	--	--	--	--	--	--	--	--
08/27/90	35.42	13.30	22.12	--	--	440	15	1.0	6.0	13	--
11/04/90	35.42	9.86	25.56	--	--	--	--	--	--	--	--
06/18/91	35.42	13.78	21.64	--	--	74	5.6	0.6	1.9	1.3	--
09/19/91	35.42	10.84	24.58	--	--	150	7.1	<0.5	2.3	3.0	--
12/20/91	35.42	9.25	26.17	--	--	250	10	<0.5	3.7	1.6	--
03/18/92	35.42	17.17	18.25	--	--	190	16	<0.5	8.5	3	--
07/14/92	35.42	7.81	27.61	--	--	20,000	480	2,200	510	2,900	--
10/08/92	35.42	10.98	24.44	--	--	360	34	4.6	19	12	--
01/08/93	35.42	15.74	19.68	--	--	120	9.1	0.5	5.1	1.8	--
04/14/93	35.42	19.04	16.38	--	--	190	74	0.6	1.0	2.0	--
07/16/93	35.42	--	--	--	--	--	--	--	--	--	--
07/27/93	35.42	26.03	9.39	--	--	300	12	<0.5	5.0	2.0	--
09/21/93	38.41	16.99	21.42	--	--	360	12	1.2	5.8	3.7	--
01/28/94	38.41	18.84	19.57	--	--	370	24	1.0	13	4.0	--
03/17/94	38.41	21.56	16.85	--	--	460	42	<0.5	6.7	3.7	--
06/16/94	38.41	20.58	17.83	--	--	320	20	0.7	8.7	3.0	--
09/22/94	38.41	18.15	20.26	--	--	380	24	0.6	8.8	1.9	--
12/15/94	38.41	22.59	15.82	--	--	280	23	7.6	7.8	13	--
03/30/95	38.41	26.39	12.02	--	--	2,200	890	8.9	15	<5.0	--
06/20/95	38.41	24.01	14.40	--	--	690	140	<2.0	9.4	2.8	--
09/20/95	38.41	24.59	13.82	--	--	730	27	78	26	130	--
12/06/95	38.41	17.81	20.60	--	--	220	16	<0.5	7.2	1.7	11
03/21/96	38.41	26.76	11.65	--	--	640	170	<2.0	6.7	<2.0	35
06/21/96	38.41	24.16	14.25	--	--	640	140	<1.2	8.7	2.0	23
09/06/96	38.41	21.66	16.75	--	--	460	24	0.56	10	2.4	43
12/19/96	38.41	24.43	13.98	--	--	790	120	22	13	19	<25
03/17/97	38.41	25.63	12.78	--	--	2,200	660	<10	15	<10	110
06/11/97	38.41	23.25	15.16	--	--	1,500	130	<2.0	16	3.4	130
09/17/97	38.41	21.47	16.94	--	--	910	160	23	13	49	180

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-1 (cont)											
12/11/97	38.41	25.23	13.18	--	--	2,000	270	7.0	53	7.4	460
03/12/98	38.41	28.92	9.49	--	--	3,100	1,300	<20	42	<20	760
06/23/98	38.41	28.19	10.22	--	--	1,300	650	6.9	22	6.5	290
09/01/98	38.41	21.43	16.98	--	--	270	6.0	<2.5	<2.5	<2.5	950
12/30/98	38.41	22.29	16.12	--	--	2,020	578	<5.0	<5.0	<5.0	1,720
03/31/99	38.41	24.53	13.88	--	--	2,140	776	5.89	<5.0	5.15	1,170
06/14/99	38.41	23.09	15.32	--	--	1,450	524	<5.0	<5.0	<5.0	1,150
06/14/99 ¹	38.41	23.09	15.32	--	--	--	--	--	--	--	1,360 ²
09/30/99	38.41	22.30	16.11	--	--	79	1.12	<0.5	1.07	<0.5	677
12/22/99	38.41	23.37	15.04	--	--	501	157	4.45	<2.5	4.81	744
03/09/00	38.41	31.28	7.13	--	--	3,300	2,500	28	37	<25	1,700
06/23/00 ³	38.41	25.86	12.55	0.00	0.00	2,200 ⁴	1,000	6.9	5.7	9.3	1,900
09/05/00 ³	38.41	21.28	17.13	0.00	0.00	<200	8.3	<2.0	<2.0	<2.0	1,000
12/04/00	38.41	21.48	16.93	0.00	0.00	1,400 ⁴	600	<5.0	<5.0	<5.0	1,500
03/08/01 ³	38.41	30.45	7.96	0.00	0.00	2,570	1,040	7.93	12.0	<5.00	1,470
06/07/01 ³	38.41	25.45	12.96	0.00	0.00	750 ⁴	220	5.6	4.8	2.6	2,500 ⁵
09/13/01 ³	38.41	19.91	18.50	0.00	0.00	670 ⁶	<5.0	<5.0	<5.0	<5.0	660
12/13/01 ³	38.41	23.02	15.39	0.00	0.00	1,100	340	2.1	0.95	7.9	630
03/08/02 ³	38.41	28.35	10.06	0.00	0.00	3,600	1,400	9.5	17	6.5	1,900
06/19/02 ³	38.41	24.92	13.49	0.00	0.00	1,300	220	3.4	2.7	<3.0	1,400
09/11/02 ³	38.41	21.18	17.23	0.00	0.00	400	22	<0.50	<0.50	<1.5	780
12/11/02 ³	38.41	19.81	18.60	0.00	0.00	180	4.2	<0.50	1.1	<1.5	350
03/11/03 ³	38.41	25.81	12.60	0.00	0.00	3,500	1,100	9.1	12	8.0	1,600
06/10/03 ^{3,7}	38.41	25.73	12.68	0.00	0.00	1,600	350	2	3	3	1,300
09/09/03 ^{3,7,9}	38.41	21.66	16.75	0.00	0.00	290	4	<1	1	1	710
12/09/03 ^{7,11,12}	38.41	20.73	17.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	200
C-2											
04/28/89	35.18	8.74	26.44	--	--	120,000	30,000	22,000	3,000	17,000	--
08/08/89	35.18	5.29	29.90	0.01	--	--	--	--	--	--	--
12/21/89	35.18	5.86	29.32	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2 (cont)											
08/27/90	35.18	5.77	29.55	0.17	--	--	--	--	--	--	--
11/04/90	35.18	4.71	30.47	--	--	--	--	--	--	--	--
06/18/91	35.18	6.90	28.33	0.06	--	--	--	--	--	--	--
09/19/91	35.18	5.84	29.39	0.06	--	--	--	--	--	--	--
12/20/91	35.18	5.95	29.23	--	--	170,000	20,000	10,000	2,800	19,000	--
03/18/92	35.18	21.58	13.60	0.09	--	--	--	--	--	--	--
07/14/92	35.18	--	--	--	--	--	--	--	--	--	--
10/08/92	35.18	--	--	--	--	--	--	--	--	--	--
01/08/93	35.18	10.98	24.20	Sheen	--	79,000	14,000	7,200	3,500	16,000	--
04/14/93	35.18	--	--	--	--	--	--	--	--	--	--
07/16/93	35.18	5.03	30.15	--	--	2200	440	73	24	350	--
09/21/93	37.47	11.18	26.29	--	--	11,000	2,300	300	270	910	--
01/28/94	37.47	13.51	23.96	--	--	49,000	11,000	3,900	1,600	12,000	--
03/17/94	37.47	11.48	25.99	--	--	16,000	3,300	1,000	220	3,500	--
06/16/94	37.47	13.55	23.92	--	--	20,000	4,800	1,500	520	4,300	--
09/22/94	37.47	11.85	25.62	--	--	35,000	5,600	850	1,700	7,300	--
12/15/94	37.47	16.31	21.16	--	--	96,000	9,000	3,500	3,300	13,000	--
03/30/95	37.47	20.29	17.18	--	--	100,000	9,400	3,700	3,900	14,000	--
06/20/95	37.47	18.52	18.95	--	--	93,000	6,400	1,900	2,900	11,000	--
09/20/95	37.47	19.27	18.20	--	--	58,000	6,600	330	1,600	5,500	--
12/06/95	37.47	12.71	24.76	--	--	40,000	5,000	86	1,800	3,700	<500
03/21/96	37.47	21.30	16.17	0.00	0.13	--	--	--	--	--	--
06/21/96	37.47	19.34	18.15	0.02	0.03	--	--	--	--	--	--
09/06/96	37.47	16.36	21.14	0.04	0.08	--	--	--	--	--	--
12/19/96	37.47	19.94	17.55	0.03	0.05	--	--	--	--	--	--
03/17/97	37.47	18.88	18.59	--	--	58,000	4,800	1,200	1,800	6,300	3,400
06/11/97	37.47	16.17	21.30	--	--	40,000	5,500	720	1,400	4,100	3,100
09/17/97	37.47	14.33	23.14	--	--	30,000	4,800	220	1,200	1,800	3,200
12/11/97	37.47	20.26	17.21	--	--	76,000	6,100	1,300	2,200	8,000	3,800
03/12/98	37.47	23.30	14.17	--	--	45,000	6,000	1,400	1,800	5,900	2,700
06/23/98 ³	37.47	22.65	14.82	--	--	1,100,000	6,800	5,100	13,000	38,000	<1,000
09/01/98	37.47	15.69	21.78	--	--	9,700	300	8.2	6.2	250	3,700

