



March 23, 2004

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

Alameda County
MAR 29 2004
Environmental Health

**Re: First Semi-Annual 2004 Groundwater Monitoring Report
ARCO Service Station #0771
899 Rincon Avenue
Livermore, California
URS Project #38486709**

Dear Mr. Seery:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *First Semi-Annual 2004 Groundwater Monitoring Report* for ARCO Service Station #0771, located at 899 Rincon Avenue, Livermore, California.

If you have any questions regarding this submission, please call (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

James F. Durkin, C.Hg.
Senior Geologist



Enclosure: First Semi-Annual 2004 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)
Paul M. Smith, Livermore-Pleasanton Fire Department, 3560 Nevada St., Pleasanton, CA 94566
John Kaiser, RWQCB, 1515 Clay St. Suite 1400, Oakland, CA 94612



Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 6549
Moraga, California 94570
Phone: (925) 299-8891
Fax: (925) 299-8872



Alameda County
MAR 29 2004
Environmental Health

March 23, 2004

RE: First Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #0771
899 Rincon Avenue
Livermore, California
URS Project #38486709

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

R E P O R T

**FIRST SEMI-ANNUAL 2004
GROUNDWATER MONITORING**

**ARCO SERVICE STATION #0771
899 RINCON AVENUE
LIVERMORE, CALIFORNIA**

Prepared for
Atlantic Richfield Company

March 23, 2004

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486709

Date: March 23, 2004
Quarter: 1Q 04

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 0771 Address: 899 Rincon Avenue, Livermore, California
ARCO Environmental Business Manager: Paul Supple
Consulting Co./Contact Person: URS Corporation / Scott Robinson
Consultant Project No.: 38486709
Primary Agency: Alameda County Health Care Service Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (First – 2004):

1. Performed first quarter 2004 groundwater monitoring event on February 19, 2004.
2. Prepared and submitted first semi-annual 2004 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Second– 2004):

1. No environmental work is scheduled for second quarter 2004.
2. Prepare and submit second quarter 2004 status report.

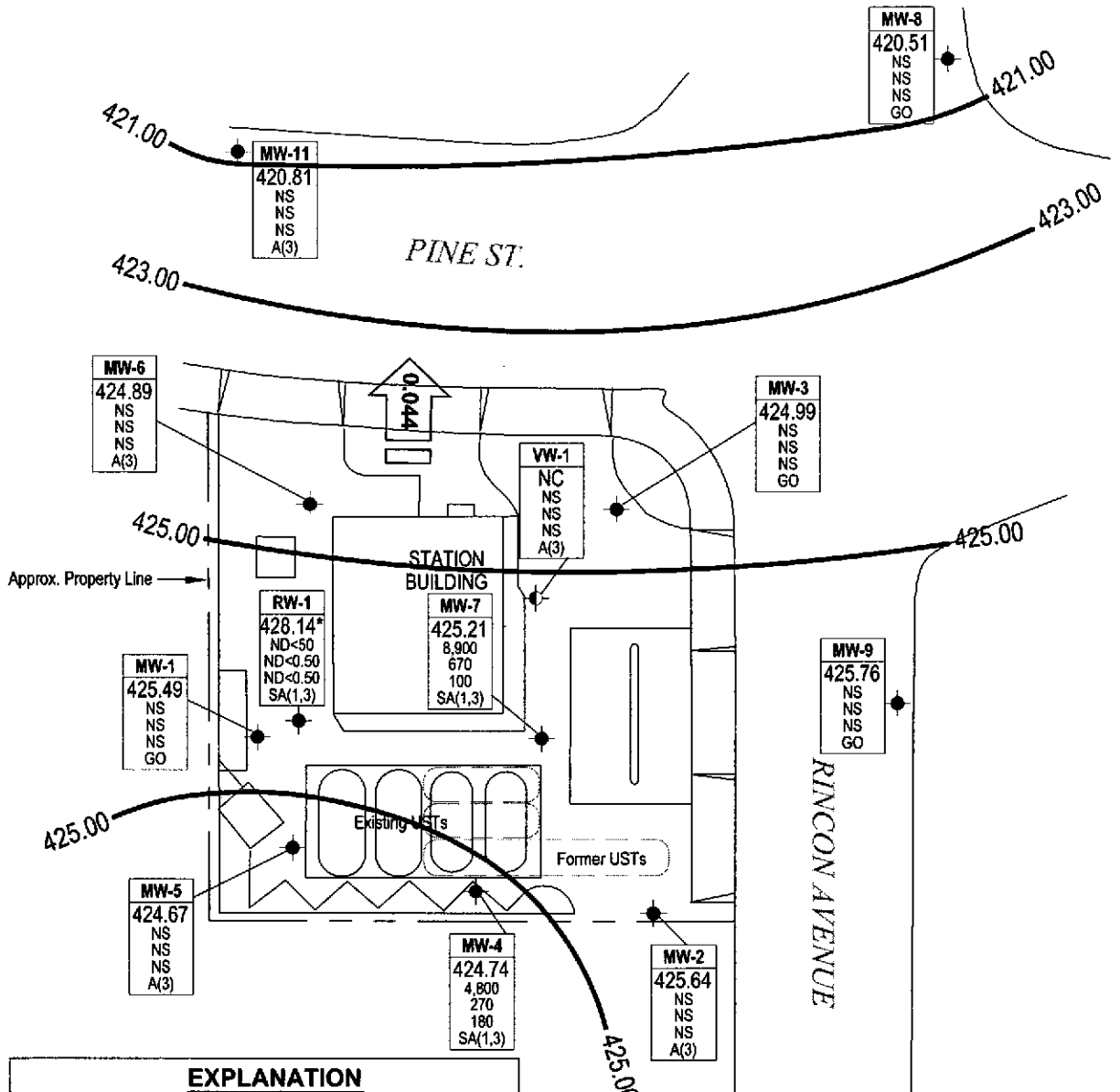
Current Phase of Project: GW monitoring/sampling
Frequency of Groundwater Sampling: Annual (3rd Qtr): MW-2, MW-5, MW-6, MW-11, VW-1
Semi-Annual (1st/3rd Qtr): MW-4, MW-7, RW-1
Frequency of Groundwater Monitoring: Semi-annual
Is Free Product (FP) Present On-Site: No
Cumulative FP Recovered to Date : 3.06 gallons, Wells MW-1, MW-2, and MW-5
FP Recovered This Quarter : None (FP was last recovered in 1992)
Bulk Soil Removed to Date : 1,700 cubic yards of TPH-impacted soil
Current Remediation Techniques: Natural Attenuation
Approximate Depth to Groundwater: 21.04 (VW-1) to 28.92 (MW-8) feet
Groundwater Gradient (direction): North
Groundwater Gradient (magnitude): 0.044 feet per foot

DISCUSSION:

Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported. GRO were detected above laboratory reporting limits in two of the three wells sampled this quarter at concentrations of 4800 µg/L (MW-4) to 8,900 µg/L (MW-7). Benzene was detected above laboratory reporting limits in two wells at concentrations of 270 µg/L (MW-4) and 670 (MW-7) µg/L. Methyl tert-butyl ether (MTBE) was detected above laboratory reporting limits in two wells at concentrations of 180 µg/L (MW-4) and 100 µg/L (MW-7). TBA was detected above laboratory reporting limits in two wells at concentrations of 630 µg/L (MW-4) and 420 µg/L (MW-7).

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – February 19, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Attachment A - Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC and EDF/Geowell Submittal Confirmation



EXPLANATION	
	Monitoring well location
	Vapor extraction well location
Well	Well designation
ELEV	Groundwater elevation (ft above MSL)
GRO	GRO, Benzene & MTBE concentrations (µg/L)
Q or A	Sampling frequency
*	Not used in contouring
NC	Not calculated
ND<	Not detected at or above laboratory reporting limits
NS	Not sampled
A(3)	Sampled annually during 3rd quarter
GO	Not sampled, gauged only
SA(1,3)	Sampled semi-annually, 1st & 3rd quarters
	423.00 Groundwater Elevation Contour (ft above MSL)
	Approximate Groundwater Flow Direction and Gradient (ft/ft)

Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Mar 17, 2004 - 5:45pm X:\x_enn\waste\BP_GEM\Sites\Scott_Robinson\Paul_Supple\0771\Monitoring\Qtr_1_2004\Drawings\GWEC-AS_2-18.dwg



Project No. 38486709
ARCO Service Station #0771
899 Rincon Avenue
Livermore, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP
First Quarter 20043 (February 18, 2004)

