



Atlantic Richfield Company
(a BP affiliated company)



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

Alameda County
OCT 31 2003
Environmental Health

October 24, 2003

RE: Third Quarter 2003 Groundwater Monitoring Report
ARCO Service Station #6041
7249 Village Parkway
Dublin, CA
URS Project #38486334

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



October 24, 2003

Mr. Scott Seery
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Alameda County
OCT 31 2003
Environmental Health

**Re: Third Quarter 2003 Groundwater Monitoring Report
ARCO Service Station #6041
7249 Village Parkway
Dublin, California
URS Project #38486334**

Dear Mr. Seery:

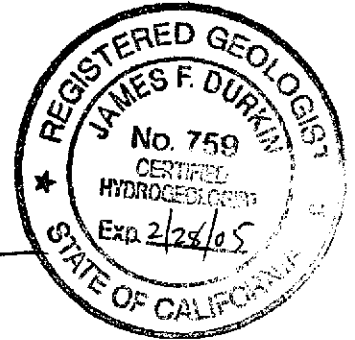
On behalf of Atlantic Richfield Company (ARCO – an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Third Quarter 2003 Groundwater Monitoring Report* for the ARCO Service Station #6041, located at 7249 Village Parkway, Dublin, California.

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: Third Quarter 2003 Groundwater Monitoring Report

cc: Ms. Karen Petryna, Equiva Services, LLC, PO Box 7869, Burbank, CA 91510-7869
Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)

R E P O R T

Alameda County

OCT 31 2003

Environmental Health

**THIRD QUARTER 2003
GROUNDWATER MONITORING**

ARCO SERVICE STATION #6041
7249 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

Prepared for
Atlantic Richfield Company

October 24, 2003

URS

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

38486334

Date: October 24, 2003

Quarter: 3Q 03

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.: 6041 Address: 7249 Village Parkway, Dublin, California

Atlantic Richfield Co. Environmental Engineer: Paul Supple

Consulting Co./Contact Person: URS Corporation / Scott Robinson

Consultant Project No.: 38486334

Primary Agency: Alameda County Health Care Services Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (Third – 2003):

1. Performed third quarter 2003 groundwater monitoring event on September 30, 2003.
2. Prepared and submitted second quarter 2003 groundwater monitoring report.
3. Re-surveyed top of casing for wells MW-2 through MW-8 to vertical NAVD'88 datum on July 21, 2003.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2003):

1. Perform fourth quarter 2003 groundwater monitoring event.
2. Prepare and submit third quarter 2003 groundwater monitoring report.
3. Reduce the sampling frequency of well MW-6 from quarterly to annually.

Current Phase of Project: GW monitoring/sampling

Frequency of Groundwater Sampling: Quarterly: Wells MW-2 to MW-4 and MW-6 to MW-8

Annual (4th Qtr.): MW-5

Frequency of Groundwater Monitoring: Quarterly

Is Free Product (FP) Present On-Site: No

Bulk Soil Removed to Date: 3,208 cubic yards

Current Remediation Techniques: Natural Attenuation

Approximate Depth to Groundwater: 7.66 (MW-4) to 9.32 (MW-6)

Groundwater Gradient (direction): Southwest

Groundwater Gradient (magnitude): 0.002 feet per foot

DISCUSSION:

All groundwater samples were analyzed by EPA Method 8260B for TPH-g, BTEX and fuel oxygenates. TPH-g was detected above the laboratory reporting limit in one of the five wells sampled this quarter at a concentration of 1,500 µg/L (MW-8). Benzene was detected above the laboratory reporting limit in one well at a concentration of 240 µg/L (MW-8). MTBE was detected above the laboratory reporting limit in all five wells at concentrations ranging from 1.4 µg/L (MW-4) to 650 µg/L (MW-3). TBA was detected above the laboratory reporting limit in three wells at concentrations ranging from 290 µg/L (MW-2) to 39,000 µg/L (MW-3). No other fuel oxygenates

were detected above their respective reporting limits. Well MW-7 was dry and could not be sampled. A groundwater contour map was not included in the *Second Quarter 2003 Groundwater Monitoring Report* because the site was not resurveyed until after the report was submitted. Therefore, the groundwater contour map for the second quarter 2003 is included in this report.

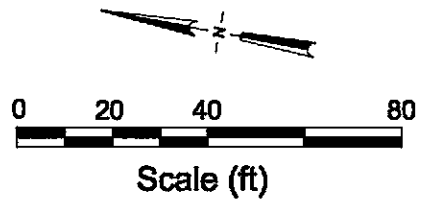
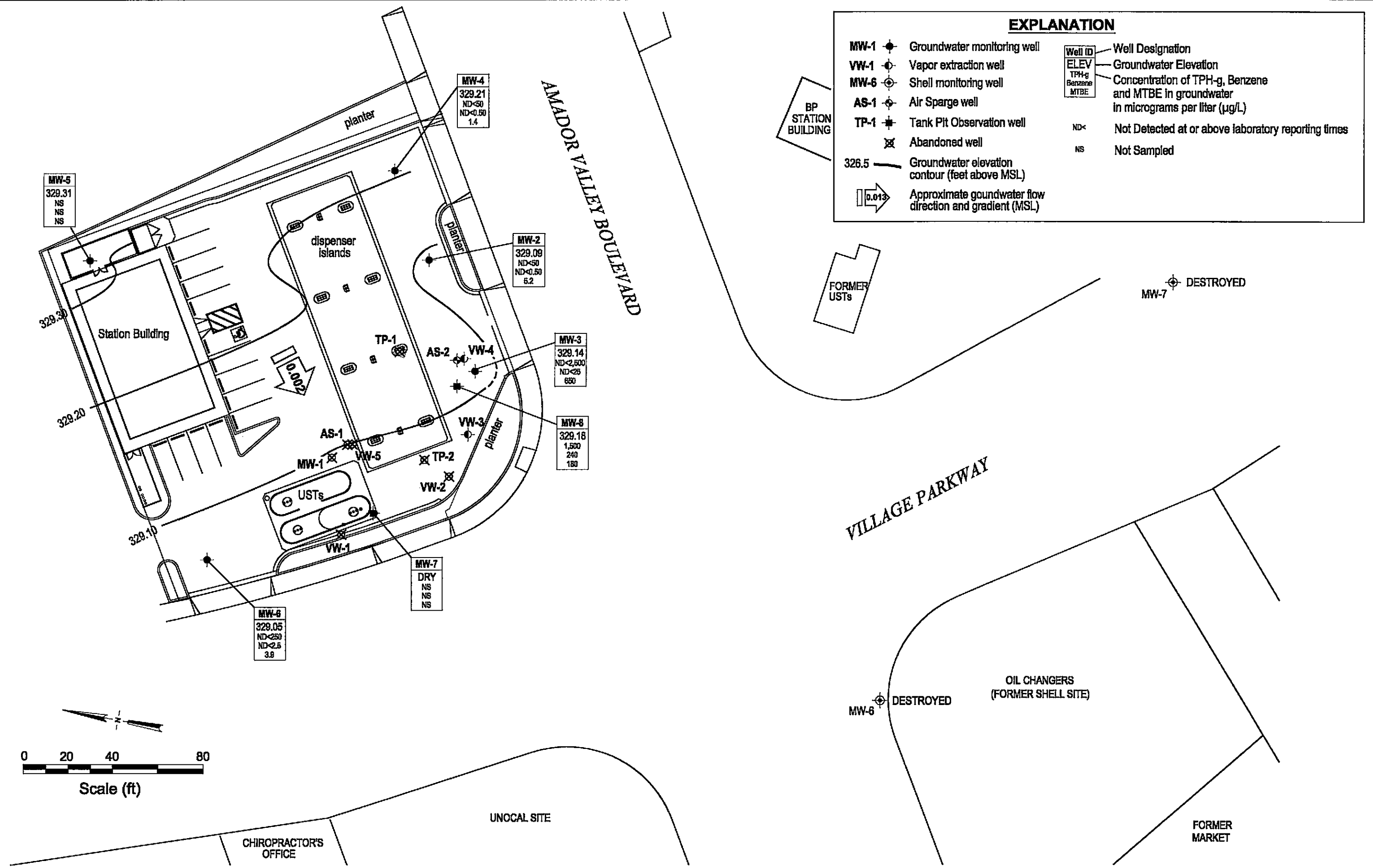
ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 30, 2003
- Figure 2 – Groundwater Elevation Contour and Analytical Summary Map – June 28, 2003
- 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
- Attachment D – Well Elevation Survey Data