Table 1
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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2 (cont)											
12/30/98	37.47	15.61	21.86	--	--	110,000	4,790	1,300	841	5,570	2,420
03/31/99	37.47	20.57	16.90	--	--	48,000	4,800	1,110	1,520	5,450	2,160
06/14/99	37.47	17.32	20.15	Sheen	--	56,400	5,380	671	1,300	3,960	2,480
06/14/99 ¹	37.47	17.32	20.15	--	--	--	--	--	--	--	2,630 ²
09/30/99	37.47	14.50	22.97	--	--	22,100	623	<100	529	1,250	2,430
12/22/99	37.47	16.47	21.00	--	--	10,200	1,750	102	222	963	1,980
03/09/00	37.47	25.27	12.20	--	--	26,000	4,800	930	1,200	4,400	1,800
06/23/00 ³	37.47	18.53	18.94	0.00	0.00	29,000 ⁴	3,400	360	440	2,500	2,800
09/05/00 ³	37.47	17.01	20.46	0.00	0.00	35,000 ⁴	3,800	54	980	750	5,200
12/04/00	37.47	16.54	20.93	0.00	0.00	16,000 ⁴	2,500	120	360	1,100	2,100
03/08/01 ³	37.47	20.53	16.94	0.00	0.00	42,300	3,930	828	2,010	5,180	1,660
06/07/01 ³	37.47	18.13	19.34	0.00	0.00	15,000 ⁴	3,400	150	700	1,300	1,900
09/13/01 ³	37.47	15.28	22.19	0.00	0.00	9,600	1,200	<50	120	160	2,200
12/13/01 ³	37.47	19.87	17.60	0.00	0.00	33,000	3,200	430	1,300	3,700	1,400
03/08/02 ³	37.47	23.18	14.29	0.00	0.00	26,000	2,900	390	1,200	2,800	1,100
06/19/02 ³	37.47	18.36	19.11	0.00	0.00	19,000	3,000	100	720	1,100	1,400
09/11/02 ³	37.47	16.79	20.68	0.00	0.00	10,000	1,400	23	120	78	1,800
12/11/02 ³	37.47	15.36	22.11	0.00	0.00	8,700	1,300	24	100	250	1,900
03/11/03 ³	37.47	22.86	14.61	0.00	0.00	23,000	2,000	280	1,100	2,100	990
06/10/03 ^{3,7}	37.47	20.36	17.11	0.00	0.00	14,000	1,300	91	450	720	480
09/09/03 ^{3,7,10}	37.47	16.33	21.14	0.00	0.00	6,800	1,100	9	83	47	1,300
12/09/03 ^{7,11,13}	37.47	18.27	19.20	0.00	0.00	22,000	1,100	120	570	1,000	460
C-3											
04/28/89	35.28	7.28	28.00	--	--	<500	1.7	<0.5	<0.5	<0.5	--
08/08/89	35.28	5.28	30.00	--	--	<500	1.0	<0.5	<0.5	<0.5	--
12/21/89	35.28	4.75	30.53	--	--	--	--	--	--	--	--
08/27/90	35.28	5.60	29.68	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
11/04/90	35.30	4.94	30.36	--	--	--	--	--	--	--	--
06/18/91	35.30	6.84	28.46	--	--	52	1.1	<0.5	<0.5	1.2	--
09/19/91	35.30	5.97	29.33	--	--	73	1.2	<0.5	<0.5	<0.5	--

Table 1
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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-3 (cont)											
12/20/91	35.30	5.53	29.77	--	--	<50	0.7	<0.5	<0.5	<0.5	--
03/18/92	35.30	9.55	25.75	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/14/92	35.30	7.43	27.87	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/08/92	35.30	6.75	28.55	--	--	<50	<0.5	<0.5	<0.5	0.5	--
01/08/93	35.30	9.45	25.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/93	35.30	11.34	23.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/16/93	35.30	9.66	25.64	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/93	38.37	12.15	26.22	--	--	<50	0.7	<0.5	<0.5	<0.8	--
01/28/94	38.37	12.71	25.66	--	--	<50	2.0	<0.5	<0.5	1.0	--
03/17/94	38.37	13.42	24.95	--	--	<50	2.8	<0.5	0.6	1.5	--
06/16/94	38.37	14.06	24.31	--	--	<50	1.4	<0.5	<0.5	<0.5	--
09/22/94	38.37	13.33	25.04	--	--	<50	0.6	<0.5	<0.5	<0.5	--
12/15/94	38.37	16.15	22.22	--	--	<50	2.6	1.7	0.82	4.5	--
03/30/95	38.37	19.95	18.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/20/95	38.37	18.58	19.79	--	--	110	2.2	<0.5	<0.5	1.2	--
09/20/95	38.37	19.42	18.95	--	--	560	21	80	23	120	--
12/06/95	38.37	14.21	24.16	--	--	<50	0.73	<0.5	<0.5	0.67	<2.5
03/21/96	38.37	20.52	17.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	38.37	18.59	19.78	--	--	57	<0.5	<0.5	<0.5	<0.5	<2.5
09/06/96	38.37	16.74	21.63	--	--	<50	0.9	<0.5	<0.5	<0.5	<2.5
12/19/96	38.37	16.07	22.30	--	--	310	36	33	6.5	28	<2.5
03/17/97	38.37	19.42	18.95	--	--	54	1.1	<0.5	<0.5	0.76	<2.5
06/11/97	38.37	17.22	21.15	--	--	120	1.1	<0.5	<0.5	<0.5	<2.5
09/17/97	38.37	15.96	22.41	--	--	240	19	19	6.6	40	13
12/11/97	38.37	16.11	22.26	--	--	<50	1.8	<0.5	<0.5	0.5	<2.5
03/12/98	38.37	20.02	18.35	--	--	72	6.3	<0.5	0.64	3.1	2.6
06/23/98	38.37	19.33	19.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/01/98	38.37	18.40	19.97	--	--	200	6.8	0.31	0.52	2.0	<2.5
12/30/98	38.37	17.06	21.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
03/31/99	38.37	20.60	17.77	--	--	<50	<0.5	<0.5	<0.5	<0.5	12.6
06/14/99	38.37	20.12	18.25	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/99	38.37	17.18	21.19	--	--	79.2	3.04	0.794	<0.5	1.04	6.17