FIGURE
1

Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴	
MW-1	03/20/95	--	451.73	NA	NA	36.71	24.50	427.23	90,000	1,800	1,100	1,000	5,600	--	--	--
	06/02/95	--					25.60	426.13	81,000	2,000	1,400	990	4,600	--	--	--
	08/23/95	--					29.04	422.69	44,000	2,400	1,900	670	3,800	ND<300	--	--
	12/04/95	--					31.31	420.42	22,000	870	660	390	2,200	--	--	--
	02/20/96	--					22.26	429.47	21,000	1,500	1,200	650	3,500	ND<300	--	--
	05/15/96	--					23.42	428.31	36,000	3,000	2,500	960	5,700	ND<250	--	--
	08/13/96	--					26.83	424.90	19,000	730	580	450	2,500	ND<200	--	--
	11/13/96	--					31.05	420.68	6,600	47	16	74	160	ND<30	--	--
	03/26/97	--					26.29	425.44	1,900	100	55	37	200	ND<30	--	--
	05/15/97	--					28.65	423.08	16,000	490	250	250	1,100	ND<120	--	--
	08/26/97	--					31.53	420.20	190	7	3	6	25	ND<3	--	--
	11/05/97	--					33.93	417.80	63	1	ND<0.5	1	29	--	--	
	02/18/98	--					20.46	431.27	23,000	1,500	610	550	3,000	ND<120	--	--
	05/20/98	--					23.84	427.89	50,000	4,400	1,900	1,400	80,000	ND<300	--	--
	07/30/98	P					26.94	424.79	150	ND<0.5	ND<0.5	ND<0.5	2	ND<3	8.7	--
	10/29/98	NP					32.58	419.15	ND<50	ND<0.5	ND<0.5	ND<0.5	2	ND<3	2.0	--
	03/16/99	P					26.20	425.53	3,200	160	32	89	390	270	2.0	--
	05/05/99	P					27.57	424.16	3,600	140	46	76	290	170	11.65	--
	08/26/99	P					30.25	421.48	3,200	210	29	100	220	120	1.43	--
	12/03/99	NP					32.70	419.03	53	ND<0.5	ND<0.5	ND<0.5	1	ND<3	2.12	--
03/13/00	P					24.45	427.28	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	5.81	--	
DUP	06/20/00	--	--	--	--	--	--	--	67.4	3.88	ND<0.500	1.78	1.48	ND<2.50	--	--
	06/20/00	P				27.79	423.94	356	40.1	7.17	11.9	22.7	ND<2.50	5.10	--	
	08/31/00					30.35	421.38		Not sampled: well no longer part of sampling schedule							
	02/09/01					30.95	420.78		Not sampled: well no longer part of sampling schedule							
	09/17/01					30.85	420.88		Not sampled: well no longer part of sampling schedule							
	01/21/02					30.61	421.12		Not sampled: well no longer part of sampling schedule							
	07/19/02					31.55	420.18		Not sampled: well no longer part of sampling schedule							
	1/15/03 ²					22.99	428.74		Not sampled: well no longer part of sampling schedule							
	07/09/03					30.35	421.38		Not sampled: well no longer part of sampling schedule							
	02/19/04					26.24	425.49		Not sampled: well no longer part of sampling schedule							

Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴		
MW-2	03/20/95	--	449.49	NA	NA	34.11	20.27	429.22	54,000	2,600	1,600	1,200	7,600	--	--	--	
	06/02/95	--					22.32	427.17	37,000	2,200	800	980	4,800	--	--	--	
	08/23/95	--					25.69	423.80	65,000	1,100	310	840	3,000	ND<500	--	--	
	12/04/95	--					28.52	420.97	19,000	680	150	410	1,600	--	--	--	
	02/20/96	--					19.00	430.49	22,000	1,200	240	590	2,200	ND<300	--	--	
	05/15/96	--					20.03	429.46	25,000	1,200	240	610	2,100	ND<300	--	--	
	08/13/96	--					24.44	425.05	19,000	640	110	420	1,200	ND<300	--	--	
	11/13/96	--					28.42	421.07	15,000	260	52	220	640	ND<200	--	--	
	03/26/97	--					22.98	426.51	17,000	580	120	360	980	ND<120	--	--	
	05/15/97	--					25.40	424.09	18,000	420	63	340	730	ND<120	--	--	
	08/26/97	--					28.38	421.11	5,300	210	26	140	270	ND<120	--	--	
	11/05/97	--					31.93	417.56	560	42	3	7	9	ND<40	--	--	
	02/18/98	--					16.87	432.62	18,000	710	120	480	1,100	130	--	--	
	05/20/98	--					20.29	429.20	16,000	480	72	440	1,100	ND<120	--	--	
	07/30/98	P					23.51	425.98	9,700	240	33	210	490	ND<120	9.2	--	
	10/29/98	NP					30.08	419.41	58	ND<0.5	ND<0.5	ND<0.5	1	ND<3	1.0	--	
	03/16/99	P					23.22	426.27	4,700	120	13	90	220	60	2.0	--	
	05/05/99	P					24.05	425.44	5,500	58	7.1	58	98	17	9.09	--	
	08/26/99	P					26.44	423.05	3,700	55	11	60	64	26	1.90	--	
	12/03/99	NP					30.15	419.34	130	ND<0.5	ND<0.5	0.7	1.8	ND<3	1.96	--	
	03/13/00	P					20.68	428.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	--	
	06/20/00	P					23.08	426.41	226	2.20	ND<0.500	4.83	7.88	ND<2.50	4.90	--	
	08/31/00	P					26.71	422.78	87.1	1.78	ND<0.500	1.33	1.15	ND<2.50	1.59	--	
	02/09/01						29.65	419.84	Not sampled: well sampled annually, during the third quarter								
	09/17/01	P					27.62	421.87	3,100	300	12	8.8	18	120	1.70	--	
	01/21/02						27.09	422.40	Not sampled: well sampled annually, during the third quarter								
	07/19/02	P					27.82	421.67	4,700 ¹	280	13	120	19	16	0.8	7.4	
	1/15/03 ²						22.18	427.31	Not sampled: well sampled annually, during the third quarter								
	07/09/03	P					26.40	423.09	3,900	170	ND<5.0	100	19	39	2.5	7.0	
	02/19/04						23.85	425.64	Not sampled: well sampled annually, during the third quarter								

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴
MW-3	03/20/95	--	450.28	NA	NA	39.64	22.19	428.09	94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--
	06/02/95	--					23.28	427.00	72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--
	08/23/95	--					26.55	423.73	98	ND<0.5	ND<0.5	ND<0.6	1	ND<3	--
	12/04/95	--					29.52	420.76	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--
	02/20/96	--					19.83	430.45	130	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	05/15/96	--					21.03	429.25	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--
	08/13/96	--					25.67	424.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	11/13/96	--					21.57	428.71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	03/26/97	--					24.15	426.13	ND<50	1	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	05/15/97	--					26.85	423.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	08/26/97	--					30.07	420.21	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	11/05/97	--					32.46	417.82	ND<50	ND<0.5	1	ND<0.5	ND<0.5	ND<3	--
	02/18/98	--					17.82	432.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	05/20/98	--					21.41	428.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	07/30/98	P					26.41	423.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	9.6
	10/29/98	P					31.33	418.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	1.0
	03/16/99	P					24.61	425.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	1.0
	05/05/99	P					25.75	424.53	140	ND<0.5	ND<0.5	0.6	ND<0.5	ND<3	4.43
	08/26/99	P					28.49	421.79	80	0.6	0.6	0.6	1	ND<3	1.69
	12/03/99	P					31.45	418.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	2.26
	03/13/00	P					22.18	428.10	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	4.41
	06/20/00	P					26.03	424.25	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	2.30
	08/31/00						28.75	421.53	Not sampled: well no longer part of sampling schedule						
	02/09/01						31.04	419.24	Not sampled: well no longer part of sampling schedule						
	09/17/01						29.04	421.24	Not sampled: well no longer part of sampling schedule						
	01/21/02						28.81	421.47	Not sampled: well no longer part of sampling schedule						
	07/19/02						28.92	421.36	Not sampled: well no longer part of sampling schedule						
	1/15/03 ²						22.88	427.40	Not sampled: well no longer part of sampling schedule						
	07/09/03						28.00	422.28	Not sampled: well no longer part of sampling schedule						
	02/19/04						25.29	424.99	Not sampled: well no longer part of sampling schedule						