X:\w_001_wassie\BP_GEM\Site\Scott_Robinson\Paul_Supple\6041\Map\drawing\Chr.3_2003\Drawings\GWEC-AS_9-30.dwg, 10/28/2003 01:38:28 PM, jlawyer@d

EXPLANATION

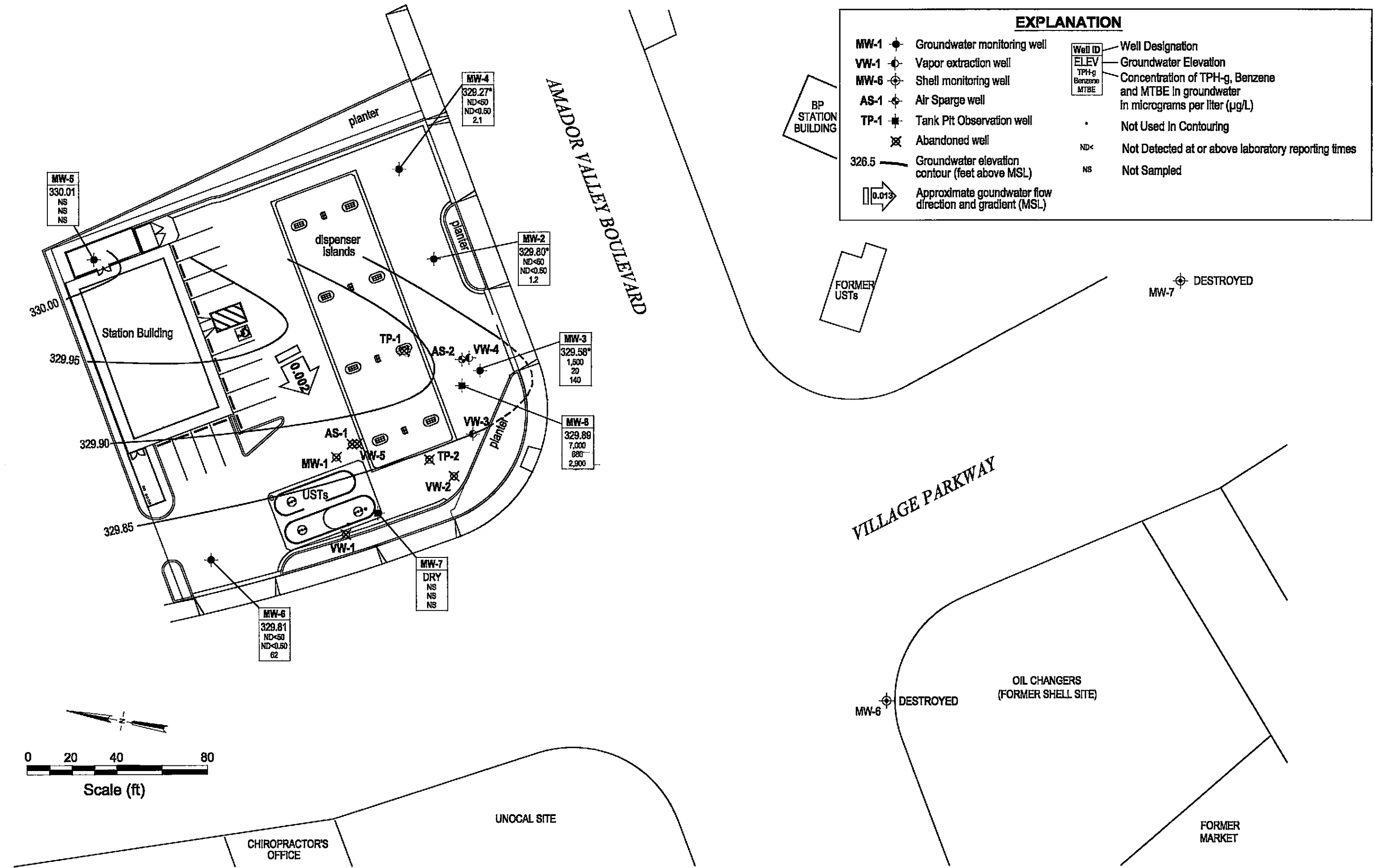
MW-1	●	Groundwater monitoring well	Well ID	Well Designation
VW-1	⊙	Vapor extraction well	ELEV	Groundwater Elevation
MW-6	⊙	Shell monitoring well	TPH-g	Concentration of TPH-g, Benzene and MTBE in groundwater in micrograms per liter (µg/L)
AS-1	⊙	Air Sparge well	Benzene	
TP-1	⊙	Tank Pit Observation well	MTBE	
	⊗	Abandoned well	ND<	Not Detected at or above laboratory reporting times
	—	Groundwater elevation contour (feet above MSL)	NS	Not Sampled
	→	Approximate groundwater flow direction and gradient (MSL)		



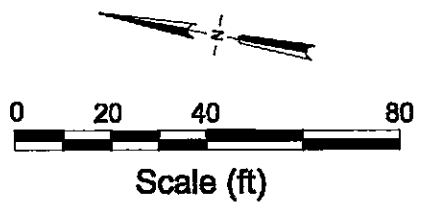
NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38486334	Groundwater Elevation Contour and Analytical Summary Map Third Quarter 2003 (September 30, 2003)	FIGURE 1
	Arco Service Station #6041 7249 Village Parkway Dublin, California		

X:\env\waste\BP_GEM\Site\Scott Robinson\Paul_Supp\16041\Monitoring\cbr.2, 2003\Drawings\GWEC-AS_6-28_rev1.dwg, 10/26/2003 02:27:43 PM, jfawcayd



EXPLANATION	
MW-1	Groundwater monitoring well
VW-1	Vapor extraction well
MW-6	Shell monitoring well
AS-1	Air Sparge well
TP-1	Tank Pit Observation well
⊗	Abandoned well
326.5	Groundwater elevation contour (feet above MSL)
↗ 0.013	Approximate groundwater flow direction and gradient (MSL)
Well ID	Well Designation
ELEV	Groundwater Elevation
TPH-g Benzene MTBE	Concentration of TPH-g, Benzene and MTBE in groundwater in micrograms per liter (µg/L)
•	Not Used In Contouring
ND<	Not Detected at or above laboratory reporting times
NS	Not Sampled



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

URS	Project No. 38486334	Groundwater Elevation Contour and Analytical Summary Map Second Quarter 2003 (June 28, 2003)	FIGURE 2
	Arco Service Station #6041 7249 Village Parkway Dublin, California		

**Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen ⁹ (mg/L)	pH Level ⁸		
MW-1	02/15/95	336.56	8.53	328.03	820	15	ND<1	5.2	1.4	--	--	--	--		
	05/24/95		9.00	327.56	640	12	ND<1	7.3	ND<1	--	--	--	--		
	08/25/95		10.30	326.26	780	2	ND<1	2	2	2,500	--	--	--		
	11/28/95		11.01	325.55	570	2.2	ND<0.5	1.4	0.9	--	--	--	--		
	02/26/96		7.35	329.21	1,100	28	ND<7	13	7	3,400	--	--	--		
	05/23/96		8.73	327.83	560	8.5	ND<1	1.1	ND<1	3,900	--	--	--		
	08/23/96		10.25	326.31	860	ND<1	ND<1	ND<4	2	5,600	--	--	--		
	03/21/97		9.35	327.21	520	12	ND<0.5	2.7	1.5	6,200	--	--	--		
	08/20/97		10.75	325.81	ND<5,000	ND<50	ND<50	ND<50	ND<50	7,400	--	--	--		
	11/21/97		11.10	325.46	ND<5,000	ND<50	ND<50	ND<50	ND<50	8,500	--	--	--		
	02/12/98		P	7.05	329.51	210	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8,900	--	1.71	--	
	07/31/98		P	10.04	326.52	ND<20,000	ND<200	ND<200	ND<200	ND<200	18,000	--	2.43	--	
	02/17/99			8.50	328.06	ND<20,000	ND<200	ND<200	ND<200	ND<200	16,000	--	1.0	--	
	08/24/99		P	10.40	326.16	190	ND<0.5	4.4	ND<0.5	1.1	15,000	--	--	--	
	03/01/00		P	8.85	327.71	310	20	0.5	7.6	4	80,000	--	1.57	--	
	08/18/00		P	9.35	327.21	ND<10,000	ND<100	ND<100	ND<100	ND<100	48,400	63,700	1.50	--	
	12/27/00		P	10.81	325.75	ND<10,000	309	ND<100	ND<100	289	44,400	--	0.51	--	
	02/09/01		P	10.65	325.91	2,820	368	ND<25.0	116	176	23,300	--	0.58	--	
	DUP		02/09/01	NR	NR	NR	3,490	432	9.56	146	235	31,800	--	--	--
	DUP		04/17/01	P	11.09	325.47	2,900	66.0	ND<10.0	33.2	25.1	46,500	--	0.63	--
DUP	04/17/01	NR	NR	NR	2,600	70.1	ND<20.0	32.7	30.6	45,400	--	--	--		
	07/17/01	P	11.07	325.49	ND<10,000	ND<100	ND<100	130	520	42,000	--	0.69	--		
	12/21/01	Well abandoned during station upgrade activities													

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen ⁹ (mg/L)	pH Level ⁹	
MW-2	02/15/95	334.80	6.75	328.05	730	110	1.7	25	66	--	--	--	--	
	05/24/95		6.88	327.92	370	110	ND<1	17	1.9	--	--	--	--	
	08/25/95		7.91	326.89	150	6	ND<1	ND<1	ND<1	2,700	--	--	--	
	11/28/95		9.06	325.74	ND<50	ND<0.5	ND<0.5	ND<0.5	0.8	--	--	--	--	
	02/26/96		6.65	328.15	350	66	ND<0.5	11	1.7	ND<3	--	--	--	
	05/23/96		6.90	327.90	540	140	ND<2.5	13	ND<2.5	4,600	--	--	--	
	08/23/96		8.45	326.35	180	0.8	2	0.7	2.6	4,000	--	--	--	
	03/21/97		7.28	327.52	410	90	ND<1	14	4	3,800	--	--	--	
	08/20/97		8.87	325.93	ND<5,000	ND<50	ND<50	ND<50	ND<50	3,100	--	--	--	
	11/21/97		9.28	325.52	ND<2,000	ND<20	ND<20	ND<20	ND<20	2,600	--	--	--	
	02/12/98	P		5.90	328.90	310	54	ND<0.5	6.2	1.1	3,800	--	3.76	--
	07/31/98	P		8.12	326.68	6,100	52	220	110	1,100	7,700	--	2.96	--
	02/17/99	P		7.18	327.62	ND<5,000	ND<50	ND<50	ND<50	ND<50	4,200	--	1.0	--
	08/24/99	P		8.68	326.12	200	1.8	16	3.0	32	3,100	--	--	--
	03/01/00	P		7.02	327.78	760	24	12	13	59	6,300	--	1.92	--
	08/18/00	P		7.75	327.05	ND<500	ND<5.00	ND<5.00	ND<5.00	ND<5.00	1,610	1,980	2.03	--
	12/27/00			8.85	325.95	Not Sampled: Well sampled during first and third quarters								
	02/09/01	P		8.50	326.30	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	9.11	--	0.53	--
	04/17/01			9.12	325.68	Not Sampled: Well sampled during first and third quarters								
	DUP	07/17/01	P		8.99	325.81	1,200	ND<10	ND<10	ND<10	ND<10	4,200	--	0.69
07/17/01			NR	NR	NR	3,500	ND<10	ND<10	ND<10	ND<10	3,500	--	--	--
12/21/01		NP		8.65	326.15	65	ND<0.50	1.2	0.61	6.7	11	6.5	0.48	--
03/06/02		NP		8.61	326.19	ND<50	ND<0.50	ND<0.50	ND<0.50	1.8	31	--	0.35	--
04/26/02		NP		8.20	326.60	92	ND<0.5	ND<0.50	ND<0.50	0.64	98	180	0.19	--
09/23/02		P		8.50 ⁴	326.30 ⁴	250 ¹	ND<1.2	ND<1.2	ND<1.2	ND<1.2	--	1,500	2.1	7.3
12/27/02		P		7.15 ⁴	327.65 ⁴	440 ¹	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	790	1.4	6.9
03/12/03 ⁷		P		7.33	NR ⁶	ND<50	1.6	ND<0.50	ND<0.50	1.2	--	11	2.7	7.0
06/28/03 ⁸		P	337.29	7.49	329.80	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	2.0	7.4
09/30/03		P		8.20	329.09	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	5.2	2.2	7.0

**Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen ⁹ (mg/L)	pH Level ⁹	
MW-3	02/15/95	335.53	8.55	326.98	100	14	ND<0.5	6.3	ND<0.5	--	--	--	--	
	05/24/95		8.17	327.36	110	8	ND<0.5	2.7	ND<0.5	--	--	--	--	
	08/25/95		9.27	326.26	210	3.6	ND<0.5	2.9	0.6	20,000	--	--	--	
	11/28/95		9.91	325.62	81	1.5	ND<0.5	1.4	ND<0.5	--	15,000	--	--	
	02/26/96		8.42	327.11	16,000	1,600	1,200	300	2,000	9,500	--	--	--	
	05/23/96		7.70	327.83	6,500	690	ND<10	120	14	8,600	--	--	--	
	08/23/96		9.25	326.28	1,700	85	2	61	5.3	11,000	--	--	--	
	03/21/97		8.72	326.81	100	2	ND<1	1	ND<1	6,600	--	--	--	
	08/20/97		9.73	325.80	ND<5,000	ND<50	ND<50	ND<50	ND<50	7,700	--	--	--	
	11/21/97		10.10	325.43	ND<5,000	ND<50	ND<50	ND<50	ND<50	9,700	--	--	--	
	02/12/98		P	6.68	328.85	110	11	ND<0.5	ND<0.5	1.9	10,000	--	1.02	--
	07/31/98		P	7.98	327.55	ND<10,000	ND<100	ND<100	ND<100	ND<100	13,000	--	2.59	--
	02/17/99		P	8.40	327.13	ND<20,000	ND<200	ND<200	ND<200	ND<200	23,000	--	1.0	--
	08/24/99		P	9.45	326.08	200	0.6	5.6	0.6	1.7	22,000	--	--	--
	03/01/00		P	8.32	327.21	320	32	1.0	6.1	4	58,000	--	2.42	--
	08/18/00		P	8.35	327.18	ND<10,000	ND<100	ND<100	ND<100	ND<100	46,200	55,600	1.59	--
	DUP		08/18/00	NR	NR	NR	ND<10,000	ND<100	ND<100	ND<100	ND<100	45,500	51,700	--
	12/27/00	P	9.75	325.78	29,700	1,620	1,730	ND<250	6,230	62,600	--	1.59	--	
	02/09/01	P	9.61	325.92	29,300	2,590	3,530	440	7,080	85,500	--	0.51	--	
	04/17/01	P	9.94	325.59	16,400	1,680	ND<25.0	310	2,290	48,700	--	0.41	--	
	07/17/01	P	9.93	325.60	21,000	1,500	ND<100	1,100	690	82,000	--	0.51	--	
	12/21/01	P	9.40	326.13	ND<5,000	ND<50	ND<50	ND<50	ND<50	4,300	3,800	0.40	--	
DUP	12/21/01	NR	NR	NR	ND<5,000	ND<50	ND<50	ND<50	ND<50	4,500	3,500	--	--	
	03/06/02	P	9.33	326.20	ND<50	1.2	ND<0.50	1.1	13	880	--	0.43	--	
	04/26/02	P	9.19	326.34	260	3.7	ND<1.0	1.1	1.80	460	940	0.2	--	
	09/23/02	P	9.30 ⁴	326.23 ⁴	1,500 ²	41	2.4	9.8	14	--	980	1.5	7.6	
	12/27/02	P	7.30 ⁴	328.23 ⁴	1,500 ³	300	100	21	66	NA	1,100	2.2	8.6	
	3/12/2003 ⁷	P	8.06	NR ⁶	ND<1,000	ND<10	ND<10	ND<10	ND<10	NA	45	1.6	7.4	
	06/28/03 ⁸	P	338.18	8.60	329.58	1,500	20	27	12	45	--	140	1.7	7.6
	09/30/03	P	9.04	329.14	ND<2,500	ND<25	ND<25	ND<25	ND<25	--	650	0.9	7.4	

**Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen ⁹ (mg/L)	pH Level ⁹
MW-4	02/15/95	334.22	7.85	326.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
	05/24/95		6.68	327.54	Not sampled: well sampled semi-annually, during the first and third quarters								
	08/25/95		6.93	327.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	--
	11/28/95		8.21	326.01	Not sampled: well sampled semi-annually, during the first and third quarters								
	02/26/96		6.65	327.57	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	--
	05/23/96		6.47	327.75	Not sampled: well sampled semi-annually, during the first and third quarters								
	08/23/96		7.66	326.56	Not sampled: well not part of sampling program								
	03/21/97		6.84	327.38	Not sampled: well not part of sampling program								
	08/20/97		8.32	325.90	Not sampled: well not part of sampling program								
	11/21/97		8.65	325.57	Not sampled: well not part of sampling program								
	02/12/98		6.35	327.87	Not sampled: well not part of sampling program								
	07/31/98		6.84	327.38	Not sampled: well not part of sampling program								
	02/17/99		7.50	326.72	Not sampled: well not part of sampling program								
	08/24/99		9.50	324.72	Not sampled: well not part of sampling program								
	03/01/00		6.93	327.29	Not sampled: well not part of sampling program								
	08/18/00		7.03	327.19	Not sampled: well not part of sampling program								
	12/27/00		8.10	326.12	Not sampled: well not part of sampling program								
	02/09/01		7.97	326.25	Not sampled: well not part of sampling program								
	04/17/01		8.90	325.32	Not sampled: well not part of sampling program								
	07/17/01		8.59	325.63	Not sampled: well not part of sampling program								
12/21/01	NP	8.31	325.91	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.1	2.0	0.68	--	
03/06/02	P	8.27	325.95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	0.37	--	
04/26/02	P	8.05	326.17	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.6	--	0.3	--	
09/23/02	P	7.94	326.28	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.9	4.1	7.3	
12/27/02	P	7.56	326.66	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	2.6	2.1	6.9	
3/12/2003 ⁷	P	7.67	326.55	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	1.6	2.8	6.8	
06/28/03 ⁸	P	336.87	7.60	329.27	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.1	--	5.6
09/30/03	P	7.66	329.21	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.4	2.2	6.9

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen ⁹ (mg/L)	pH Level ⁹	
MW-5	02/15/95	335.87	7.80	328.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	
	05/24/95		8.10	327.77	Not sampled: well sampled annually, during the first quarter									
	08/25/95		9.43	326.44	Not sampled: well sampled annually, during the first quarter									
	11/28/95		10.12	325.75	Not sampled: well sampled annually, during the first quarter									
	02/26/96		6.73	329.14	03-13-96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	--
	05/23/96		7.87	328.00	Not sampled: well sampled annually, during the first quarter									
	08/23/96		9.46	326.41	Not sampled: well not part of sampling program									
	03/21/97		8.23	327.64	Not sampled: well not part of sampling program									
	08/20/97		9.92	325.95	Not sampled: well not part of sampling program									
	11/21/97		10.18	325.69	Not sampled: well not part of sampling program									
	02/12/98		6.45	329.42	Not sampled: well not part of sampling program									
	07/31/98		8.98	326.89	Not sampled: well not part of sampling program									
	02/17/99		7.65	328.22	Not sampled: well not part of sampling program									
	08/24/99		8.10	327.77	Not sampled: well not part of sampling program									
	03/01/00		7.31	328.56	Not sampled: well not part of sampling program									
	08/18/00		8.65	327.22	Not sampled: well not part of sampling program									
	12/27/00		9.80	326.07	Not sampled: well not part of sampling program									
	02/09/01		9.65	326.22	Not sampled: well not part of sampling program									
	04/17/01		9.92	325.95	Not sampled: well not part of sampling program									
	07/17/01		9.95	325.92	Not sampled: well not part of sampling program									
12/21/01			Well inaccessible											
03/06/02			Well inaccessible											
04/26/02			Well inaccessible											
09/23/02			7.94	327.93	Not sampled: well not part of sampling program									
12/27/02	P		7.57	328.30	ND<50	ND<0.50	ND<0.50	ND<0.50	0.76	--	15	0.7	6.9	
3/12/2003 ⁷			8.32	327.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	
06/28/03 ⁸		338.59	8.58	330.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	
09/30/03			9.28	329.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen ⁹ (mg/L)	pH Level ⁹
MW-6	02/15/95	335.84	7.81	328.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
	05/24/95		8.35	327.49	Not sampled: well sampled annually, during the first quarter								
	08/25/95		9.71	326.13	Not sampled: well sampled annually, during the first quarter								
	11/28/95		10.28	325.56	Not sampled: well sampled annually, during the first quarter								
	02/26/96		6.60	329.24	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	--
	05/23/96		8.05	327.79	Not sampled: well sampled annually, during the first quarter								
	08/23/96		9.58	326.26	Not sampled: well not part of sampling program								
	03/21/97		8.39	327.45	Not sampled: well not part of sampling program								
	08/20/97		9.98	325.86	Not sampled: well not part of sampling program								
	11/21/97		10.31	325.53	Not sampled: well not part of sampling program								
	02/12/98		3.15	332.69	Not sampled: well not part of sampling program								
	07/31/98		9.29	326.55	Not sampled: well not part of sampling program								
	02/17/99		7.72	328.12	Not sampled: well not part of sampling program								
	08/24/99		9.65	326.19	Not sampled: well not part of sampling program								
	03/01/00		7.35	328.49	Not sampled: well not part of sampling program								
	08/18/00		8.65	327.19	Not sampled: well not part of sampling program								
	12/27/00		9.83	326.01	Not sampled: well not part of sampling program								
	02/09/01		9.62	326.22	Not sampled: well not part of sampling program								
	04/17/01		10.03	325.81	Not sampled: well not part of sampling program								
	07/17/01	9.95	325.89	Not sampled: well not part of sampling program									
12/21/01	NP		9.47	326.37	ND<50	ND<0.50	ND<0.50	ND<0.50	0.57	ND<2.5	--	0.55	--
03/06/02	P		9.31	326.53	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	0.33	--
04/26/02	P		9.09	326.75	ND<50	ND<0.50	ND<0.50	ND<0.50	0.7	ND<2.5	--	0.31	--
09/23/02	P		9.14	326.70	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	2.1	7.4
12/27/02	P		7.26	328.58	ND<50	ND<0.50	ND<0.50	ND<0.50	0.63	NA	0.91	0.8	7.0
3/12/2003 ⁷	P		8.41	327.43	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	0.64	1.3	7.2
06/28/03 ⁸	P	338.37	8.56	329.81	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.62	1.6	6.8
09/30/03	P		9.32	329.05	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	3.9	0.8	7.0

**Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen ⁹ (mg/L)	pH Level ⁹	
MW-7	12/21/01	NR	NR	NR	Not sampled: well dry									
	03/06/02	NR	NR	NR	Not sampled: well dry									
	04/26/02	NR	NR	NR	Not sampled: well dry									
	09/23/02	NR	NR	NR	Not sampled: well dry									
	12/27/02	P ⁵	NR	7.74	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	4.7	2.7	7.0
	3/12/2003 ⁷	NR	NR	DRY	NR	Not sampled: well dry								
	06/28/03 ⁸	338.62	DRY	NR	Not sampled: well dry									
09/30/03		DRY	NR	Not sampled: well dry										
MW-8	12/21/01	NP	NR	8.70	NR	ND<5,000	67	ND<50	ND<50	ND<50	2,400	1,300	0.60	--
	03/06/02	P	NR	8.63	NR	210	41	0.64	0.79	2.0	940	--	0.25	--
DUP	03/06/02		NR	NR	NR	170	37	0.67	0.70	1.9	740	--	--	--
	04/26/02	P	NR	8.15	NR	680	95	ND<1.0	14	2.5	490	--	0.31	--
DUP	04/26/02		NR	NR	NR	480	74	3.5	11.00	ND<1.0	640	--	--	--
	09/30/02	P	NR	9.37	NR	1,100 ³	120	ND<5.0	57	8.7	NA	1,100	1.3	6.9
	12/27/02	P	NR	7.55	NR	350 ²	13	ND<0.50	2.4	2.2	NA	73	0.8	6.9
	3/12/2003 ⁷	P	NR	8.25	NR	ND<2,500	89	ND<25	ND<25	ND<25	NA	740	1.4	6.9
	06/28/03 ⁸	P	338.27	8.38	329.89	7,000	680	ND<25	110	180	--	2,900	1.9	4.8
	09/30/03	P		9.09	329.18	1,500	240	18	45	150	--	180	1.0	6.8
VW-2	03/21/97		NR	8.22	NR	150	8.9	ND<0.5	ND<0.5	0.6	270	--	--	--
	08/20/97		NR	9.16	NR	Not sampled: well not part of sampling program								
	11/21/97		NR	8.27	NR	ND<200	3	ND<2	ND<2	ND<2	180	--	--	--
	02/12/98		NR	6.65	NR	200	19	ND<0.5	0.6	ND<0.5	2,200	--	--	--
	07/31/98		NR	7.01	NR	Not sampled: well not part of sampling program								
	02/17/99		NR	8.47	NR	Not sampled: well not part of sampling program								
	08/24/99		NR	8.20	NR	Not sampled: well not part of sampling program								
	03/01/00		NR	8.72	NR	Not sampled: well not part of sampling program								
	08/18/00	NP	NR	8.40	NR	ND<250	ND<2.50	ND<2.50	ND<2.50	ND<2.50	537	--	1.59	--
	12/27/00		NR	8.95	NR	Not sampled: Well Dry								
	02/09/01		NR	8.87	NR	Not sampled: Well Dry								
	04/17/01		NR	9.00	NR	Not sampled: Well Dry								
07/17/01		NR	8.97	NR	Not sampled: Well Dry									
12/21/01		Well abandoned during station upgrade activities												

**Table 1
Groundwater Elevation and Analytical Data**

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen ⁹ (mg/L)	pH Level ⁹	
Shell MW-6 DUP	12/27/00	P	NR	9.13	NR	74.7	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.30	--
	12/27/00		NR	NR	NR	79.3	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--	--
	02/09/01	P	NR	9.05	NR	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.29	--
	04/17/01	P	NR	10.17	NR	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	0.95	--
	07/17/01	P	NR	9.50	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.2	--	1.03	--
	12/21/01	P	NR	9.98	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	0.97	--
	03/06/02	P	NR	9.90	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	0.97	--
	04/26/02	P	NR	9.47	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	0.97	--
09/27/02		Well destroyed												
Shell MW-7	12/27/00	P	NR	6.45	NR	ND<50.0	ND<0.500	0.696	ND<0.500	0.795	ND<2.50	--	1.33	--
	02/09/01	P	NR	6.39	NR	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.13	--
	04/17/01	P	NR	7.22	NR	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.12	--
	07/17/01	P	NR	6.93	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	1.05	--
	12/21/01	P	NR	7.15	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	--
	03/06/02	P	NR	7.03	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	0.95	--
	04/26/02	P	NR	7.15	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	0.95	--
	09/27/02		Well destroyed											

Notes:

- TOC = Top of casing
- ft-MSL = Elevation in feet, relative to mean sea level
- TPH = Total Petroleum Hydrocarbons analyzed using EPA Method 8015B modified
- BTEX = Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 03/01/00).
- MTBE = Methyl tert-butyl ether analyzed using EPA Method 8260B
- EPA = United States Environmental Protection Agency
- * = EPA method 8020 prior to 03/01/00
- µg/L = Micrograms per liter
- mg/L = Milligrams per liter
- NR = Not reported; data not available or not measurable
- = Not analyzed or not applicable
- ND< = Not detected at or above the laboratory reporting limit.
- P = Purge Sample
- ** = For previous historical groundwater elevation and analytical data please refer to Fourth Quarter 1995 Groundwater Monitoring Program Results, ARCO Service Station 6041, Dublin, California. (EMCON, February 26, 1996).
- DUP = Duplicate
- 1 = Discrete peak at C6-C7.
- 2 = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 3 = Chromatogram Pattern: C6-C10
- 4 = Well casing broken, TOC unknown.
- 5 = Well mistakenly sampled this quarter
- 6 = Well casing was repaired and needs to be resurveyed.
- 7 = Beginning the 1st quarter of 2003, TPH-g, BTEX and MTBE were analyzed by EPA Method 8260B.
- 8 = Elevations resurveyed on 7/21/2003.
- 9 = Dissolved oxygen and pH levels are field measurements.