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4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-3 (cont)											
12/22/99	38.37	16.05	22.32	--	--	<50	1.53	1.08	<0.5	0.66	12
03/09/00	38.37	21.27	17.10	--	--	99	6.9	0.8	0.89	3.8	12
06/23/00	38.37	19.22	19.15	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/00	38.37	17.53	20.84	0.00	0.00	52 ⁴	4.3	<0.50	<0.50	0.93	29
12/04/00	38.37	17.17	21.20	0.00	0.00	70 ⁴	4.0	<0.50	<0.50	0.71	25
03/08/01	38.37	20.70	17.67	0.00	0.00	<50.0	0.873	<0.500	<0.500	<0.500	3.24
06/07/01	38.37	19.47	18.90	0.00	0.00	140 ⁴	16	0.67	1.4	3.8	30
09/13/01	38.37	17.36	21.01	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/13/01	38.37	18.57	19.80	0.00	0.00	<50	1.2	<0.50	<0.50	<1.5	15
03/08/02	38.37	20.59	17.78	0.00	0.00	82	5.4	<0.50	<0.50	<1.5	68
06/19/02	38.37	19.97	18.40	0.00	0.00	74	2.1	<0.50	<0.50	<1.5	77
09/11/02	38.37	18.20	20.17	0.00	0.00	110	4.7	<0.50	<0.50	<1.5	76
12/11/02	38.37	16.62	21.75	0.00	0.00	79	1.5	<0.50	<0.50	<1.5	96
03/11/03	38.37	19.30	19.07	0.00	0.00	<50	2.1	<0.50	<0.50	<1.5	18
06/10/03 ⁷	38.37	19.29	19.08	0.00	0.00	86	2	<0.5	<0.5	<0.5	93
09/09/03 ^{7,11}	38.37	17.67	20.70	0.00	0.00	<50	2	<0.5	<0.5	<0.5	160
12/09/03 ^{7,11}	38.37	17.32	21.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9
C-4											
01/12/89	33.45	3.96	29.49	--	--	--	--	--	--	--	--
04/12/89	33.45	6.01	27.44	--	--	--	--	--	--	--	--
04/28/89	33.45	3.96	29.49	--	--	20,000	6,300	550	230	1,500	--
08/08/89	33.45	3.90	29.55	--	--	8,000	7,500	340	88	1,000	--
12/21/89	33.45	3.43	30.02	--	--	--	--	--	--	--	--
08/27/90	33.48	4.46	29.02	--	--	26,000	10,000	280	410	1,400	--
11/04/90	33.48	3.67	29.81	--	--	--	--	--	--	--	--
06/18/91	33.48	6.03	27.45	--	--	34,000	14,000	410	450	1,300	--
09/19/91	33.48	4.83	28.65	--	--	16,000	7,400	90	110	460	--
12/20/91	33.48	4.64	28.84	--	--	24,000	12,000	120	260	740	--
03/18/92	33.48	11.05	24.43	--	--	48,000	6,000	1,300	1,300	2,400	--
07/14/92	33.48	6.59	26.89	--	--	40,000	14,000	920	550	2,400	--

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Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4 (cont)											
10/08/92	33.48	5.69	27.79	--	--	29,000	13,000	190	110	1,400	--
01/08/93	33.48	9.98	23.50	--	--	25,000	7,000	630	860	1,800	--
04/14/93	33.48	12.35	21.13	--	--	27,000	6,300	1,000	900	1,400	--
07/16/93	33.48	9.52	23.96	--	--	28,000	7,800	1,100	830	2,100	--
09/21/93	36.49	10.98	25.51	--	--	30,000	9,600	130	390	1,300	--
01/28/94	36.49	13.18	23.31	--	--	18,000	7,800	440	260	1,200	--
03/17/94	36.49	15.14	21.35	--	--	32,000	7,800	820	820	1,800	--
06/16/94	36.49	13.99	22.50	--	--	25,000	7,600	710	600	1,800	--
09/22/94	36.49	12.56	23.93	--	--	25,000	7,800	140	600	1,100	--
12/15/94	36.49	17.47	19.02	--	--	38,000	7,600	460	1,200	2,000	--
03/30/95	36.49	21.63	14.86	--	--	41,000	8,700	1,600	1,800	3,000	--
06/20/95	36.49	19.59	16.90	--	--	29,000	6,000	890	960	1,800	--
09/20/95	36.49	20.29	16.20	--	--	12,000	6,900	510	290	1,300	--
12/06/95	36.49	13.37	23.12	--	--	13,000	3,900	42	30	250	<250
03/21/96	36.49	22.39	14.10	--	--	39,000	4,800	640	1,000	1,800	<1,000
06/21/96	36.49	19.54	16.95	--	--	26,000	4,400	640	960	1,800	2,000
09/06/96	36.49	16.36	20.13	--	--	23,000	500	200	230	1,000	3,100
12/19/96	36.49	19.57	16.92	--	--	23,000	4,900	320	1,100	2,000	<250
03/17/97	36.49	19.09	17.40	--	--	30,000	5,800	700	1,400	2,200	1,700
06/11/97	36.49	18.15	18.34	--	--	29,000	4,400	520	790	1,800	2,000
09/17/97	36.49	15.03	21.46	--	--	17,000	4,300	140	940	1,100	4,600
12/11/97	36.49	19.84	16.65	--	--	12,000	2,500	130	300	1,000	1,400
03/12/98	36.49	19.90	16.59	--	--	46,000	11,000	1,500	2,300	5,000	3,400
06/23/98 ³	36.49	19.47	17.02	--	--	27,000	1,600	160	180	690	100
09/01/98	36.49	15.04	21.45	--	--	520	14	2.3	<0.5	4.8	61
12/30/98	36.49	15.07	21.42	--	--	122	14.1	1.86	<1.0	3.61	349
03/31/99	36.49	21.29	15.20	--	--	20,300	4,450	443	1,000	2,130	1,320
06/14/99	36.49	14.69	21.80	--	--	1,820	183	7.14	36.7	56.5	291
06/14/99 ¹	36.49	14.69	21.80	--	--	--	--	--	--	--	280 ²
09/30/99	36.49	16.68	19.81	--	--	1,030	11.6	2.14	29.2	68.7	91.5
12/22/99	36.49	16.22	20.27	--	--	217	4.45	0.765	2.82	8.21	70.2
03/09/00	36.49	23.13	13.36	--	--	8,300	2,600	270	510	1,400	650

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C-4 (cont)											
06/23/00 ³	36.49	17.09	19.40	0.00	0.00	55 ⁴	1.2	<0.50	<0.50	<0.50	250
09/05/00 ³	36.49	15.06	21.43	0.00	0.00	110 ⁴	5.4	<0.50	<0.50	1.1	52
12/04/00	36.49	14.71	21.78	0.00	0.00	<50	<0.50	0.56	<0.50	1.1	22
03/08/01 ³	36.49	19.87	16.62	0.00	0.00	9,080	2,260	229	395	1,060	718
06/07/01 ³	36.49	16.89	19.60	0.00	0.00	800 ⁴	75	4.3	22	33	340
09/13/01 ³	36.49	14.78	21.71	0.00	0.00	<50	0.68	<0.50	<0.50	<0.50	18
12/13/01 ³	36.49	18.54	17.95	0.00	0.00	5,800	1,400	43	21	470	540
03/08/02 ³	36.49	19.71	16.78	0.00	0.00	7,000	1,300	67	280	390	610
06/19/02 ³	36.49	17.69	18.80	0.00	0.00	3,100	130	6.5	29	55	250
09/11/02 ³	36.49	16.19	20.30	0.00	0.00	820	6.2	1.0	2.2	2.5	26
12/11/02 ³	36.49	14.52	21.97	0.00	0.00	<50	0.74	<0.50	<0.50	<1.5	9.3
03/11/03 ³	36.49	18.10	18.39	0.00	0.00	5,500	490	12	100	210	330
06/10/03 ^{3,7}	36.49	17.74	18.75	0.00	0.00	3,300	370	15	120	200	200
09/09/03 ^{3,7,11}	36.49	15.70	20.79	0.00	0.00	690	8	0.8	5	5	30
12/09/03 ^{7,11,12}	36.49	16.19	20.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	57
C-5											
08/27/90	35.50	5.67	29.83	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
11/14/90	35.50	4.94	30.56	--	--	--	--	--	--	--	--
06/18/91	35.50	6.98	28.52	--	--	<50	<0.5	<0.5	<0.5	--	--
09/19/91	35.50	5.99	29.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/20/91	35.50	5.54	29.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/18/92	35.50	9.58	25.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/14/92	35.50	7.50	28.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/08/92	35.50	6.85	28.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/93	35.50	9.48	26.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/93	35.50	11.46	24.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/16/93	35.50	10.29	25.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/93	38.50	12.14	26.36	--	--	60	10	8.1	1.9	9.4	--
01/28/94	38.50	12.60	25.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	38.50	14.00	24.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-5 (cont)											
06/16/94	38.50	14.10	24.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/94	38.50	13.34	25.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/15/94	38.50	15.61	22.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/30/95	38.50	19.96	18.54	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/20/95	38.50	18.37	20.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/20/95	38.50	14.16	24.34	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	38.50	14.40	24.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/21/96	38.50	20.10	18.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	38.50	18.23	20.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	8.7
06/06/96	38.50	16.60	21.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	38.50	17.35	21.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	38.50	18.66	19.84	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	38.50	16.90	21.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	38.50	10.67	27.83	--	--	SAMPLED ANNUALLY		--	--	--	--
12/11/97	38.50	17.50	21.00	--	--	--	--	--	--	--	--
03/12/98	38.50	22.08	16.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/98	38.50	21.52	16.98	--	--	--	--	--	--	--	--
09/01/98	38.50	18.08	20.42	--	--	--	--	--	--	--	--
12/30/98	38.50	17.71	20.79	--	--	--	--	--	--	--	--
03/31/99	38.50	21.45	17.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	15
06/14/99	38.50	21.02	17.48	--	--	--	--	--	--	--	--
09/30/99	38.50	19.77	18.73	--	--	--	--	--	--	--	--
12/22/99	38.50	16.32	22.18	--	--	--	--	--	--	--	--
03/09/00	38.50	21.52	16.98	--	--	<50	<0.5	<0.5	<0.5	0.87	3.5
06/23/00	38.50	18.85	19.65	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
09/05/00	38.50	18.03	20.47	0.00	0.00	--	--	--	--	--	--
12/04/00	38.50	17.04	21.46	0.00	0.00	--	--	--	--	--	--
03/08/01	38.50	20.97	17.53	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	5.15
06/07/01	38.50	19.00	19.50	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
09/13/01	38.50	17.07	21.43	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
12/13/01	38.50	18.66	19.84	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
03/08/02	38.50	20.32	18.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.5