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴	
MW-4	03/20/95	--	451.09	NA	NA	41.18	22.68	428.41	12,000	1,000	100	450	700	--	--	--
	06/02/95	--					24.41	426.68	9,000	850	56	380	430	--	--	--
	08/23/95	--					27.72	423.37	5,300	400	25	240	170	ND<100	--	--
	12/04/95	--					29.85	421.24	6,700	100	ND<10	90	38	--	--	--
	02/20/96	--					21.16	429.93	7,000	360	22	180	160	ND<70	--	--
	05/15/96						22.18	428.91	Not sampled: well sampled annually, during the first quarter							
	08/13/96						26.20	424.89	Not sampled: well sampled annually, during the first quarter							
	11/13/96						29.72	421.37	Not sampled: well sampled annually, during the first quarter							
	03/26/97	--					21.86	429.23	8,900	390	33	200	250	ND<70	--	--
	05/15/97						26.92	424.17	Not sampled: well sampled annually, during the first quarter							
	08/26/97						29.30	421.79	Not sampled: well sampled annually, during the first quarter							
	11/05/97						32.14	418.95	Not sampled: well sampled annually, during the first quarter							
	02/18/98	--					19.30	431.79	5,300	220	19	160	130	120	--	--
	05/20/98						22.40	428.69	Not sampled: well sampled annually, during the first quarter							
	07/30/98						25.74	425.35	Not sampled: well sampled annually, during the first quarter							
	10/29/98						31.26	419.83	Not sampled: well sampled annually, during the first quarter							
	03/16/99	P					25.05	426.04	1,900	49	ND<5	43	ND<5	82	1.5	--
	05/05/99						26.15	424.94	Not sampled: well sampled annually, during the first quarter							
	08/26/99						28.60	422.49	Not sampled: well sampled annually, during the first quarter							
	12/03/99						31.53	419.56	Not sampled: well sampled annually, during the first quarter							
	03/13/00	P					23.61	427.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	3.82	--
	06/20/00						26.38	424.71	Not sampled: well sampled annually, during the first quarter							
	08/31/00	NP					29.55	421.54	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	1.04	--
	02/09/01	NP					30.30	420.79	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	1.39	--
	09/17/01	NP					29.90	421.19	3,400	51	ND<5.0	16	23	360	0.92	--
	01/21/02	NP					29.51	421.58	1,900	140	12	27	48	300	1.03	--
	07/19/02	NP					30.77	420.32	2,700 ¹	150	9.9	ND<5.0	ND<5.0	130	1.0	7.3
	1/15/03 ²						23.56	427.53	4,800 ¹	150	5.3	28	46	150	1.3	7.0
	07/09/03	NP					29.50	421.59	3,000	210	9.4	6.0	20	150	2.0	6.9
	02/19/04	P					26.35	424.74	4,800 ³	270	11	25	19	180	1.8	6.2

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴		
MW-5	03/20/95	--	451.40	NA	NA	40.20	23.20	428.20	26,000	1,300	180	890	2,900	--	--	--	
	06/02/95	--					24.80	426.60	39,000	940	160	740	1,900	--	--	--	
	08/23/95	--					28.10	423.30	14,000	490	74	250	890	ND<300	--	--	
	12/04/95	--					29.83	421.57	7,600	230	13	61	80	--	--	--	
	02/20/96	--					21.63	429.77	4,300	220	12	45	130	ND<50	--	--	
	05/15/96	--					22.87	428.53	2,200	380	17	58	84	ND<40	--	--	
	08/13/96	--					26.48	424.92	1,700	150	16	24	35	47	--	--	
	11/13/96	--					29.68	421.72	850	150	11	19	37	66	--	--	
	03/26/97	--					25.14	426.26	2,400	440	21	79	210	68	--	--	
	05/15/97	--					27.38	424.02	3,900	510	19	140	240	48	--	--	
	08/26/97	--					29.89	421.51	76	5	ND<0.5	2	2	9	--	--	
	11/05/97	--					32.57	418.83	63	1	ND<0.5	ND<0.5	1	34	--	--	
	02/18/98	--					19.99	431.41	6,200	630	70	320	640	320	--	--	
	05/20/98	--					23.21	428.19	2,300	340	21	110	140	62	--	--	
	07/30/98	P					26.19	425.21	ND<50	1	ND<0.5	1	1	ND<3	8.8	--	
	10/29/98	NP					31.92	419.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	2.0	--	
	03/16/99	P					25.80	425.60	1,300	170	8	59	65	120	2.0	--	
	05/05/99	P					27.09	424.31	320	31	1.1	13	13	19	12.09	--	
	08/26/99	P					29.67	421.73	260	13	1.7	4.2	6.3	150	1.31	--	
	12/03/99						Not surveyed: well inaccessible										
	03/13/00	P					24.51	426.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	4.41	--	
	06/20/00	P					27.37	424.03	60.8	4.84	ND<0.500	1.90	1.59	ND<2.50	5.30	--	
	08/31/00	P					30.21	421.19	ND<50.0	1.18	ND<0.500	ND<0.500	ND<0.500	3.83	0.97	--	
	02/09/01						30.19	421.21	Well sampled annually during the third quarter								
	09/17/01	P					30.71	420.69	2,700	120	10	90	77	330	0.81	--	
	01/21/02						30.40	421.00	Well sampled annually during the third quarter								
	07/19/02	P					31.93	419.47	1,600 ¹	170	7.0	120	ND<5.0	180	1.7	7	
	1/15/03 ²						23.12	428.28	Well sampled annually during the third quarter								
	07/09/03	P					30.95	420.45	2,000	160	5.7	67	27	260	1.5	6.9	
	02/19/04						26.73	424.67	Well sampled annually during the third quarter								

Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴
MW-6	03/20/95	--	451.37	NA	NA	26.48	25.19	2,600	210	87	82	140	--	--	--
	06/02/95	--					25.75	1,600	55	8	40	26	--	--	--
	08/23/95	--					29.53	1,400	42	3	36	13	ND<20	--	--
	12/04/95	--					32.28	2,500	52	6	59	13	--	--	--
	02/20/96	--					22.27	2,500	120	16	73	12	ND<30	--	--
	05/15/96	--					23.86	2,000	71	6	47	25	ND<15	--	--
	08/13/96	--					28.55	3,800	91	8	69	25	ND<20	--	--
	11/13/96	--					32.04	1,900	55	3	55	9	16	--	--
	03/26/97	--					26.84	1,800	51	5	32	15	ND<30	--	--
	05/15/97	--					29.58	2,400	46	3	29	9	ND<12	--	--
	08/26/97	--					32.67	1,400	61	6	33	10	ND<12	--	--
	11/05/97	--					34.62	690	29	3	18	3	9	--	--
	02/18/98	--					20.09	1,800	74	5	24	12	19	--	--
	05/20/98	--					24.05	1,900	280	4	31	16	9	--	--
	07/30/98	P					28.72	2,300	110	7	36	20	ND<15	--	--
	10/29/98	P					32.77	2,500	14	13	17	12	ND<12	1.0	--
	03/16/99	P					26.45	1,200	65	4	27	13	18	0.5	--
	05/05/99	P					27.86	2,200	53	4	26	6	25	5.59	--
	08/26/99	P					30.49	1,100	11	6	10	4	13	2.35	--
	12/03/99	P					32.35	370	ND<0.5	ND<0.5	0.8	ND<1	4	2.36	--
	03/13/00	P					28.36	423.01	54	2.1	0.9	1.4	ND<3	4.22	--
	06/20/00	P					28.35	423.02	195	1.83	ND<0.500	0.528	ND<0.500	ND<2.50	3.50
	08/31/00	P					30.20	421.17	276	3.52	0.788	1.15	0.621	8.73	7.00
	02/09/01	P					30.70	420.67	253	5.44	2.93	0.924	0.977	48.9	0.59
DUP	02/09/01	--	--				--	--	222	4.49	2.73	0.579	0.523	57.1	--
	09/17/01	P					30.94	420.43	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	2.79
DUP	09/17/01	--	--				--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--
	01/21/02	P					30.55	420.82	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.90
	07/19/02	P					30.27	421.10	60 ¹	2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.5
	1/15/03 ²						22.86	428.51	83 ¹	9.1	ND<0.50	3.4	4.6	1.0	2.5
	07/09/03	P					29.41	421.96	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.98	2.6
	02/19/04						26.48	424.89	Not sampled: well sampled annually, during the third quarter						

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴	
MW-7	03/20/95	--	450.33	NA	NA	39.68	22.07	428.26	31,000	2,300	400	620	2,900	--	--	--
	06/02/95	--					23.42	426.91	40,000	1,400	280	610	2,400	--	--	--
	08/23/95	--					27.13	423.20	25,000	1,400	200	600	1,600	350	--	--
	12/04/95	--					29.45	420.88	23,000	1,100	74	490	720	--	--	--
	02/20/96	--					20.25	430.08	39,000	1,200	140	640	1,800	ND<400	--	--
	05/15/96						21.38	428.95	Not sampled: well sampled annually, during the first quarter							
	08/13/96						25.52	424.81	Not sampled: well sampled annually, during the first quarter							
	11/13/96						29.38	420.95	Not sampled: well sampled annually, during the first quarter							
	03/26/97	--					24.36	425.97	35,000	1,100	180	460	1,700	ND<300	--	--
	05/15/97						26.90	423.43	Not sampled: well sampled annually, during the first quarter							
	08/26/97						30.21	420.12	Not sampled: well sampled annually, during the first quarter							
	11/05/97						32.49	417.84	Not sampled: well sampled annually, during the first quarter							
	02/18/98	--					18.10	432.23	19,000	1,100	120	460	1,700	240	--	--
	05/20/98						21.68	428.65	Not sampled: well sampled annually, during the first quarter							
	07/30/98						26.07	424.26	Not sampled: well sampled annually, during the first quarter							
	10/29/98						31.13	419.20	Not sampled: well sampled annually, during the first quarter							
	03/16/99	P					24.45	425.88	8,600	430	51	200	680	ND<120	1.5	--
	05/05/99						25.84	424.49	Not sampled: well sampled annually, during the first quarter							
	08/26/99						28.28	422.05	Not sampled: well sampled annually, during the first quarter							
	12/03/99						31.57	418.76	Not sampled: well sampled annually, during the first quarter							
	03/13/00						Not surveyed: well inaccessible									
	06/20/00						25.91	424.42	Not sampled: well sampled annually, during the first quarter							
	08/31/00						28.40	421.93	8,410	344	58.9	276	581	202	0.09	--
02/09/01						30.04	420.29	2,030	203	12.0	17.9	49.4	128	1.55	--	
09/17/01	P					29.03	421.30	4,800	200	14	9.9	27	160	0.29	--	
01/21/02	P					28.98	421.35	4,200	350	20	52	63	99	0.81	--	
DUP	01/21/02	--				--	--	2,600	280	17	41	50	97			
	07/19/02	P				28.70	421.63	5,700 ¹	630	31	330	160	64	0.7	7.3	
	1/15/03 ²					21.91	428.42	12,000 ¹	470	19	340	310	91	1.5	7.0	
	07/09/03	P				27.88	422.45	6,700	590	23	280	92	110	1.0	6.9	
	02/19/04	P				25.12	425.21	8,900⁵	670	24	470	120	100	0.8	6.6	