Source The data within this table collected prior to September 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2
Groundwater Flow Direction and Gradient

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
02/15/95	NR	NR
05/24/95	East-Southeast	0.002
08/25/95	Northwest	0.006
11/28/95	North	0.006
02/26/96	East	0.012
05/23/96	Flat Gradient	Flat Gradient
08/23/96	Flat Gradient	Flat Gradient
03/21/97	South-Southeast	0.005
08/20/97	South-Southwest	0.001
11/21/97	South-Southwest	0.002
02/12/98	East	0.024
07/31/98	Northwest	0.01
02/17/99	Southeast	0.007
08/24/99	South-Southwest	0.013
03/01/00	South-Southeast	0.005
09/26/00	South-Southeast	0.002
12/27/00	West-Southwest	0.003
02/09/01	West-Southwest	0.003
04/17/01	South-Southwest	0.015
07/17/01	South-Southwest	0.003
12/21/01	East	0.002
03/06/02	East	0.003
04/26/02	Southeast	0.003
09/27/02	South	0.013
12/27/02	Southeast	0.011
03/12/03	South-Southeast	0.008
06/28/03	South	0.001
09/30/03	Southwest	0.002

Notes

NC = The site is scheduled to be resurveyed during the 3rd quarter 2003, at which point, a gradient will be calculated and the table will be updated

Source:

The data within this table collected prior to September 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

**Table 3
Fuel Oxygenate Analytical Data**

ARCO Service Station #6041
7249 Village Parkway
Dublin, 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	12/27/02	ND<20,000	ND<10,000	790	ND<250	ND<250	ND<250	ND<250	ND<250
	03/12/03	ND<100	540	11	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/28/03	ND<100	ND<20	1.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/30/03	ND<100	290	5.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-3	12/27/02	ND<40,000	ND<20,000	1,100	ND<500	ND<500	ND<500	ND<500	ND<500
	03/12/03	ND<2,000	6,100	45	ND<10	ND<10	ND<10	ND<10	ND<10
	06/28/03	ND<2,000	29,000	140	ND<10	ND<10	ND<10	ND<10	ND<10
	09/30/03	ND<5,000	39,000	650	ND<25	ND<25	ND<25	ND<25	ND<25
MW-4	12/27/02	ND<40	ND<20	2.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/12/03	ND<100	ND<20	1.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/28/03	ND<100	ND<20	2.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/30/03	ND<100	ND<20	1.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-5	12/27/02	ND<40	ND<20	15	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-6	12/27/02	ND<40	ND<20	0.91	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/12/03	ND<100	ND<20	0.64	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/28/03	ND<100	ND<20	0.62	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/30/03	ND<500	ND<100	3.9	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
MW-7	12/27/02	ND<40	ND<20	4.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/12/03	Not sampled - well dry							
	06/28/03	Not sampled - well dry							
	09/30/03	Not sampled - well dry							
MW-8	12/27/02	ND<400	260	73	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	03/12/03	ND<5,000	2,200	740	ND<25	ND<25	ND<25	ND<25	ND<25
	06/28/03	ND<5,000	12,000	2,900	ND<25	ND<25	ND<25	ND<25	ND<25
	09/30/03	ND<2,000	3,000	180	ND<10	ND<10	ND<10	ND<10	ND<10

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
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
ND< = Not detected at or above the laboratory reporting limit.
µg/L = micrograms per liter
a = The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

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 # 030930-PW-2 Date 9-30-03 Client Arco 6041

Site 7249 Village Pkwy Dublin

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	
5 MW-2	4					8.70	9.53	↓	
6 MW-3	4					9.04	13.95		
4 MW-4	4					7.66	14.50		
1 MW-5	4					9.28	17.45		60
3 MW-6	4					9.32	12.74		
2 MW-7	4					Dry	8.16		
7 MW-8	4					9.09	12.75		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030930-DW-2	Station # 6041
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 9.53	Depth to Water: 8.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> 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.

<u>0.9</u>	x	<u>3</u>	=	<u>2.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
17:14	77.8	7.1	3631	0.9	Brown
well dewatered @ 0.9 gal. DTW = 8.87					
17:22	78.1	7.0	3667	-	Turbid

Did well dewater? Yes No Gallons actually evacuated: 0.9

Sampling Time: 17:22 Sampling Date: 9-30-03

Sample I.D.: MW-2 Laboratory: Pace Sequoia Other: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA + EDB by P26

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>2.2</u>	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030930-DW-2	Station # 6041
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 13.95	Depth to Water: 9.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> 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>3.2</u>	x	<u>3</u>	=	<u>9.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
12:35	78.0	7.4	1534	3.2	odor
	well dewatered @ 3.5 gal. DTW = 61.99				
12:58	80.4	7.4	1443	—	DTW = 9.64 / odor

Did well dewater? Yes No Gallons actually evacuated: 3.5

Sampling Time: 12:58 Sampling Date: 9-30-03

Sample I.D.: MW-3 Laboratory: Pace Sequoia Other: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA + EDB by 926

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>0.9</u>	mg/L
	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030930-PW-2	Station # 6041
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 14.50	Depth to Water: 7.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> 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.

4.4	x	3	=	13.2	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
11:58	75.3	6.8	4806	4.5	clear
11:59	74.5	6.7	5127	9.0	
	well dewatered @ 10 gal.			DTW = 12.50	
13:18	75.8	6.9	4984	-	DTW = 7.70

Did well dewater? Yes No Gallons actually evacuated: 10

Sampling Time: 13:18 Sampling Date: 9-30-03

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA + EOB by P2C

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.2	mg/L
	O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030930-DW-2	Station # 6041
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 12.74	Depth to Water: 9.3
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> 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.

<u>2.7</u>	x	<u>3</u>	=	<u>6.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
11:45	76.1	6.9	558	2.7	Clear
			well dewatered @ 2.5 gal	DTW =	10.76
13:10	79.6	7.0	4072	—	DTW = 10.03 cloudy

Did well dewater? Yes No Gallons actually evacuated: 2.5

Sampling Time: 13:10 Sampling Date: 9-30-03

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

Analyzed for: <u>TPH-G</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxygenates, Ethane, 1,2-DCM & EOB by P26</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 #: 030930-PW-2	Station # 6041
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 8.16	Depth to Water: Dry
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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					Well dry. No Sample

Did well dewater? Yes No

Gallons actually evacuated: _____

Sampling Time: _____

Sampling Date: 9-30-03

Sample I.D.: MW-

Laboratory: Pace Sequoia Other _____

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

Other: Oxygenates, Ethanol, L, D-PET & EOB by P2

D.O. (if req'd): Pre-purge: _____

mg/L Post-purge: _____

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

mV Post-purge: _____

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030930-DW-2	Station # 6041
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-8	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 12.75	Depth to Water: 9.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> 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.

2.4	x	3	=	7.2	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
12:40	80.1	7.5	926	2.5	odor
12:41	78.4	6.8	2051	5.0	grey
12:42	76.9	6.8	2121	2.5	

Did well dewater? Yes No Gallons actually evacuated: 7.5

Sampling Time: 12:47 Sampling Date: 9-30-03

Sample I.D.: MW-8 Laboratory: Pace Sequoia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA & EDB by 826

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.0	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV



Chain of Custody Record

Project Name 6041 GWM 030930-DW-2
 BP BU/GEM CO Portfolio Retail
 BP Laboratory Contract Number: Atlantic Richfield Company

On-site Time: 11:05 Temp: 75°
 Off-site Time: 13:40 Temp: 80°
 Sky Conditions: SUNNY
 Meteorological Events:
 Wind Speed: 0 Direction:

Date: 9-30-03

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

Client To:	BP/GEM Facility No.: <u>ARCO 6041</u>	Consultant/Contractor: <u>URS</u>
Name: <u>SEQUOIA</u>	BP/GEM Facility Address: <u>7249 Village PKWY, DUBLIN, CA</u>	Address: <u>500 12th St., Ste. 200</u>
Address: <u>885 Jarvis Dr.</u>	Site ID No. <u>ARCO 6041</u>	<u>Oakland, CA 94609-4014</u>
<u>Morgan Hill, CA 95037</u>	Site Lat/Long:	e-mail EDD: <u>donna.casper@URSCorp.com</u>
	California Global ID #:	Consultant/Contractor Project No.: <u>J5-00006041.01 00427</u>
PM Theresa Allen	BP/GEM PM Contact: <u>PAUL SUPPLE</u>	Consultant Tele/Fax: <u>510-893-3600/510-874-3268</u>
Cell/Fax: <u>408-776-9600 / 408-782-6308</u>	Address: <u>P.O. Box 6549</u>	Consultant/Contractor PM: <u>Scott Robinson</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.:	Tele/Fax: <u>925-299-8891/925-299-8872</u>	BP/GEM Work Release No: <u>INTRIM -50691</u>