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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-5 (cont)											
06/19/02	38.50	19.62	18.88	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
09/11/02	38.50	17.94	20.56	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
12/11/02	38.50	16.68	21.82	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
03/11/03	38.50	19.54	18.96	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.2
06/10/03	38.50	19.63	18.87	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
09/09/03	38.50	17.82	20.68	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
12/09/03	38.50	18.25	20.25	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
C-6											
08/27/90	32.40	-11.71	44.11	--	--	7,200	2,100	6.0	41	300	--
11/14/90	32.40	-11.63	44.03	--	--	--	--	--	--	--	--
06/18/91	32.40	-11.09	43.49	--	--	4,400	2,500	18	160	77	--
09/19/91	32.40	-1.92	34.32	--	--	3,100	1,600	8.3	73	8.0	--
12/20/91	32.40	-8.95	41.35	--	--	4,400	1,300	3.2	74	10	--
03/18/92	32.40	-8.29	40.69	--	--	9,800	3,200	34	250	500	--
07/14/92	32.40	-6.49	38.89	--	--	6,500	2,200	100	96	240	--
10/08/92	32.40	-6.27	38.67	--	--	1,800	1,000	3.1	15	41	--
01/08/93	32.40	-5.41	37.81	--	--	5,200	1,600	6.8	63	120	--
04/14/93	32.40	-2.30	34.70	--	--	11,000	1,800	13	110	200	--
07/16/93	32.40	-1.47	33.87	--	--	4,800	820	10	41	57	--
09/21/93	35.40	1.42	33.98	--	--	4,100	1,200	<50	75	130	--
01/28/94	35.40	1.54	33.86	--	--	3,100	930	14	40	34	--
03/17/94	35.40	3.09	32.31	--	--	5,100	950	18	61	83	--
06/16/94	35.40	3.90	31.50	--	--	3,800	970	6.4	52	62	--
09/22/94	35.40	4.18	31.22	--	--	4,100	980	7.8	43	48	--
12/15/94	35.40	4.00	31.40	--	--	5,000	1,400	<20	73	61	--
03/30/95	35.40	9.02	26.38	--	--	5,500	1,700	<13	120	97	--
06/20/95	35.40	10.39	25.01	--	--	1,700	470	<10	29	16	--
09/20/95	35.40	11.35	24.05	--	--	3,500	770	<5.0	45	17	--
12/06/95	35.40	7.28	28.12	--	--	3,100	710	<10	41	20	<50
03/21/96	35.40	12.28	23.12	--	--	1,400	330	<2.5	15	8.1	19

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
C-6 (cont)												
06/21/96	35.40	11.90	23.50	--	--	2,200	560	<5.0	18	<5.0	77	
09/06/96	35.40	10.57	24.83	--	--	2,800	720	<10	13	<10	160	
12/19/96	35.40	10.90	24.50	--	--	830	320	<2.5	<2.5	<2.5	14	
03/17/97	35.40	12.81	22.59	--	--	2,200	500	<10	25	<10	<50	
06/11/97	35.40	11.64	23.76	--	--	3,000	570	<5.0	29	10	220	
09/17/97	35.40	10.66	24.74	--	--	1,400	330	<5.0	<5.0	<5.0	76	
12/11/97	35.40	10.75	24.65	--	--	1,600	230	<5.0	7.3	6.4	46	
03/12/98	35.40	8.28	27.12	--	--	980	300	<5.0	15	12	49	
06/23/98 ³	35.40	7.48	27.92	--	--	220	35	<0.5	2.5	1.1	<2.5	
09/01/98	35.40	3.80	31.60	--	--	1,800	370	2.8	19	5	44	
12/30/98	35.40	3.58	31.82	--	--	1,600	244	<1.0	8.53	<1.0	54.9	
03/31/99	35.40	9.34	26.06	--	--	741	92.2	<1.0	6.60	<1.0	27.9	
06/14/99	35.40	5.72	29.68	--	--	434	110	<1.0	5.76	1.46	13	
06/14/99 ¹	35.40	5.72	29.68	--	--	--	--	--	--	--	6.96 ²	
09/30/99	35.40	12.34	23.06	--	--	481	92.7	<1.0	3.69	<1.0	32.9	
12/22/99	35.40	12.85	22.55	--	--	1,310	158	2.16	5.5	1.41	113	
03/09/00	35.40	15.37	20.03	--	--	470	120	0.74	5.0	2.5	36	
06/23/00 ³	35.40	13.25	22.15	0.00	0.00	1,700 ⁴	210	<5.0	<5.0	5.8	64	
09/05/00 ³	35.40	8.35	27.05	0.00	0.00	740 ⁴	99	0.60	5.1	2.2	80	
12/04/00	35.40	10.25	25.15	0.00	0.00	450 ⁴	31	0.71	<0.50	<0.50	54	
03/08/01 ³	35.40	11.56	23.84	0.00	0.00	1,550	228	3.93	19.9	32.5	46.2	
06/07/01 ³	35.40	9.67	25.73	0.00	0.00	360 ⁴	21	1.8	2.4	3.8	100	
09/13/01 ³	35.40	11.60	23.80	0.00	0.00	950	180	<5.0	5.9	<5.0	170	
12/13/01 ³	35.40	10.21	25.19	0.00	0.00	2,000	170	0.86	6.4	4.1	77	
03/08/02 ³	35.40	14.32	21.08	0.00	0.00	600	33	0.91	1.8	<1.5	90	
06/19/02 ³	35.40	10.78	24.62	0.00	0.00	370	11	<0.50	<0.50	<1.5	88	
09/11/02 ³	35.40	6.40	29.00	0.00	0.00	490	16	0.50	<0.50	<1.5	120	
12/11/02 ³	35.40	11.22	24.18	0.00	0.00	430	17	<0.50	<0.50	<1.5	100	
03/11/03 ³	35.40	7.70	27.70	0.00	0.00	410	8.8	0.88	<0.50	<1.5	120	
06/10/03 ^{3,7}	35.40	13.80	21.60	0.00	0.00	460	10	<0.5	<0.5	<0.5	100	
09/09/03	35.40	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--
12/09/03 ^{7,11,12}	35.40	9.51	25.89	0.00	0.00	1,700	69	<0.5	3	0.6	83	