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴	
MW-8	03/20/95	--	449.43	27.50	42.50	24.75	424.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	
	06/02/95					24.95	424.48	Not sampled: well sampled semi-annually, during the first and third quarters								
	08/23/95	--				30.94	418.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	
	12/04/95					31.99	417.44	Not sampled: well sampled semi-annually, during the first and third quarters								
	02/20/96	--				21.13	428.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	
	05/15/96					21.96	427.47	Not sampled: well sampled semi-annually, during the first and third quarters								
	08/13/96	--				30.20	419.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	
	11/13/96					33.24	416.19	Not sampled: well sampled semi-annually, during the first and third quarters								
	03/26/97	--				26.85	422.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	
	05/15/97					29.69	419.74	Not sampled: well sampled semi-annually, during the first and third quarters								
	08/26/97	--				34.00	415.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	
	11/05/97					35.94	413.49	Not sampled: well sampled semi-annually, during the first and third quarters								
	02/18/98	--				18.18	431.25	ND<50	1	1	ND<0.5	1	ND<3	--	--	
	05/20/98					22.85	426.58	Not sampled: well sampled semi-annually, during the first and third quarters								
	07/30/98	NP				30.31	419.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	8.2	--	
	10/29/98					35.88	413.55	Not sampled: well sampled semi-annually, during the first and third quarters								
	03/16/99	NP				28.50	420.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	1.0	--	
	05/05/99					29.76	419.67	Not sampled: well sampled semi-annually, during the first and third quarters								
	08/26/99	P				33.51	415.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	4.93	--	
	12/03/99					35.83	413.60	Not sampled: well sampled semi-annually, during the first and third quarters								
	03/13/00	P				26.12	423.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	2.81	--	
	06/20/00					30.91	418.52	Not sampled: well sampled semi-annually							5.80	--
	08/31/00					33.70	415.73	Not sampled: well no longer part of sampling schedule								
	02/09/01					30.90	418.53	Not sampled: well no longer part of sampling schedule								
	09/17/01					33.95	415.48	Not sampled: well no longer part of sampling schedule								
	01/21/02					33.71	415.72	Not sampled: well no longer part of sampling schedule								
	07/19/02					35.30	414.13	Not sampled: well no longer part of sampling schedule								
	1/15/03 ²					27.10	422.33	Not sampled: well no longer part of sampling schedule								
	07/09/03					33.10	416.33	Not sampled: well no longer part of sampling schedule								
	02/19/04					28.92	420.51	Not sampled: well no longer part of sampling schedule								

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴		
MW-9	03/20/95	--	449.21	29.50	39.50	19.11	430.10	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--		
	06/02/95					21.23	427.98	Not sampled: well sampled semi-annually, during the first and third quarters									
	08/23/95	--				24.33	424.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--		
	12/04/95					27.90	421.31	Not sampled: well sampled semi-annually, during the first and third quarters									
	02/20/96	--				17.86	431.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--		
	05/15/96					18.69	430.52	Not sampled: well sampled annually, during the first quarter									
	08/13/96					24.17	425.04	Not sampled: well sampled annually, during the first quarter									
	11/13/96					28.01	421.20	Not sampled: well sampled annually, during the first quarter									
	03/26/97	--				22.58	426.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--		
	05/15/97					25.12	424.09	Not sampled: well sampled annually, during the first quarter									
	08/26/97					28.28	420.93	Not sampled: well sampled annually, during the first quarter									
	11/05/97					31.18	418.03	Not sampled: well sampled annually, during the first quarter									
	02/18/98	--				16.03	433.18	ND<50	1	1	ND<0.5	1	ND<3	--	--		
	05/20/98					19.31	429.90	Not sampled: well sampled annually, during the first quarter									
	07/30/98					24.90	424.31	Not sampled: well sampled annually, during the first quarter									
	10/29/98					30.08	419.13	Not sampled: well sampled annually, during the first quarter									
	03/16/99	P				22.68	426.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	1.0	--		
	05/05/99					23.82	425.39	Not sampled: well sampled annually, during the first quarter									
	08/26/99					26.57	422.64	Not sampled: well sampled annually, during the first quarter							5.08	--	
	12/03/99					Not surveyed: well inaccessible											
	03/13/00	P				25.62	423.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	5.43	--		
	06/20/00					23.55	425.66	Not sampled: well sampled annually, during the first quarter							6.20	--	
	08/31/00					27.39	421.82	Not sampled: well no longer part of sampling schedule									
	02/09/01					28.65	420.56	Not sampled: well no longer part of sampling schedule									
	09/17/01					27.51	421.70	Not sampled: well no longer part of sampling schedule									
	01/21/02					27.09	422.12	Not sampled: well no longer part of sampling schedule									
	07/19/02					27.06	422.15	Not sampled: well no longer part of sampling schedule									
	1/15/03 ²					21.78	427.43	Not sampled: well no longer part of sampling schedule									
	07/09/03					26.18	423.03	Not sampled: well no longer part of sampling schedule									
	02/19/04					23.45	425.76	Not sampled: well no longer part of sampling schedule									

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴		
MW-10	03/20/95	449.22	29.00	37.00	37.00	20.96	428.26	Not sampled: well sampled annually, during the third quarter									
	06/02/95					22.15	427.07	Not sampled: well sampled annually, during the third quarter									
	08/23/95	--				24.47	424.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--		
	12/04/95					26.97	422.25	Not sampled: well sampled annually, during the third quarter									
	02/20/96	--				18.40	430.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--		
	05/15/96					--	--	Not surveyed: vehicle was parked on well									
	08/13/96					23.70	425.52	Not sampled: well sampled annually, during the first quarter									
	11/13/96					27.15	422.07	Not sampled: well sampled annually, during the first quarter									
	03/26/97	--				22.23	426.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--		
	05/15/97					24.57	424.65	Not sampled: well sampled annually, during the first quarter									
	08/26/97					27.62	421.60	Not sampled: well sampled annually, during the first quarter									
	11/05/97					30.79	418.43	Not sampled: well sampled annually, during the first quarter									
	02/18/98					--	--	Not surveyed: vehicle was parked on well									
	05/20/98					--	--	Not sampled: well sampled annually, during the first quarter									
	07/30/98					23.90	425.32	Not sampled: well sampled annually, during the first quarter									
	10/29/98					30.55	418.67	Not sampled: well sampled annually, during the first quarter									
	03/16/99	P				23.05	426.17	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	1.0	--		
	05/05/99					24.00	425.22	Not sampled: well sampled annually, during the first quarter									
	08/26/99					26.50	422.72	Not sampled: well sampled annually, during the first quarter								5.15	--
	12/03/99					30.80	418.42	Not sampled: well sampled annually, during the first quarter									
	03/13/00					26.21	423.01	Not sampled: vehicle was parked on well									
	06/20/00					23.52	425.70	Not sampled: well sampled annually, during the first quarter								5.5	--
	08/31/00					27.52	421.70	Not sampled: well no longer part of sampling schedule									
	02/09/01					28.71	420.51	Not sampled: well no longer part of sampling schedule									
	09/17/01					27.94	421.28	Not sampled: well no longer part of sampling schedule									
	01/21/02					27.44	421.78	Not sampled: well no longer part of sampling schedule									
07/19/02					27.80	421.42	Not sampled: well no longer part of sampling schedule										
1/15/03 ²					23.09	426.13	Not sampled: well no longer part of sampling schedule										
07/09/03					26.87	422.35	Not sampled: well no longer part of sampling schedule										
02/19/04					23.39	425.83	Not sampled: well no longer part of sampling schedule										

Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴
MW-11	03/20/95	--	448.02	29.00	39.00	25.02	423.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	06/02/95					23.82	424.20	Not sampled: well sampled semi-annually, during the first and third quarters							
	08/23/95	--				30.15	417.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	12/04/95					31.63	416.39	Not sampled: well sampled semi-annually, during the first and third quarters							
	02/20/96	--				20.94	427.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	05/15/96					23.03	424.99	Not sampled: well sampled semi-annually, during the first and third quarters							
	08/13/96	--				29.19	418.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	11/13/96					31.96	416.06	Not sampled: well sampled semi-annually, during the first and third quarters							
	03/26/97	--				26.61	421.41	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	05/15/97					29.39	418.63	Not sampled: well sampled semi-annually, during the first and third quarters							
	08/26/97	--				33.47	414.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	11/05/97					35.12	412.90	Not sampled: well sampled semi-annually, during the first and third quarters							
	02/18/98	--				18.03	429.99	ND<50	ND<0.5	ND<0.5	ND<0.5	1	ND<3	--	--
	05/20/98					23.00	425.02	Not sampled: well sampled semi-annually, during the first and third quarters							
	07/30/98	P				29.30	418.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	5.6	--
	10/29/98					34.47	413.55	Not sampled: well sampled semi-annually, during the first and third quarters							
	03/16/99	P				27.88	420.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	1.0	--
	05/05/99					26.85	421.17	Not sampled: well sampled semi-annually, during the first and third quarters							
	08/26/99	P				32.74	415.28	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	4.59	--
	12/03/99					34.70	413.32	Not sampled: well sampled semi-annually, during the first and third quarters							
03/13/00	P				25.94	422.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	3.21	--	
06/20/00					30.40	417.62	Not sampled: well sampled semi-annually, during the first and third quarters						3.30	--	
DUP	08/31/00	--	--			--	--	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--
	08/31/00	NP				32.68	415.34	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	0.40	--
	02/09/01					31.17	416.85	Not sampled: well sampled annually, during the third quarter							
	09/17/01	NP				32.98	415.04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.62	--
	01/21/02					31.05	416.97	Not sampled: well sampled annually, during the third quarter							
	07/19/02	P				31.67	416.35	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.7	8
	1/15/03 ²					23.75	424.27	Not sampled: well sampled annually, during the third quarter							
	07/09/03	P				31.06	416.96	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4	6.6
	02/19/04					27.21	420.81	Not sampled: well sampled annually, during the third quarter							

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH- g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴
RW-1	03/20/95	--	451.67	25.50	40.50	23.76	427.91	15,000	1,000	140	310	950	--	--	--
	06/02/95	--				25.12	426.55	12,000	1,300	280	420	1,100	--	--	--
	08/23/95	--				28.80	422.87	8,200	520	190	240	610	ND<50	--	--
	12/04/95	--				31.15	420.52	2,600	140	59	83	210	--	--	--
	02/20/96	--				21.45	430.22	6,300	410	160	180	650	ND<40	--	--
	05/15/96					22.97	428.70	Not sampled: well sampled annually, during the first quarter							
	08/13/96					24.74	426.93	Not sampled: well sampled annually, during the first quarter							
	11/13/96					30.69	420.98	Not sampled: well sampled annually, during the first quarter							
	03/26/97	--				25.69	425.98	500	57	3	6	18	54	--	--
	05/15/97					28.19	423.48	Not sampled: well sampled annually, during the first quarter							
	08/26/97					31.21	420.46	Not sampled: well sampled annually, during the first quarter							
	11/05/97					33.67	418.00	Not sampled: well sampled annually, during the first quarter							
	02/18/98	--				20.14	431.53	9,400	200	70	190	710	ND<60	--	--
	05/20/98					23.43	428.24	Not sampled: well sampled annually, during the first quarter							
	07/30/98					27.42	424.25	Not sampled: well sampled annually, during the first quarter							
	10/29/98					32.47	419.20	Not sampled: well sampled annually, during the first quarter							
	03/16/99	NP				25.45	426.22	1,100	140	19	45	83	530	1.0	--
	05/05/99					27.23	424.44	Not sampled: well sampled annually, during the first quarter							
	08/26/99					29.98	421.69	Not sampled: well sampled annually, during the first quarter							
	12/03/99					32.38	419.29	Not sampled: well sampled annually, during the first quarter							
	03/13/00	NP				25.53	426.14	1,100	130	3.5	0.7	95	230	4.43	--
	06/20/00					28.31	423.36	Not sampled: well sampled annually, during the first quarter							
	08/31/00	NP				30.61	421.06	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	82.5	3.21	--
	02/09/01	NP				31.14	420.53	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	0.84	--
	09/17/01	NP				31.70	419.97	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.51	--
	01/21/02	NP				30.15	421.52	ND<50	7.7	ND<0.50	ND<0.50	1.5	18	0.63	--
	07/19/02	NP				31.15	420.52	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	1.4	6.6
	1/15/03 ²					22.20	429.47	860 ¹	9.0	1.6	17	42	1.5	2.8	7.2
	07/09/03	NP				29.56	422.11	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.8	7.1
	02/19/04	NP				23.53	428.14	ND<50 ⁵	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4	6.7

**Table 1
Groundwater Elevation and Analytical Data****

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled		TOC Elevation (feet, MSL)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft bgs)	Depth to Water (feet, TOC)	Groundwater Elevation (feet-MSL)	GRO / TPH-g ³ (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁴ (mg/L)	pH Level ⁴
VW-1	08/31/00	P	--	18.50	28.50	28.50	20.61	--	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	10.08	--
	02/09/01	P					22.10	--	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	0.53	--
	09/17/01	P					21.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	6.59	--
	01/21/02	P					21.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.70	--
	07/19/02	P					22.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.9	7.1
	1/15/03 ²						22.59	--	ND<50	ND<0.50	ND<0.50	0.63	1.7	ND<0.50	5.4	7.2
	07/09/03	P					22.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	0.61	ND<0.50	2.0	7.0
	02/19/04						21.04	--	Not sampled: well sampled annually, during the third quarter							

Notes

- = Not analyzed or not applicable
- * = EPA method 8020 prior to 12/03/99
- µg/L = Micrograms per liter
- BTEX = Benzene, toluene, ethyl benzene, and total xylenes analyzed using EPA Method 8260B
- DUP = Duplicate
- ft. bgs = feet below ground surface
- GRO = Gasoline Range Organics (C6-C10) analyzed using EPA Method 8015B modified (prior to 01/15/03)
- mg/L = Milligrams per liter
- MSL = Mean sea level
- ND< = Not detected at or above specified laboratory reporting limit
- NP = No purge
- P = Purge
- TOC = Top of casing
- TPH-g = Total Petroleum Hydrocarbons as Gasoline analyzed using EPA Method 8260B
- 1 = Chromatogram Pattern: Gasoline C6-C10
- 2 = BTEX and MTBE analyzed by EPA Method 8260B beginning 1st Quarter Sampling event (01/15/03)
- 3 = Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported
- 4 = Dissolved oxygen and pH are field measurements
- 5 = GRO analyzed by EPA Method 8015B modified
- ** For previous historical groundwater elevation and analytical data please refer to Fourth Quarter 1995 Groundwater Monitoring Program Results and Remediation System Performance Evaluation Report, ARCO Service Station 771, Livermore, California, (EMCON, March 1, 1996).

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

Table 2
Groundwater Flow Direction and Gradient

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
03/20/95	Northwest	0.03
06/02/95	North-Northwest	0.01
08/23/95	North-Northwest	0.03
12/04/95	North-Northwest	0.03
02/20/96	Northwest	0.02
05/15/96	Northwest	0.02
08/13/96	North-Northwest	0.03
11/13/96	North-Northwest	0.03
03/26/97	North-Northwest	0.04
05/15/97	North-Northwest	0.03
08/26/97	North-Northwest	0.04
11/05/97	North-Northwest	0.03
02/18/98	Northwest	0.01
05/20/98	Northwest	0.03
07/30/98	North	0.04
10/29/98	North	0.01
03/16/99	North-Northwest	0.03
05/05/99	North	0.04
08/26/99	North-Northwest	0.05
12/03/99	North-Northeast	0.06
03/13/00	North-Northwest	0.07
06/20/00	North-Northwest	0.05
08/31/00	North-Northwest	0.06
02/09/01	North-Northeast	0.01
09/17/01	North-Northwest	0.06
01/21/02	North-Northwest	0.05
07/19/02	North-Northwest	0.04
01/15/03	Northeast to Southeast	0.04 - 0.02
07/09/03	Northwest to North-Northwest	0.01 - 0.06
02/19/04	North	0.04

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

Table 3
Fuel Oxygenate Analytical Data

ARCO Service Station #0771
899 Rincon Avenue, Livermore, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-2	07/09/03	ND<1,000	ND<200	39	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
MW-4	07/09/03	ND<1,000	750	150	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	02/18/04	ND<1,000	630	180	ND<10.0	ND<10	ND<10	ND<5.0	ND<5.0
MW-5	07/09/03	ND<1,000	1,100	260	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
MW-6	07/09/03	ND<100	ND<20	0.98	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7	07/09/03	ND<1,000	350	110	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	02/18/04	ND<1,000	420	100	ND<10.0	ND<10	ND<10	ND<5.0	ND<5.0
MW-11	07/09/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
RW-1	07/09/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	02/18/04	ND<100	ND<20	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50
VW-1	07/09/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
 1,2-DCA = 1,2-Dichloroethane
 DIPE = Di-isopropyl ether
 EDB = 1,2-Dibromoethane
 ETBE = Ethyl tert butyl ether
 µg/L = micrograms per liter
 MTBE = Methyl tert-butyl ether
 ND< = not detected at or above the laboratory reporting limit
 TAME = tert-Amyl methyl ether
 TBA = tert-Butyl alcohol

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.