Bottle Order 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 (8915/8921/8260)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE, DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	
1	MW-2	12:22		X			3							X	X	X	X			
2	MW-3	12:58		X			3							X	X	X	X			
3	MW-4	13:18		X			3							X	X	X	X			
4	MW-6	13:10		X			3							X	X	X	X			
5	MW-8	12:47		X			3							X	X	X	X			
6	TB	-		X			2							X	X	X	X			"ON HOLD"
7																				"ON HOLD" → MAR 2/20/03
8																				
9																				
10																				

Relinquisher's Name: <u>Dave Walber</u>	Relinquished By / Affiliation: <u>Blaine Tech Services</u>	Date:	Time:	Accepted By / Affiliation: <u>David C. Hata</u>	Date:	Time:
Relinquishment Date:						
Relinquishment Method:						
Relinquishment 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 BLAINE 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:

6041

Station #

7249 Village Pkwy Dublin, CA

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

24

added equip. rinse water 5

any other adjustments _____

TOTAL GALS. RECOVERED 29

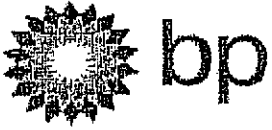
loaded onto BTS vehicle # 47

BTS event # 030930-DW-2 time 13:40 date 9/30/03

signature David C. Dalt

REC'D AT _____ time _____ date 1/1

unloaded by signature _____



WELLHEAD INSPECTION CHECKLIST
BP / GEM

Date 9-30-03

Site Address 7249 Village Pkwy Dublin

Job Number 030930-DW-2 Technician Dave W.

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	X							
MW-3	X							
MW-4							X	
MW-5							X	
MW-6	X							
MW-7	X							
MW-8	X							

NOTES: MW-5 1 tab filled w/concrete from well box. Other one bolt loose
MW-4 Bolts loose

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 Group Environmental Management Company have been reviewed and verified by that laboratory.



20 October, 2003

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

RE: ARCO #6041, Dublin, CA
Work Order: MMJ0074

Enclosed are the results of analyses for samples received by the laboratory on 10/01/03 17:57. 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: ARCO #6041, Dublin, CA
 Project Number: INTRIM - 50691
 Project Manager: Scott Robinson

 MMJ0074
Reported:
 10/20/03 13:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MMJ0074-01	Water	09/30/03 12:22	10/01/03 17:57
MW-3	MMJ0074-02	Water	09/30/03 12:58	10/01/03 17:57
MW-4	MMJ0074-03	Water	09/30/03 13:18	10/01/03 17:57
MW-6	MMJ0074-04	Water	09/30/03 13:10	10/01/03 17:57
MW-8	MMJ0074-05	Water	09/30/03 12:47	10/01/03 17:57
Tripblank	MMJ0074-06	Water	09/30/03 00:00	10/01/03 17:57

There were custody seals received with this project.

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

 Project: ARCO #6041, Dublin, CA
 Project Number: INTRIM - 50691
 Project Manager: Scott Robinson

 MMJ0074
 Reported:
 10/20/03 13:03

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

MW-2 (MMJ0074-01) Water Sampled: 09/30/03 12:22 Received: 10/01/03 17:57

Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	3J14018	10/14/03	10/14/03	EPA 8260B	
Ethanol	ND	100	"	"	"	"	"	"	
tert-Butyl alcohol	290	20	"	"	"	"	"	"	
Methyl tert-butyl ether	5.2	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 114 % 78-129 " " " "

MW-3 (MMJ0074-02) Water Sampled: 09/30/03 12:58 Received: 10/01/03 17:57

Gasoline Range Organics (C6-C10)	ND	2500	ug/l	50	3J14018	10/14/03	10/14/03	EPA 8260B	
Ethanol	ND	5000	"	"	"	"	"	"	
tert-Butyl alcohol	39000	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	650	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
Benzene	ND	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	25	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 111 % 78-129 " " " "

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

 Project: ARCO #6041, Dublin, CA
 Project Number: INTRIM - 50691
 Project Manager: Scott Robinson

 MMJ0074
 Reported:
 10/20/03 13:03

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

MW-4 (MMJ0074-03) Water Sampled: 09/30/03 13:18 Received: 10/01/03 17:57

Ethanol	ND	100	ug/l	1	3J11010	10/11/03	10/12/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	1.4	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	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

105 % 78-129

" " " "

MW-6 (MMJ0074-04) Water Sampled: 09/30/03 13:10 Received: 10/01/03 17:57

Ethanol	ND	500	ug/l	5	3J11010	10/11/03	10/12/03	EPA 8260B	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	3.9	2.5	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics	ND	250	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4

116 % 78-129

" " " "



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

Project: ARCO #6041, Dublin, CA
Project Number: INTRIM - 50691
Project Manager: Scott Robinson

MMJ0074
Reported:
10/20/03 13:03

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MMJ0074-05) Water Sampled: 09/30/03 12:47 Received: 10/01/03 17:57									
Gasoline Range Organics (C6-C10)	1500	1000	ug/l	20	3J14001	10/14/03	10/14/03	EPA 8260B	
Ethanol	ND	2000	"	"	"	"	"	"	
tert-Butyl alcohol	28000	400	"	"	"	"	"	"	O-09
Methyl tert-butyl ether	180	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
Benzene	240	10	"	"	"	"	"	"	
Toluene	18	10	"	"	"	"	"	"	
Ethylbenzene	45	10	"	"	"	"	"	"	
Xylenes (total)	150	10	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %		78-129	"	"	"	"	

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

Project: ARCO #6041, Dublin, CA
Project Number: INTRIM - 50691
Project Manager: Scott Robinson

MMJ0074
Reported:
10/20/03 13:03

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
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 3J11010 - EPA 5030B Modified
Blank (3J11010-BLK1)

Prepared & Analyzed: 10/11/03

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	"						
1,2-Dichloroethane	ND	0.50	"						
1,2-Dibromoethane (EDB)	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 5.32 " 5.00 106 78-129

Laboratory Control Sample (3J11010-BS1)

Prepared & Analyzed: 10/11/03

Ethanol	193	100	ug/l	200	96.5	31-186
tert-Butyl alcohol	55.2	20	"	50.0	110	0-206
Methyl tert-butyl ether	9.96	0.50	"	10.0	99.6	63-137
Di-isopropyl ether	10.0	0.50	"	10.0	100	76-130
Ethyl tert-butyl ether	10.4	0.50	"	10.0	104	61-141
tert-Amyl methyl ether	10.5	0.50	"	10.0	105	56-140
1,2-Dichloroethane	11.0	0.50	"	10.0	110	77-136
1,2-Dibromoethane (EDB)	10.9	0.50	"	10.0	109	77-132
Benzene	10.4	0.50	"	10.0	104	78-124
Toluene	10.5	0.50	"	10.0	105	78-129
Ethylbenzene	11.2	0.50	"	10.0	112	84-117
Xylenes (total)	33.9	0.50	"	30.0	113	83-125

Surrogate: 1,2-Dichloroethane-d4 5.34 " 5.00 107 78-129

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

Project: ARCO #6041, Dublin, CA
Project Number: INTRIM - 50691
Project Manager: Scott Robinson

MMJ0074
Reported:
10/20/03 13:03

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 3J11010 - EPA 5030B Modified
Laboratory Control Sample (3J11010-BS2)