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Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-7											
08/27/90	32.17	-12.06	44.23	--	--	110	26	0.8	4.0	6.0	--
11/14/90	32.17	-11.94	44.11	--	--	--	--	--	--	--	--
06/18/91	32.17	-9.88	42.05	--	--	23,000	5,700	420	1,000	2,800	--
09/19/91	32.17	-9.55	41.72	--	--	26,000	4,600	330	970	2,400	--
12/20/91	32.17	-9.50	41.67	--	--	33,000	5,500	270	1,000	2,100	--
03/18/92	32.17	-9.03	41.20	--	--	27,000	5,800	410	1,300	3,300	--
07/14/92	32.17	-7.60	39.77	--	--	46,000	12,000	720	1,700	4,600	--
10/08/92	32.17	-6.97	39.14	--	--	22,000	6,800	370	1,300	3,200	--
01/08/93	32.17	-6.33	38.50	--	--	36,000	7,600	540	1,700	4,200	--
04/14/93	32.17	-3.76	35.93	--	--	23,000	3,100	450	670	1,900	--
07/16/93	32.17	-3.21	35.38	--	--	19,000	3,200	330	550	1,800	--
09/21/93	35.19	-0.27	35.46	--	--	17,000	2,700	160	410	760	--
01/28/94	35.19	-0.26	35.45	--	--	14,000	1,800	210	390	1,000	--
03/17/94	35.19	1.95	33.24	--	--	17,000	1,600	210	410	1,200	--
06/16/94	35.19	2.12	33.07	--	--	12,000	1,600	180	410	1,200	--
09/22/94	35.19	2.45	32.74	--	--	10,000	1,700	110	320	580	--
12/15/94	35.19	3.27	31.92	--	--	10,000	1,200	120	280	710	--
03/30/95	35.19	7.59	27.60	--	--	4,600	460	73	160	460	--
06/20/95	35.19	7.32	27.87	--	--	26,000	4,400	450	900	2,400	--
09/20/95	35.19	7.11	28.08	--	--	9,400	610	81	250	800	--
12/06/95	35.19	4.57	30.62	--	--	1,200	110	12	25	71	34
03/21/96	35.19	7.34	27.85	--	--	17,000	1,300	160	410	1,300	<100
09/06/96	35.19	6.84	28.35	--	--	15,000	3,400	<50	460	850	<250
12/19/96	35.19	6.08	29.11	--	--	530	9	0.5	0.85	3.4	<2.5
03/17/97	35.19	8.05	27.14	--	--	4,600	310	46	110	310	98
06/11/97	35.19	7.14	28.05	--	--	420	15	<0.5	3.3	5.1	<2.5
09/17/97	35.19	6.19	29.00	--	--	1,400	120	11	31	84	54
12/11/97	35.19	5.93	29.26	--	--	210	10	<0.5	0.97	1.6	<2.5
03/12/98	35.19	10.27	24.92	--	--	68	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/98	35.19	9.89	25.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/01/98	35.19	8.92	26.27	--	--	570	24	1.4	8.4	22	24
12/30/98	35.19	8.67	26.52	--	--	<50	4.85	1.26	<0.5	1.29	167

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Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-7 (cont)											
03/31/99	35.19	10.43	24.76	--	--	53.1	<0.5	<0.5	<0.5	<0.5	<2.0
06/14/99	35.19	9.75	25.44	--	--	109	4.43	<0.5	<0.5	<0.5	<2.5
06/14/99 ¹	35.19	9.75	25.44	--	--	--	--	--	--	--	<2.0 ²
09/30/99	35.19	8.32	26.87	--	--	2,400	282	26.3	120	236	126
12/22/99	35.19	7.42	27.77	--	--	3,840	162	18.1	44.7	85.3	141
03/09/00	35.19	9.62	25.57	--	--	13,000	2,700	110	700	1,500	<130
06/23/00	35.19	9.53	25.66	0.00	0.00	190 ⁴	3.4	<0.50	<0.50	1.6	7.3
09/05/00	35.19	8.44	26.75	0.00	0.00	4,200 ⁴	330	26	120	200	190
12/04/00	35.19	8.03	27.16	0.00	0.00	2,600 ⁴	550	<5.0	73	62	<25
03/08/01	35.19	9.76	25.43	0.00	0.00	1,180	39.2	2.41	15.5	30.8	10.3
06/07/01	35.19	9.80	25.39	0.00	0.00	2,600 ⁴	440	14	110	130	56
09/13/01	35.19	8.58	26.61	0.00	0.00	23,000 ⁶	670	<100	150	210	<500
12/13/01	35.19	8.50	26.69	0.00	0.00	2,400	160	5.8	42	54	<10
03/08/02	35.19	10.39	24.80	0.00	0.00	3,900	380	21	110	160	<20
06/19/02	35.19	7.78	27.41	0.00	0.00	3,600	440	8.5	87	73	<10
09/11/02	35.19	9.41	25.78	0.00	0.00	11,000	1,800	18	360	380	<10
12/11/02	35.19	4.44	30.75	0.00	0.00	6,000	1,100	9.3	190	190	<10
03/11/03	35.19	8.29	26.90	0.00	0.00	4,900	940	13	150	160	<25
06/10/03 ⁷	35.19	4.28	30.91	0.00	0.00	3,100	500	7	83	77	4
09/09/03 ^{7,11}	35.19	3.38	31.81	0.00	0.00	3,900	310	9	110	130	5
12/09/03 ^{7,11}	35.19	6.74	28.45	0.00	0.00	170	0.8	<0.5	<0.5	<0.5	5
C-8											
11/14/90	30.68	-12.61	43.29	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
06/18/91	30.68	-11.94	42.62	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/19/91	30.68	-11.04	41.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/20/91	30.68	-10.30	40.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/18/92	30.68	-9.34	40.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/14/92	30.68	-8.34	39.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/08/92	30.68	-8.00	38.68	--	--	<50	<0.5	<0.5	<0.5	1.1	--
01/08/93	30.68	-7.39	38.07	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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Chevron Service Station #9-0076
4265 Foothill Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (mst)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-8 (cont)											
04/14/93	30.68	-5.31	35.99	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/16/93	30.68	-4.64	35.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/93	34.68	-0.62	35.30	--	--	<50	<0.5	<0.5	<0.5	<0.8	--
01/28/94	34.68	-0.93	35.61	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	34.68	0.31	34.37	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/16/94	34.68	1.32	33.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/94	34.68	1.86	32.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/15/94	34.68	2.32	32.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/30/95	34.68	5.44	29.24	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/20/95	34.68	6.34	28.34	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/20/95	34.68	5.20	29.48	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	34.68	3.76	30.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/21/96	34.68	6.03	28.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	34.68	6.78	27.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/06/96	34.68	5.98	28.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	34.68	4.98	29.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	34.68	6.92	27.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	34.68	5.87	28.81	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	34.68	5.32	29.36	--	--	SAMPLED ANNUALLY		--	--	--	--
12/11/97	34.68	4.88	29.80	--	--	--	--	--	--	--	--
03/12/98	34.68	8.95	25.73	--	--	<50	<0.5	<0.5	<0.5	<0.5	2.6
06/23/98	34.68	8.38	26.30	--	--	--	--	--	--	--	--
09/01/98	34.68	8.17	26.51	--	--	--	--	--	--	--	--
12/30/98	34.68	7.79	26.89	--	--	--	--	--	--	--	--
03/31/99	34.68	8.32	26.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	11.8
06/14/99	34.68	8.65	26.03	--	--	--	--	--	--	--	--
09/30/99	34.68	7.40	27.28	--	--	--	--	--	--	--	--
12/22/99	34.68	6.48	28.20	--	--	--	--	--	--	--	--
03/09/00	34.68	8.35	26.33	--	--	<50	<0.5	<0.5	<0.5	1.8	<2.5
06/23/00	34.68	8.49	26.19	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
09/05/00	34.68	7.71	26.97	0.00	0.00	--	--	--	--	--	--
12/04/00	34.68	7.26	27.42	0.00	0.00	--	--	--	--	--	--