WELL GAUGING DATA

Project # 040219-JPI Date 2/19/04 Client Arco 771

Site 899 Rincon Ave, Livermore

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-1	4					26.24	36.71	TOC	
MW-2	4					23.85	34.11		
MW-3	4					25.29	39.64		
MW-4	4					26.35	41.18		Sample NPE 26'
MW-5	4					26.73	40.20		
MW-6	4					26.48	43.25		
MW-7	4					25.12	39.68		Sample
MW-8	2					28.92	42.52 46.52 _{JP}		
MW-9	2					23.45	39.11		
* MW-10	2					23.39	34.18		
MW-11	2					27.21	38.61		
RW-1	6					23.53	39.65		Sample NPE 25.5
VW-1	4					21.04	28.20	↓	
* - Under pressure - allowed water level to stabilize for 5 min prior to gauging									

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040219-JPI	Station # 771
Sampler: M. Pynch	Date: 2/19/04
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 41.18	Depth to Water: 26.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer 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.

9.6	X	3	=	28.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
0958	65.6	5.3	1287	10	Clear, odor
1001	68.0	6.1	1269	20	"
1003	68.2	6.2	1250	29	"

Did well dewater? Yes No Gallons actually evacuated: 29

Sampling Time: 1005 Sampling Date: 2/19/04

Sample I.D.: MW-4 Laboratory: Pace Sequoia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxy's EtOH 1,2 DCA + EDB

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.8	mg/L
	O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040219-JPI	Station # 771
Sampler: M. Pynch	Date: 2/19/04
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 39.68	Depth to Water: 52.12 ^{JP} 25.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI <u>HACH</u>

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

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u> Extraction Pump Other: _____	Sampling Method: Bailer <u>Disposable Bailer</u> 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.

9.4	x	3	=	28.2	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1048	66.8	7.0	1092	9.5	clear, strong odor
1050	68.9	6.8	1174	19	
1053	69.5	6.6	1163	28.5	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: 28.5
Sampling Time: 1055	Sampling Date: 2/19/04
Sample I.D.: MW-7	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>oxy's EtOH</u> <u>1,2 DCA</u> <u>EDB</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L Post-purge: <u>0.8</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040219-JP1	Station # 771
Sampler: M. Pyrch	Date: 2/19/04
Well I.D.: RW-1	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: 39.65	Depth to Water: 23.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI <u>HACH</u>

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.63
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> 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>No Purge</u> Specified Volumes	=	_____ Gals. Calculated Volume
-----------------------	---	--------------------------------------	---	----------------------------------

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1025	65.8	6.7	697	—	Clear

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: —
Sampling Time: 1025	Sampling Date: 2/19/04
Sample I.D.: RW-1	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>xy's</u> <u>EtOH</u> <u>1,2 DCA</u> <u>EDB</u>	
D.O. (if req'd):	Pre-purge: _____ ^{mg/L} Post-purge: <u>2.4</u> ^{mg/L}
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV

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:

771

Station #

899 Rincon Ave, Livermore

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

55

added equip.
rinse water

5

any other
adjustments

TOTAL GALS.
RECOVERED

60

loaded onto
BTS vehicle #

23

BTS event #

040219-JP1

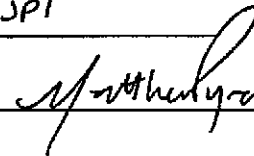
time

22³⁰ 1100

date

2/19/04

signature



REC'D AT

time

date

unloaded by
signature

1 1

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.



5 March, 2004

Scott Hooton
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: ARCO #0771, Livermore, CA
Work Order: MNB0601

Enclosed are the results of analyses for samples received by the laboratory on 02/20/04 15:17. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes For Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

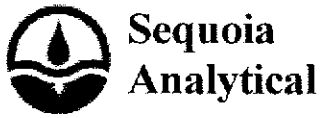
Project: ARCO #0771, Livermore, CA
Project Number: INTRIM-50867
Project Manager: Scott Hooton

MNB0601
Reported:
03/05/04 16:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	MNB0601-01	Water	02/19/04 10:05	02/20/04 15:17
MW-7	MNB0601-02	Water	02/19/04 10:55	02/20/04 15:17
RW-1	MNB0601-03	Water	02/19/04 10:25	02/20/04 15:17

Samples were received with no custody seals.



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

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

Project: ARCO #0771, Livermore, CA
 Project Number: INTRIM-50867
 Project Manager: Scott Hooton

MNB0601
 Reported:
 03/05/04 16:48

Purgeable Hydrocarbons by EPA 8015B
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MNB0601-01) Water Sampled: 02/19/04 10:05 Received: 02/20/04 15:17									
Gasoline Range Organics	4800	500	ug/l	10	4020578	02/26/04	02/26/04	EPA 8015B-VOA	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>94 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
MW-7 (MNB0601-02) Water Sampled: 02/19/04 10:55 Received: 02/20/04 15:17									
Gasoline Range Organics	8900	500	ug/l	10	4020578	02/26/04	02/26/04	EPA 8015B-VOA	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>93 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
RW-1 (MNB0601-03) Water Sampled: 02/19/04 10:25 Received: 02/20/04 15:17									
Gasoline Range Organics	ND	50	ug/l	1	4020578	02/26/04	02/26/04	EPA 8015B-VOA	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>91 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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 Project: ARCO #0771, Livermore, CA
 Project Number: INTRIM-50867
 Project Manager: Scott Hooton

 MNB0601
 Reported:
 03/05/04 16:48

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
MW-4 (MNB0601-01) Water Sampled: 02/19/04 10:05 Received: 02/20/04 15:17										
Tert-amyl methyl ether	ND	10		ug/l	10	4020607	02/27/04	02/27/04	EPA 8260B	
Benzene	270	5.0		"	"	"	"	"	"	
Tert-butyl alcohol	630	200		"	"	"	"	"	"	
Di-isopropyl ether	ND	10		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0		"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0		"	"	"	"	"	"	
Ethanol	ND	1000		"	"	"	"	"	"	
Ethylbenzene	25	5.0		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10		"	"	"	"	"	"	
Methyl tert-butyl ether	180	5.0		"	"	"	"	"	"	
Toluene	11	5.0		"	"	"	"	"	"	
Xylenes (total)	19	5.0		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %			84-122	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %			74-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %			84-119	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		115 %			86-119	"	"	"	"	
MW-7 (MNB0601-02) Water Sampled: 02/19/04 10:55 Received: 02/20/04 15:17										
Tert-amyl methyl ether	ND	10		ug/l	10	4020607	02/27/04	02/27/04	EPA 8260B	
Tert-butyl alcohol	420	200		"	"	"	"	"	"	
Di-isopropyl ether	ND	10		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0		"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0		"	"	"	"	"	"	
Ethanol	ND	1000		"	"	"	"	"	"	
Ethylbenzene	470	5.0		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10		"	"	"	"	"	"	
Methyl tert-butyl ether	100	5.0		"	"	"	"	"	"	
Toluene	24	5.0		"	"	"	"	"	"	
Xylenes (total)	120	5.0		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %			84-122	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %			74-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %			84-119	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		114 %			86-119	"	"	"	"	

URS Corporation [Arco]
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 Project Number: INTRIM-50867
 Project Manager: Scott Hooton

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 03/05/04 16:48

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
MW-7 (MNB0601-02RE1) Water Sampled: 02/19/04 10:55 Received: 02/20/04 15:17										
Benzene	670	12		ug/l	25	4030002	03/01/04	03/01/04	EPA 8260B	
<i>Surrogate: Dibromofluoromethane</i>		<i>103 %</i>		<i>84-122</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>96 %</i>		<i>74-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>102 %</i>		<i>84-119</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>96 %</i>		<i>86-119</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
RW-1 (MNB0601-03) Water Sampled: 02/19/04 10:25 Received: 02/20/04 15:17										
Tert-amyl methyl ether	ND	1.0		ug/l	1	4020607	02/27/04	02/27/04	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
Tert-butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50		"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50		"	"	"	"	"	"	
Ethanol	ND	100		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0		"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		<i>104 %</i>		<i>84-122</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>115 %</i>		<i>74-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>99 %</i>		<i>84-119</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>109 %</i>		<i>86-119</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

URS Corporation [Arco]
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 03/05/04 16:48