Table 1
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Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-8 (cont)											
03/08/01	34.68	8.58	26.10	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
06/07/01	34.68	8.89	25.79	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
09/13/01	34.68	7.87	26.81	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
12/13/01	34.68	7.52	27.16	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
03/08/02	34.68	9.38	25.30	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/19/02	34.68	9.75	24.93	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
09/11/02	34.68	8.76	25.92	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
12/11/02	34.68	7.37	27.31	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
03/11/03	34.68	8.89	25.79	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/10/03	34.68	9.40	25.28	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
09/09/03	34.68	8.57	26.11	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
12/09/03	34.68	6.17	28.51	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
C-9											
08/13/96	--	--	28.27	--	--	ND	ND	ND	ND	ND	ND
09/06/96	--	--	28.47	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	30.68	1.39	29.29	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	30.68	3.11	27.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	30.68	2.41	28.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	30.68	2.05	28.63	--	--	SAMPLED ANNUALLY	--	--	--	--	--
12/11/97	30.68	1.25	29.43	--	--	--	--	--	--	--	--
03/12/98	30.68	5.06	25.62	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/98	30.68	4.53	26.15	--	--	--	--	--	--	--	--
09/01/98	30.68	4.30	26.38	--	--	--	--	--	--	--	--
12/30/98	30.68	3.93	26.75	--	--	--	--	--	--	--	--
03/31/99	30.68	5.35	25.33	--	--	<50	<0.5	<0.5	<0.5	<0.5	12.5
06/14/99	30.68	4.16	26.52	--	--	--	--	--	--	--	--
09/30/99	30.68	3.89	26.79	--	--	--	--	--	--	--	--
12/22/99	30.68	2.99	27.69	--	--	--	--	--	--	--	--
03/09/00	30.68	4.64	26.04	--	--	<50	<0.5	<0.5	<0.5	0.75	<2.5
06/23/00	30.68	4.83	25.85	0.00	0.00	--	--	--	--	--	--

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-9 (cont)											
09/05/00	30.68	3.99	26.69	0.00	0.00	--	--	--	--	--	--
12/04/00	30.68	3.61	27.07	0.00	0.00	--	--	--	--	--	--
03/08/01	30.68	4.93	25.75	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
06/07/01	30.68	5.18	25.50	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
09/13/01	30.68	4.13	26.55	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
12/13/01	30.68	3.91	26.77	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
03/08/02	30.68	5.68	25.00	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/19/02	30.68	6.01	24.67	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
09/11/02	30.68	4.98	25.70	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
12/11/02	30.68	3.61	27.07	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
03/11/03	30.68	6.20	24.48	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/10/03	30.68	5.68	25.00	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
09/09/03	30.68	4.88	25.80	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
12/09/03	30.68	2.46	28.22	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
C-10											
09/09/03 ^{7,8,11}	--	--	17.18	0.00	0.00	<50	<0.5	<0.5	<0.5	0.5	14
12/09/03 ^{7,11}	--	--	14.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2
TRIP BLANK											
04/28/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
08/08/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
08/27/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
11/14/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
06/18/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/19/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/20/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/18/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/14/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/08/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TRIP BLANK (cont)											
01/08/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/16/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.8	--
01/28/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/16/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/15/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/30/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/20/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/20/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/21/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/06/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/12/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/01/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/30/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
03/31/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
06/14/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/22/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/04/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TRIP BLANK (cont)											
03/08/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
06/07/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/13/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA											
12/13/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/08/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/19/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/11/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/11/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/11/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/10/03 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/09/03 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/09/03 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

SPHT = Separate Phase Hydrocarbons Thickness

SPH = Separate Phase Hydrocarbons

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

ND = Not Detected

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

¹ Confirmation run.

² Sample were analyzed past hold-time, the results should be considered as estimated.

³ ORC present in well.

⁴ Laboratory report indicates gasoline C6-C12.

⁵ Laboratory report indicates sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

⁶ Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

⁷ BTEX and MTBE by EPA Method 8260.

⁸ Well development performed.

⁹ Ethanol by EPA Method 8260 was reported as <100 ppb.

¹⁰ Ethanol by EPA Method 8260 was reported as <200 ppb.

¹¹ Ethanol by EPA Method 8260 was reported as <50 ppb.

¹² ORC removed from well.

¹³ Ethanol by EPA Method 8260 was reported as <250 ppb.

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (Feet)	DEPTH TO WATER (Feet) (a)	GROUNDWATER ELEVATION (Feet) (b)	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	3/30/95	38.31	6.09	32.22	---	---	---	---	---	---	---	---	---
S-1	6/20/95	38.31	7.30	31.01	---	---	---	---	---	---	---	---	---
S-1	12/6/95	38.31	11.64	26.67	---	---	---	---	---	---	---	---	---
S-1	3/21/96	38.31	6.87	31.44	---	---	---	---	---	---	---	---	---
S-1	6/21/96	38.31	8.65	29.66	---	---	---	---	---	---	---	---	---
S-1	9/6/96	38.31	10.50	27.81	---	---	---	---	---	---	---	---	---
S-1	12/19/96	38.31	8.24	30.07	---	---	---	---	---	---	---	---	---
S-1	3/17/97	38.31	7.26	31.05	---	---	---	---	---	---	---	---	---
S-1	6/11/97	38.31	10.69	27.62	---	---	---	---	---	---	---	---	---
S-1	9/17/97	38.31	10.26	28.05	---	---	---	---	---	---	---	---	---
S-1	12/11/97	38.31	6.96	31.35	---	---	---	---	---	---	---	---	---
S-1	3/12/98	38.31	6.00	32.31	25000	2500	510	250	820	670	5000	ND<125	SEQ
DUP (c)	3/12/98	---	---	---	26000	---	---	250	840	720	5100	ND<125	SEQ
S-1	6/23/98	38.31	6.31	32.00	ND<1000	230	ND<500	280	14	23	15	6100/7800	(d) SEQ
S-1	9/1/99	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	3/31/99	38.31	7.84	30.47	14200	1150	279	1360	260	1070	3580	ND<500/90	(d) SEQ
S-1	3/9/00	38.30	6.21	32.09	1230 (f)	1200	ND<250	21.2 (f)	115 (f)	116 (f)	411 (f)	45.1 (f)	(f) SEQ
S-1	3/8/01	38.30	5.84	32.46	2940	1390	---	49.6	52.9	21.8	749	87.6	SEQ
S-1	3/18/02	38.30	5.08	33.22	7500	<300	---	40	370	560	2000	20	KIFF
S-1	3/11/03	38.30	7.31	30.99	14000	<1600	---	71	470	1000	3300	<50	KIFF
S-1	12/9/03	38.30	7.21	31.09	6000	1000	---	20	170	530	1700	6.1	STL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (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	3/30/95	38.79	7.86	30.93	---	---	---	---	---	---	---	---	---
S-2	6/20/95	38.79	9.51	29.28	---	---	---	---	---	---	---	---	---
S-2	12/6/95	38.79	10.52	28.27	---	---	---	---	---	---	---	---	---
S-2	3/21/96	38.79	8.60	30.19	---	---	---	---	---	---	---	---	---
S-2	6/21/96	38.79	9.95	28.84	---	---	---	---	---	---	---	---	---
S-2	9/6/96	38.79	10.50	28.29	---	---	---	---	---	---	---	---	---
S-2	12/19/96	38.79	9.40	29.39	---	---	---	---	---	---	---	---	---
S-2	3/17/97	38.79	9.82	28.97	---	---	---	---	---	---	---	---	---
S-2	6/11/97	38.79	10.18	28.61	---	---	---	---	---	---	---	---	---
S-2	9/17/97	38.79	9.90	28.89	---	---	---	---	---	---	---	---	---
S-2	12/11/97	38.79	8.27	30.52	---	---	---	---	---	---	---	---	---
S-2	3/12/98	38.79	7.97	30.82	1100	---	---	830	48	ND<10	ND<10	4700/4800	(d) SEQ
S-2	6/23/98	38.79	8.20	30.59	720	---	---	46	6.8	50	68	50/8.8	(d) SEQ
DUP (c)	6/23/98	---	---	---	810	---	---	48	7.1	50	70	49/8.8	(d) SEQ
S-2	9/1/99	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	3/31/99	38.79	8.67	30.12	ND<2000	---	---	234	ND<20	27.4	36.9	49200/53000	(d) SEQ
S-2	3/9/00	38.78	7.88	30.90	2670	630	ND<250	1190	(f) 62.7	84.1	125	29200/31400	(d),(f) SEQ
S-2	3/8/01	38.78	8.57	30.21	ND<2500	ND<51.3	---	318	45.7	53.5	88.5	15500/17500	(d) SEQ
S-2	3/18/02	38.78	9.91	28.87	3700	14000	---	93	<20	35	100	7500	KIFF
S-2	3/11/03	38.78	9.25	29.53	2900	<1800	---	150	5.5	54	84	870	KIFF
S-2	12/9/03	38.78	9.31	29.47	3100	1900	---	84	ND<5.0	45	90	660	STL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF MONITORING	TOP OF BOX ELEVATION (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (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	3/30/95	37.33	7.06	30.27	---	---	---	---	---	---	---	---	---
S-3	6/20/95	37.33	8.15	29.18	---	---	---	---	---	---	---	---	---
S-3	12/6/95	37.33	10.53	26.80	---	---	---	---	---	---	---	---	---
S-3	3/21/96	37.33	7.32	30.01	---	---	---	---	---	---	---	---	---
S-3	6/21/96	37.33	8.85	28.48	---	---	---	---	---	---	---	---	---
S-3	9/6/96	37.33	10.10	27.23	---	---	---	---	---	---	---	---	---
S-3	12/19/96	37.33	8.36	28.97	---	---	---	---	---	---	---	---	---
S-3	3/17/97	37.33	8.57	28.76	---	---	---	---	---	---	---	---	---
S-3	6/11/97	37.33	9.26	28.07	---	---	---	---	---	---	---	---	---
S-3	9/17/97	37.33	9.62	27.71	---	---	---	---	---	---	---	---	---
S-3	12/11/97	37.33	7.34	29.99	---	---	---	---	---	---	---	---	---
S-3	3/12/98	37.33	5.75	31.58	29000	---	---	840	810	1700	6000	ND<250	SEQ
S-3	6/23/98	37.33	5.98	31.35	3800	---	---	90	220	240	1400	ND<50	SEQ
S-3	9/1/99	---	---	---	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	3/31/99	37.33	7.48	29.85	2070	---	---	195	10	ND<5.0	48.6	354/64.6	(d) SEQ
S-3	3/9/00	37.30	6.25	31.05	2290 (f)	1600	ND<250	84.5 (f)	17 (f)	104 (f)	105 (f)	29.3 (f)	(f) SEQ
S-3	3/8/01	37.30	8.17	29.13	19400	1720	---	465	772	1230	3830	160	SEQ
S-3	3/18/02	37.30	7.03	30.27	3800	810	---	61	120	130	620	5.0	KIFF
S-3	3/11/03	37.30	7.03	30.27	8100	<1500	---	29	110	190	1700	<20	KIFF
S-3	12/9/03	37.30	7.67	29.63	27000	1500	---	130	460	550	4900	<20	STL
S-4	3/8/01	39.06	8.44	30.62	20100	5840	---	5210	105	381	281	2520	SEQ
S-4	3/18/02	39.06	8.75	30.31	---	---	---	---	---	---	---	---	---
S-4	3/29/02	39.06	8.85 (g)	30.21	14000	---	---	1700	30	280	250	960	KIFF
S-4	3/11/03	39.06	9.31 (g)	29.75	12000	<5600	---	1900	63	360	280	930	KIFF
S-4	12/9/03	39.06	10.20	28.86	3900	390	---	150	4.2	7.5	13	510	STL
S-5	12/9/03	NM	9.50	NM	12000	600	---	200	80	41	320	580	STL
BW-A	3/9/00	---	3.99	---	---	---	---	---	---	---	---	---	---
BW-A	3/8/01	---	6.38	---	ND<2500	1370	---	46.6	ND<25	ND<25	ND<25	10600/11700	(d) SEQ
EB (e)	3/12/98	---	---	---	ND<50	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	SEQ
EB (e)	6/23/98	---	---	---	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
STL	Severn Trent Laboratories

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 difference between TOC & TOB.
- Site was resurveyed on February 3, 2000 by Virgil Chavez Land Surveying of Vallejo, CA.
- Beginning 1st Qt, 2002, all TPH-g, BTEX, and MTBE are analyzed using EPA method 8260.

WELL GAUGING DATA

Project # 03/209-MD1 Date 12/09/03 Client 98995-746

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 TOG
S-1	4					7.24	24.40	
S-2	4				9.31	22.10		
S-3	4				7.67	20.04		
S-4	4	odor			10.20	19.72		
S-5	4				9.50	21.96		

Blaine Tech Services, Inc.

December 26, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 031209-MD1
Project: 98995746
Site: 4411 Foothill Blvd., Oakland

Dear Mr. Gearhart,

Attached is our report for your samples received on 12/10/2003 17:08
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
01/24/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,



Vincent Vancil
Project Manager

Diesel (C10-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771Project: 031209-MD1
98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	12/09/2003 10:45	Water	1
S-2	12/09/2003 10:30	Water	2
S-3	12/09/2003 11:00	Water	3
S-4	12/09/2003 10:00	Water	4
S-5	12/09/2003 09:30	Water	5

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/23/2003 16:33

Diesel (C10-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s): 3511 Test(s): 8015M
 Sample ID: S-1 Lab ID: 2003-12-0362 - 1
 Sampled: 12/09/2003 10:45 Extracted: 12/15/2003 12:26
 Matrix: Water QC Batch#: 2003/12/15-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1000	50	ug/L	1.00	12/16/2003 09:01	ndp
Surrogate(s) o-Terphenyl	107.2	50-150	%	1.00	12/16/2003 09:01	

Diesel (C10-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1
98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s): 3511 Test(s): 8015M
 Sample ID: S-2 Lab ID: 2003-12-0362 - 2
 Sampled: 12/09/2003 10:30 Extracted: 12/15/2003 12:26
 Matrix: Water QC Batch#: 2003/12/15-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1900	100	ug/L	2.00	12/19/2003 13:04	ndp
Surrogate(s) o-Terphenyl	123.2	50-150	%	2.00	12/19/2003 13:04	

Diesel (C10-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: S-3	Lab ID: 2003-12-0362 - 3
Sampled: 12/09/2003 11:00	Extracted: 12/15/2003 12:26
Matrix: Water	QC Batch#: 2003/12/15-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1500	50	ug/L	1.00	12/17/2003 08:19	ndp
<i>Surrogate(s)</i> o-Terphenyl	106.4	50-150	%	1.00	12/17/2003 08:19	

Diesel (C10-C24)

Blaine Tech Services, Inc.

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Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: S-4	Lab ID: 2003-12-0362 - 4
Sampled: 12/09/2003 10:00	Extracted: 12/15/2003 12:26
Matrix: Water	QC Batch#: 2003/12/15-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	390	50	ug/L	1.00	12/17/2003 08:46	ndp
<i>Surrogate(s)</i> o-Terphenyl	113.6	50-150	%	1.00	12/17/2003 08:46	

Diesel (C10-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s): 3511 Test(s): 8015M
 Sample ID: S-5 Lab ID: 2003-12-0362 - 5
 Sampled: 12/09/2003 09:30 Extracted: 12/15/2003 12:26
 Matrix: Water QC Batch#: 2003/12/15-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	600	50	ug/L	1.00	12/18/2003 10:58	ndp
<i>Surrogate(s)</i> o-Terphenyl	88.0	50-150	%	1.00	12/18/2003 10:58	

Diesel (C10-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1
98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Method Blank

Water

QC Batch # 2003/12/15-04.10

MB: 2003/12/15-04.10-003

Date Extracted: 12/15/2003 12:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/17/2003 06:31	
Surrogates(s) o-Terphenyl	122.4	50-150	%	12/17/2003 06:31	

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12/23/2003 16:33

Diesel (C10-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1
98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2003/12/15-04.10

LCS 2003/12/15-04.10-001

Extracted: 12/15/2003

Analyzed: 12/16/2003 13:19

LCSD 2003/12/15-04.10-002

Extracted: 12/15/2003

Analyzed: 12/16/2003 13:46

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	794	766	680	116.8	112.6	3.7	60-150	25		
<i>Surrogates(s)</i> o-Terphenyl	1.44	1.48	1.25	115.2	118.4		50-150	0		

Severn Trent Laboratories, Inc.