Purgeable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 4020578 - EPA 5030B, waters									
Blank (4020578-BLK1)					Prepared & Analyzed: 02/26/04				
Gasoline Range Organics	ND	50	ug/l						
Surrogate: 4-Bromofluorobenzene	294		"	300		98 65-135			
Laboratory Control Sample (4020578-BS1)					Prepared & Analyzed: 02/26/04				
Gasoline Range Organics	2460	50	ug/l	2750		89 65-135			
Surrogate: 4-Bromofluorobenzene	314		"	300		105 65-135			
Matrix Spike (4020578-MS1)					Source: P402411-12 Prepared & Analyzed: 02/26/04				
Gasoline Range Organics	2380	50	ug/l	2750	17	86 65-135			
Surrogate: 4-Bromofluorobenzene	307		"	300		102 65-135			
Matrix Spike Dup (4020578-MSD1)					Source: P402411-12 Prepared & Analyzed: 02/26/04				
Gasoline Range Organics	2330	50	ug/l	2750	17	84 65-135	2	20	
Surrogate: 4-Bromofluorobenzene	305		"	300		102 65-135			

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 03/05/04 16:48

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4020607 - EPA 5030B waters
Blank (4020607-BLK1)

Prepared & Analyzed: 02/27/04

Tert-amyl methyl ether	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							

<i>Surrogate: Dibromofluoromethane</i>	6.40		"	6.00		107	84-122			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	6.63		"	6.00		110	74-135			
<i>Surrogate: Toluene-d8</i>	5.95		"	6.00		99	84-119			
<i>Surrogate: 4-Bromofluorobenzene</i>	6.77		"	6.00		113	86-119			

Laboratory Control Sample (4020607-BS1)

Prepared & Analyzed: 02/27/04

Tert-amyl methyl ether	4.82	1.0	ug/l	5.00		96	78-117			
Benzene	4.93	0.50	"	5.00		99	81-118			
Tert-butyl alcohol	118	20	"	100		118	60-147			
Di-isopropyl ether	5.45	1.0	"	5.00		109	70-125			
1,2-Dibromoethane (EDB)	4.92	0.50	"	5.00		98	85-125			
1,2-Dichloroethane	5.40	0.50	"	5.00		108	77-126			
Ethanol	271	100	"	100		271	55-200			Q-29
Ethylbenzene	5.09	0.50	"	5.00		102	89-122			
Ethyl tert-butyl ether	4.97	1.0	"	5.00		99	71-120			
Methyl tert-butyl ether	5.07	0.50	"	5.00		101	70-122			
Toluene	4.61	0.50	"	5.00		92	84-119			
Xylenes (total)	15.4	0.50	"	15.0		103	86-132			
<i>Surrogate: Dibromofluoromethane</i>	6.29		"	6.00		105	84-122			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	6.69		"	6.00		112	74-135			
<i>Surrogate: Toluene-d8</i>	5.88		"	6.00		98	84-119			
<i>Surrogate: 4-Bromofluorobenzene</i>	6.82		"	6.00		114	86-119			

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: ARCO #0771, Livermore, CA
Project Number: INTRIM-50867
Project Manager: Scott Hooton

MNB0601
Reported:
03/05/04 16:48

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4020607 - EPA 5030B waters
Laboratory Control Sample Dup (4020607-BSD1)

Prepared & Analyzed: 02/27/04

Tert-amyl methyl ether	4.93	1.0	ug/l	5.00		99	78-117	2	20	
Benzene	4.98	0.50	"	5.00		100	81-118	1	20	
Tert-butyl alcohol	131	20	"	100		131	60-147	10	20	
Di-isopropyl ether	5.55	1.0	"	5.00		111	70-125	2	20	
1,2-Dibromoethane (EDB)	5.06	0.50	"	5.00		101	85-125	3	20	
1,2-Dichloroethane	5.51	0.50	"	5.00		110	77-126	2	20	
Ethanol	157	100	"	100		157	55-200	53	20	QR-07
Ethylbenzene	5.25	0.50	"	5.00		105	89-122	3	20	
Ethyl tert-butyl ether	5.14	1.0	"	5.00		103	71-120	3	20	
Methyl tert-butyl ether	5.18	0.50	"	5.00		104	70-122	2	20	
Toluene	4.58	0.50	"	5.00		92	84-119	0.7	20	
Xylenes (total)	16.0	0.50	"	15.0		107	86-132	4	20	
<i>Surrogate: Dibromofluoromethane</i>	6.30		"	6.00		105	84-122			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	6.71		"	6.00		112	74-135			
<i>Surrogate: Toluene-d8</i>	5.82		"	6.00		97	84-119			
<i>Surrogate: 4-Bromofluorobenzene</i>	6.83		"	6.00		114	86-119			

Batch 4030002 - EPA 5030B waters
Blank (4030002-BLK1)

Prepared & Analyzed: 03/01/04

Tert-amyl methyl ether	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	6.21		"	6.00		104	84-122			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.74		"	6.00		96	74-135			
<i>Surrogate: Toluene-d8</i>	6.08		"	6.00		101	84-119			
<i>Surrogate: 4-Bromofluorobenzene</i>	5.72		"	6.00		95	86-119			

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: ARCO #0771, Livermore, CA
 Project Number: INTRIM-50867
 Project Manager: Scott Hooton

 MNB0601
 Reported:
 03/05/04 16:48

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4030002 - EPA 5030B waters
Laboratory Control Sample (4030002-BS1)

Prepared & Analyzed: 03/01/04

Tert-amyl methyl ether	5.99	1.0	ug/l	5.00		120	78-117			Q-LIM
Benzene	5.64	0.50	"	5.00		113	81-118			
Tert-butyl alcohol	112	20	"	100		112	60-147			
Di-isopropyl ether	6.06	1.0	"	5.00		121	70-125			
1,2-Dibromoethane (EDB)	5.37	0.50	"	5.00		107	85-125			
1,2-Dichloroethane	5.68	0.50	"	5.00		114	77-126			
Ethanol	134	100	"	100		134	55-200			
Ethylbenzene	4.90	0.50	"	5.00		98	89-122			
Ethyl tert-butyl ether	6.14	1.0	"	5.00		123	71-120			Q-LIM
Methyl tert-butyl ether	6.44	0.50	"	5.00		129	70-122			Q-LIM
Toluene	5.20	0.50	"	5.00		104	84-119			
Xylenes (total)	15.2	0.50	"	15.0		101	86-132			
<i>Surrogate: Dibromofluoromethane</i>	<i>6.31</i>		"	<i>6.00</i>		<i>105</i>	<i>84-122</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.93</i>		"	<i>6.00</i>		<i>99</i>	<i>74-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>6.08</i>		"	<i>6.00</i>		<i>101</i>	<i>84-119</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.67</i>		"	<i>6.00</i>		<i>94</i>	<i>86-119</i>			

Laboratory Control Sample Dup (4030002-BSD1)

Prepared & Analyzed: 03/01/04

Tert-amyl methyl ether	5.38	1.0	ug/l	5.00		108	78-117	11	20	
Benzene	4.60	0.50	"	5.00		92	81-118	20	20	
Tert-butyl alcohol	86.8	20	"	100		87	60-147	25	20	QR-02
Di-isopropyl ether	5.41	1.0	"	5.00		108	70-125	11	20	
1,2-Dibromoethane (EDB)	4.77	0.50	"	5.00		95	85-125	12	20	
1,2-Dichloroethane	4.98	0.50	"	5.00		100	77-126	13	20	
Ethanol	83.7	100	"	100		84	55-200	46	20	QR-02
Ethylbenzene	4.44	0.50	"	5.00		89	89-122	10	20	
Ethyl tert-butyl ether	5.50	1.0	"	5.00		110	71-120	11	20	
Methyl tert-butyl ether	5.64	0.50	"	5.00		113	70-122	13	20	
Toluene	4.34	0.50	"	5.00		87	84-119	18	20	
Xylenes (total)	13.2	0.50	"	15.0		88	86-132	14	20	
<i>Surrogate: Dibromofluoromethane</i>	<i>6.23</i>		"	<i>6.00</i>		<i>104</i>	<i>84-122</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.67</i>		"	<i>6.00</i>		<i>94</i>	<i>74-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>6.18</i>		"	<i>6.00</i>		<i>103</i>	<i>84-119</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.71</i>		"	<i>6.00</i>		<i>95</i>	<i>86-119</i>			

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612Project: ARCO #0771, Livermore, CA
Project Number: INTRIM-50867
Project Manager: Scott HootonMNB0601
Reported:
03/05/04 16:48**Notes and Definitions**

- Q-29 The percent recovery in the quality control analyte exceeded the upper control limit. Because there was no detectable amount of this compound in the associated sample, the result has been reported.
- Q-LIM The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.
- 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.
- QR-07 The RPD was outside control limits. The results may still be useful for their intended purpose.
- 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

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

03/08/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #0771, Livermore, CA
Work Order Number:	MNB0601
Global ID:	T0600100113
Lab Report Number:	MNB0601030520041658