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12/23/2003 16:33

Page 8 of 9

Diesel (C10-C24)

Blaine Tech Services, Inc.

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	12/09/2003 10:45	Water	1
S-2	12/09/2003 10:30	Water	2
S-3	12/09/2003 11:00	Water	3
S-4	12/09/2003 10:00	Water	4
S-5	12/09/2003 09:30	Water	5

Severn Trent Laboratories, Inc.

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12/23/2003 20:36

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

 1680 Rogers Avenue
 San Jose, CA 95112-1105
 Phone: (408) 573-0555 Fax: (408) 573-7771

 Project: 031209-MD1
 98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-1	Lab ID:	2003-12-0362 - 1
Sampled:	12/09/2003 10:45	Extracted:	12/19/2003 10:53
Matrix:	Water	QC Batch#:	2003/12/19-1C.64
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	6000	250	ug/L	5.00	12/19/2003 10:53	
Benzene	20	2.5	ug/L	5.00	12/19/2003 10:53	
Toluene	170	2.5	ug/L	5.00	12/19/2003 10:53	
Ethylbenzene	530	2.5	ug/L	5.00	12/19/2003 10:53	
Total xylenes	1700	5.0	ug/L	5.00	12/19/2003 10:53	
Methyl tert-butyl ether (MTBE)	6.1	2.5	ug/L	5.00	12/19/2003 10:53	
Surrogate(s)						
1,2-Dichloroethane-d4	105.5	76-130	%	5.00	12/19/2003 10:53	
Toluene-d8	98.3	78-115	%	5.00	12/19/2003 10:53	

Severn Trent Laboratories, Inc.

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12/23/2003 20:36

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s): 5030B Test(s): 8260B
 Sample ID: S-2 Lab ID: 2003-12-0362 - 2
 Sampled: 12/09/2003 10:30 Extracted: 12/19/2003 13:50
 Matrix: Water QC Batch#: 2003/12/19-1C.64
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3100	500	ug/L	10.00	12/19/2003 13:50	
Benzene	84	5.0	ug/L	10.00	12/19/2003 13:50	
Toluene	ND	5.0	ug/L	10.00	12/19/2003 13:50	
Ethylbenzene	45	5.0	ug/L	10.00	12/19/2003 13:50	
Total xylenes	90	10	ug/L	10.00	12/19/2003 13:50	
Methyl tert-butyl ether (MTBE)	660	5.0	ug/L	10.00	12/19/2003 13:50	
Surrogate(s)						
1,2-Dichloroethane-d4	117.4	76-130	%	10.00	12/19/2003 13:50	
Toluene-d8	93.9	78-115	%	10.00	12/19/2003 13:50	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1
98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s): 5030B Test(s): 8260B
Sample ID: S-3 Lab ID: 2003-12-0362 - 3
Sampled: 12/09/2003 11:00 Extracted: 12/19/2003 14:12
Matrix: Water QC Batch#: 2003/12/19-1C.64
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	27000	2000	ug/L	40.00	12/19/2003 14:12	
Benzene	130	20	ug/L	40.00	12/19/2003 14:12	
Toluene	460	20	ug/L	40.00	12/19/2003 14:12	
Ethylbenzene	550	20	ug/L	40.00	12/19/2003 14:12	
Total xylenes	4900	40	ug/L	40.00	12/19/2003 14:12	
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	40.00	12/19/2003 14:12	
Surrogate(s)						
1,2-Dichloroethane-d4	122.9	76-130	%	40.00	12/19/2003 14:12	
Toluene-d8	96.5	78-115	%	40.00	12/19/2003 14:12	

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12/23/2003 20:36

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-4	Lab ID:	2003-12-0362 - 4
Sampled:	12/09/2003 10:00	Extracted:	12/19/2003 15:41
Matrix:	Water	QC Batch#:	2003/12/19-1C.64

Analysis Flag: is,o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3900	250	ug/L	5.00	12/19/2003 15:41	
Benzene	150	2.5	ug/L	5.00	12/19/2003 15:41	
Toluene	4.2	2.5	ug/L	5.00	12/19/2003 15:41	
Ethylbenzene	7.5	2.5	ug/L	5.00	12/19/2003 15:41	
Total xylenes	13	5.0	ug/L	5.00	12/19/2003 15:41	
Methyl tert-butyl ether (MTBE)	510	2.5	ug/L	5.00	12/19/2003 15:41	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	147.3	76-130	%	5.00	12/19/2003 15:41	sh
Toluene-d8	97.6	78-115	%	5.00	12/19/2003 15:41	

Severn Trent Laboratories, Inc.

12/23/2003 20:36

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Page 5 of 9

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/12/19-1C.64-025

Water

Test(s): 8260B

QC Batch # 2003/12/19-1C.64

Date Extracted: 12/19/2003 10:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/19/2003 10:25	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/19/2003 10:25	
Benzene	ND	0.5	ug/L	12/19/2003 10:25	
Toluene	ND	0.5	ug/L	12/19/2003 10:25	
Ethylbenzene	ND	0.5	ug/L	12/19/2003 10:25	
Total xylenes	ND	1.0	ug/L	12/19/2003 10:25	
Surrogates(s)					
1,2-Dichloroethane-d4	90.6	76-130	%	12/19/2003 10:25	
Toluene-d8	95.6	78-115	%	12/19/2003 10:25	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

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12/23/2003 20:36

Page 7 of 9

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1
98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2003/12/19-1C.64

LCS 2003/12/19-1C.64-003

Extracted: 12/19/2003

Analyzed: 12/19/2003 10:03

LCSD 2003/12/19-1C.64-041

Extracted: 12/19/2003

Analyzed: 12/19/2003 09:41

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.0	23.6	25	88.0	94.4	7.0	65-165	20		
Benzene	23.0	22.8	25	92.0	91.2	0.9	69-129	20		
Toluene	23.3	24.2	25	93.2	96.8	3.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	432	461	500	86.4	92.2		76-130			
Toluene-d8	470	493	500	94.0	98.6		78-115			

Severn Trent Laboratories, Inc.

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12/23/2003 20:36

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 031209-MD1

98995746

Received: 12/10/2003 17:08

Site: 4411 Foothill Blvd., Oakland

Legend and Notes

Analysis Flag

is

Internal standard out of range due to matrix interference.

o

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

sh

Surrogate recovery was higher than QC limit due to matrix interference.

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/23/2003 20:36

LAB: SAC

SHELL Chain Of Custody Record

81039

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CRMT HOLLISTON

Karen Petryna

2003-12-0362

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 4 6

SAP or CRMT NUMBER (TS/CRMT)

DATE: 12/09/03

PAGE: 1 of 1

ANALYZING COMPANY: Blaine Tech Services ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112 PROJECT CONTACT (PERSON) or PDF Report to: Leon Gearhart TELEPHONE: 408-573-0555 FAX: 408-573-7771 E-MAIL: lgearhart@blainetech.com		LOG EDGE: BTSS	SITE ADDRESS (Street and City): 4411 Foothill Boulevard, Oakland EDP DELIVERABLE TO (Responsible Party or Designee): Anni Kreml SAAMPLER NAME(S) (PHN): <i>Johnathan De Jong</i>	ORIGINAL ID#: T0600101065 PHONE NO.: 510-420-3335 E-MAIL: ShellOaklandEDF@cambrla-env.com	CONSULTANT PROJECT NO.: 031209-M01 BT6 #
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TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT NST AGENCY: _____
 GCMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST PER BORING _____ ALL _____
 SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (A) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)	Nitrate	Sulfate	Ferrous Iron	MTBE (8260B) Confirmation, See Note
		DATE	TIME																
	S-1	12/9/03	1045	G	6	✓	✓	✓							✓				
	S-2		1030	G	6	✓	✓	✓							✓				
	S-3		1100	G	6	✓	✓	✓							✓				
	S-4		1000	G	6	✓	✓	✓							✓				
	S-5		930	G	6	✓	✓	✓							✓				

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

2-5

TEMPERATURE (ON RECEIPT) C°

Requested by (Signature): <i>Johnathan De Jong</i>	Received by (Signature): <i>[Signature]</i>	Date: 12/10/03	Time: 1450
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 12-10-03	Time: 1708