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MNB06010305200 MW-4 41658		MNB060101	W	CS	8260FAB	SW5030	02/19/04	02/27/04	02/27/04	4020607	1	SEQP
MNB06010305200 MW-4 41658		MNB060101	W	CS	SW8015B	SW5030	02/19/04	02/26/04	02/26/04	4020578	1	SEQP
MNB06010305200 MW-7 41658		MNB060102	W	CS	8260FAB	SW5030	02/19/04	02/27/04	02/27/04	4020607	1	SEQP
MNB06010305200 MW-7 41658		MNB060102	W	CS	SW8015B	SW5030	02/19/04	02/26/04	02/26/04	4020578	1	SEQP
MNB06010305200 MW-7 41658		MNB060102R1	W	CS	8260FAB	SW5030	02/19/04	03/01/04	03/01/04	4030002	1	SEQP
MNB06010305200 RW-1 41658		MNB060103	W	CS	8260FAB	SW5030	02/19/04	02/27/04	02/27/04	4020607	1	SEQP
MNB06010305200 RW-1 41658		MNB060103	W	CS	SW8015B	SW5030	02/19/04	02/26/04	02/26/04	4020578	1	SEQP
		P40241112	W	NC	SW8015B	SW5030	//	02/26/04	02/26/04	4020578	1	SEQP
		4020578BS1	WQ	BS1	SW8015B	SW5030	//	02/26/04	02/26/04	4020578	1	SEQP
		4020578BLK1	WQ	LB1	SW8015B	SW5030	//	02/26/04	02/26/04	4020578	1	SEQP
		4020578MS1	W	MS1	SW8015B	SW5030	//	02/26/04	02/26/04	4020578	1	SEQP
		4020578MSD1	W	SD1	SW8015B	SW5030	//	02/26/04	02/26/04	4020578	1	SEQP
		4020607BSD1	WQ	BD1	8260FAB	SW5030	//	02/27/04	02/27/04	4020607	1	SEQP
		4020607BS1	WQ	BS1	8260FAB	SW5030	//	02/27/04	02/27/04	4020607	1	SEQP
		4020607BLK1	WQ	LB1	8260FAB	SW5030	//	02/27/04	02/27/04	4020607	1	SEQP
		4030002BSD1	WQ	BD1	8260FAB	SW5030	//	03/01/04	03/01/04	4030002	1	SEQP
		4030002BS1	WQ	BS1	8260FAB	SW5030	//	03/01/04	03/01/04	4030002	1	SEQP
		4030002BLK1	WQ	LB1	8260FAB	SW5030	//	03/01/04	03/01/04	4030002	1	SEQP

EDFSAMP: Error Summary Log

03/08/04

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

EDFTEST: Error Summary Log

03/08/04

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

EDFRES: Error Summary Log

03/08/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4020578MS1	MS1	W	SW8015B	PR	02/26/04	1	BR4FBZ
Warning: extra parameter	4020578MS1	MS1	W	SW8015B	PR	02/26/04	1	GRO
Warning: extra parameter	4020578MSD1	SD1	W	SW8015B	PR	02/26/04	1	BR4FBZ
Warning: extra parameter	4020578MSD1	SD1	W	SW8015B	PR	02/26/04	1	GRO
Warning: extra parameter	MNB060101	CS	W	8260FAB	PR	02/27/04	1	BR4FBZ
Warning: extra parameter	MNB060101	CS	W	8260FAB	PR	02/27/04	1	BZMED8
Warning: extra parameter	MNB060101	CS	W	8260FAB	PR	02/27/04	1	DBFM
Warning: extra parameter	MNB060101	CS	W	8260FAB	PR	02/27/04	1	DCA12D4
Warning: extra parameter	MNB060101	CS	W	SW8015B	PR	02/26/04	1	BR4FBZ
Warning: extra parameter	MNB060101	CS	W	SW8015B	PR	02/26/04	1	GRO
Warning: extra parameter	MNB060102	CS	W	8260FAB	PR	02/27/04	1	BR4FBZ
Warning: extra parameter	MNB060102	CS	W	8260FAB	PR	02/27/04	1	BZMED8
Warning: extra parameter	MNB060102	CS	W	8260FAB	PR	02/27/04	1	DBFM
Warning: extra parameter	MNB060102	CS	W	8260FAB	PR	02/27/04	1	DCA12D4
Warning: extra parameter	MNB060102	CS	W	SW8015B	PR	02/26/04	1	BR4FBZ
Warning: extra parameter	MNB060102	CS	W	SW8015B	PR	02/26/04	1	GRO
Warning: extra parameter	MNB060102R1	CS	W	8260FAB	PR	03/01/04	1	BR4FBZ
Warning: extra parameter	MNB060102R1	CS	W	8260FAB	PR	03/01/04	1	BZMED8
Warning: extra parameter	MNB060102R1	CS	W	8260FAB	PR	03/01/04	1	DBFM
Warning: extra parameter	MNB060102R1	CS	W	8260FAB	PR	03/01/04	1	DCA12D4
Warning: extra parameter	MNB060103	CS	W	8260FAB	PR	02/27/04	1	BR4FBZ
Warning: extra parameter	MNB060103	CS	W	8260FAB	PR	02/27/04	1	BZMED8
Warning: extra parameter	MNB060103	CS	W	8260FAB	PR	02/27/04	1	DBFM
Warning: extra parameter	MNB060103	CS	W	8260FAB	PR	02/27/04	1	DCA12D4
Warning: extra parameter	MNB060103	CS	W	SW8015B	PR	02/26/04	1	BR4FBZ

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNB060103	CS	W	SW8015B	PR	02/26/04	1	GRO
Warning: extra parameter	P40241112	NC	W	SW8015B	PR	02/26/04	1	BR4FBZ
Warning: extra parameter	P40241112	NC	W	SW8015B	PR	02/26/04	1	GRO
Warning: extra parameter	4020578BLK1	LB1	WQ	SW8015B	PR	02/26/04	1	BR4FBZ
Warning: extra parameter	4020578BLK1	LB1	WQ	SW8015B	PR	02/26/04	1	GRO
Warning: extra parameter	4020578BS1	BS1	WQ	SW8015B	PR	02/26/04	1	BR4FBZ
Warning: extra parameter	4020578BS1	BS1	WQ	SW8015B	PR	02/26/04	1	GRO
Warning: extra parameter	4020607BLK1	LB1	WQ	8260FAB	PR	02/27/04	1	BR4FBZ
Warning: extra parameter	4020607BLK1	LB1	WQ	8260FAB	PR	02/27/04	1	BZMED8
Warning: extra parameter	4020607BLK1	LB1	WQ	8260FAB	PR	02/27/04	1	DBFM
Warning: extra parameter	4020607BLK1	LB1	WQ	8260FAB	PR	02/27/04	1	DCA12D4
Warning: extra parameter	4020607BS1	BS1	WQ	8260FAB	PR	02/27/04	1	BR4FBZ
Warning: extra parameter	4020607BS1	BS1	WQ	8260FAB	PR	02/27/04	1	BZMED8
Warning: extra parameter	4020607BS1	BS1	WQ	8260FAB	PR	02/27/04	1	DBFM
Warning: extra parameter	4020607BS1	BS1	WQ	8260FAB	PR	02/27/04	1	DCA12D4
Warning: extra parameter	4020607BSD1	BD1	WQ	8260FAB	PR	02/27/04	1	BR4FBZ
Warning: extra parameter	4020607BSD1	BD1	WQ	8260FAB	PR	02/27/04	1	BZMED8
Warning: extra parameter	4020607BSD1	BD1	WQ	8260FAB	PR	02/27/04	1	DBFM
Warning: extra parameter	4020607BSD1	BD1	WQ	8260FAB	PR	02/27/04	1	DCA12D4
Warning: extra parameter	4030002BLK1	LB1	WQ	8260FAB	PR	03/01/04	1	BR4FBZ
Warning: extra parameter	4030002BLK1	LB1	WQ	8260FAB	PR	03/01/04	1	BZMED8
Warning: extra parameter	4030002BLK1	LB1	WQ	8260FAB	PR	03/01/04	1	DBFM
Warning: extra parameter	4030002BLK1	LB1	WQ	8260FAB	PR	03/01/04	1	DCA12D4
Warning: extra parameter	4030002BS1	BS1	WQ	8260FAB	PR	03/01/04	1	BR4FBZ
Warning: extra parameter	4030002BS1	BS1	WQ	8260FAB	PR	03/01/04	1	BZMED8
Warning: extra parameter	4030002BS1	BS1	WQ	8260FAB	PR	03/01/04	1	DBFM
Warning: extra parameter	4030002BS1	BS1	WQ	8260FAB	PR	03/01/04	1	DCA12D4
Warning: extra parameter	4030002BSD1	BD1	WQ	8260FAB	PR	03/01/04	1	BR4FBZ
Warning: extra parameter	4030002BSD1	BD1	WQ	8260FAB	PR	03/01/04	1	BZMED8

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4030002BSD1	BD1	WQ	8260FAB	PR	03/01/04	1	DBFM
Warning: extra parameter	4030002BSD1	BD1	WQ	8260FAB	PR	03/01/04	1	DCA12D4

EDFQC: Error Summary Log

03/08/04

Error type	Lablotcl	Anmcode	Parlabel	Qccode	Labqcid
There are no errors in this data files					

EDFCL: Error Summary Log

03/08/04

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

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Date/Time of Submittal: 3/8/2004 3:29:34 PM

Facility Global ID: T0600100113

Facility Name: ARCO # 00771

Submittal Title: QMR Q1 2004 Site 771

Submittal Type: GW Monitoring Report

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