Prepared & Analyzed: 10/11/03

Methyl tert-butyl ether	7.99	0.50	ug/l	10.1	79.1	63-137				
Benzene	5.40	0.50	"	6.48	83.3	78-124				
Toluene	32.6	0.50	"	29.7	110	78-129				
Ethylbenzene	8.41	0.50	"	7.20	117	84-117				
Xylenes (total)	42.0	0.50	"	33.7	125	83-125				
Gasoline Range Organics	435	50	"	440	98.9	70-113				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.64</i>		<i>"</i>	<i>5.00</i>	<i>113</i>	<i>78-129</i>				

Laboratory Control Sample Dup (3J11010-BSD1)

Prepared: 10/11/03 Analyzed: 10/12/03

Ethanol	192	100	ug/l	200	96.0	31-186	0.519	37		
tert-Butyl alcohol	53.9	20	"	50.0	108	0-206	2.38	22		
Methyl tert-butyl ether	10.1	0.50	"	10.0	101	63-137	1.40	13		
Di-isopropyl ether	9.95	0.50	"	10.0	99.5	76-130	0.501	9		
Ethyl tert-butyl ether	10.4	0.50	"	10.0	104	61-141	0.00	9		
tert-Amyl methyl ether	10.6	0.50	"	10.0	106	56-140	0.948	12		
1,2-Dichloroethane	10.8	0.50	"	10.0	108	77-136	1.83	13		
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0	105	77-132	3.74	9		
Benzene	9.97	0.50	"	10.0	99.7	78-124	4.22	12		
Toluene	9.83	0.50	"	10.0	98.3	78-129	6.59	10		
Ethylbenzene	10.3	0.50	"	10.0	103	84-117	8.37	10		
Xylenes (total)	31.0	0.50	"	30.0	103	83-125	8.94	11		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.55</i>		<i>"</i>	<i>5.00</i>	<i>111</i>	<i>78-129</i>				

Laboratory Control Sample Dup (3J11010-BSD2)

Prepared: 10/11/03 Analyzed: 10/12/03

Methyl tert-butyl ether	8.17	0.50	ug/l	10.1	80.9	63-137	2.23	13		
Benzene	5.25	0.50	"	6.48	81.0	78-124	2.82	12		
Toluene	32.2	0.50	"	29.7	108	78-129	1.23	10		
Ethylbenzene	8.12	0.50	"	7.20	113	84-117	3.51	10		
Xylenes (total)	41.0	0.50	"	33.7	122	83-125	2.41	11		
Gasoline Range Organics	429	50	"	440	97.5	70-113	1.39	9		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.69</i>		<i>"</i>	<i>5.00</i>	<i>114</i>	<i>78-129</i>				

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]
 500 12th Street, Suite 200
 Oakland CA, 94607

 Project: ARCO #6041, Dublin, CA
 Project Number: INTRIM - 50691
 Project Manager: Scott Robinson

 MMJ0074
 Reported:
 10/20/03 13:03

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 3J14001 - EPA 5030B P/T
Blank (3J14001-BLK1)

Prepared & Analyzed: 10/14/03

Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Ethanol	ND	100	"							
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	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							

<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.96		"	5.00		99.2	78-129			
---	------	--	---	------	--	------	--------	--	--	--

Laboratory Control Sample (3J14001-BS1)

Prepared & Analyzed: 10/14/03

Ethanol	173	100	ug/l	200		86.5	31-186			
tert-Butyl alcohol	56.6	20	"	50.0		113	0-206			
Methyl tert-butyl ether	8.70	0.50	"	10.0		87.0	63-137			
Di-isopropyl ether	9.04	0.50	"	10.0		90.4	76-130			
Ethyl tert-butyl ether	8.64	0.50	"	10.0		86.4	61-141			
tert-Amyl methyl ether	8.70	0.50	"	10.0		87.0	56-140			
1,2-Dichloroethane	9.59	0.50	"	10.0		95.9	77-136			
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0		107	77-132			
Benzene	9.03	0.50	"	10.0		90.3	78-124			
Toluene	9.57	0.50	"	10.0		95.7	78-129			
Ethylbenzene	9.97	0.50	"	10.0		99.7	84-117			
Xylenes (total)	32.1	0.50	"	30.0		107	83-125			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.87		"	5.00		97.4	78-129			
---	------	--	---	------	--	------	--------	--	--	--

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]
 500 12th Street, Suite 200
 Oakland CA, 94607

 Project: ARCO #6041, Dublin, CA
 Project Number: INTRIM - 50691
 Project Manager: Scott Robinson

 MMJ0074
 Reported:
 10/20/03 13:03

**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 3J14001 - EPA 5030B P/T
Laboratory Control Sample (3J14001-BS2)

Prepared & Analyzed: 10/14/03

Gasoline Range Organics (C6-C10)	389	50	ug/l	440		88.4	70-113			
Surrogate: 1,2-Dichloroethane-d4	4.93		"	5.00		98.6	78-129			

Laboratory Control Sample Dup (3J14001-BSD1)

Prepared: 10/14/03 Analyzed: 10/15/03

Ethanol	183	100	ug/l	200		91.5	31-186	5.62	37	
tert-Butyl alcohol	51.4	20	"	50.0		103	0-206	9.63	22	O-09
Methyl tert-butyl ether	8.29	0.50	"	10.0		82.9	63-137	4.83	13	
Di-isopropyl ether	8.33	0.50	"	10.0		83.3	76-130	8.18	9	
Ethyl tert-butyl ether	8.36	0.50	"	10.0		83.6	61-141	3.29	9	
tert-Amyl methyl ether	8.30	0.50	"	10.0		83.0	56-140	4.71	12	
1,2-Dichloroethane	10.1	0.50	"	10.0		101	77-136	5.18	13	
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0		107	77-132	0.00	9	
Benzene	8.98	0.50	"	10.0		89.8	78-124	0.555	12	
Toluene	9.37	0.50	"	10.0		93.7	78-129	2.11	10	
Ethylbenzene	9.79	0.50	"	10.0		97.9	84-117	1.82	10	
Xylenes (total)	32.2	0.50	"	30.0		107	83-125	0.311	11	
Surrogate: 1,2-Dichloroethane-d4	5.18		"	5.00		104	78-129			

Laboratory Control Sample Dup (3J14001-BSD2)

Prepared: 10/14/03 Analyzed: 10/15/03

Gasoline Range Organics (C6-C10)	410	50	ug/l	440		93.2	70-113	5.26	9	
Surrogate: 1,2-Dichloroethane-d4	5.13		"	5.00		103	78-129			

Matrix Spike (3J14001-MS1)

Source: MMJ0086-01

Prepared & Analyzed: 10/14/03

Gasoline Range Organics (C6-C10)	20100	2500	ug/l	22000	ND	91.4	70-113			
Methyl tert-butyl ether	397	25	"	504	ND	78.8	63-137			
Benzene	261	25	"	324	ND	80.6	78-124			
Toluene	1650	25	"	1480	ND	111	78-129			
Ethylbenzene	372	25	"	360	ND	103	84-117			
Xylenes (total)	1990	25	"	1680	ND	118	83-125			
Surrogate: 1,2-Dichloroethane-d4	5.20		"	5.00		104	78-129			

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

 Project: ARCO #6041, Dublin, CA
 Project Number: INTRIM - 50691
 Project Manager: Scott Robinson

 MMJ0074
 Reported:
 10/20/03 13:03

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 3J14001 - EPA 5030B P/T

Matrix Spike Dup (3J14001-MSD1)	Source: MMJ0086-01			Prepared & Analyzed: 10/14/03						
Gasoline Range Organics (C6-C10)	20500	2500	ug/l	22000	ND	93.2	70-113	1.97	9	
Methyl tert-butyl ether	400	25	"	504	ND	79.4	63-137	0.753	13	
Benzene	260	25	"	324	ND	80.2	78-124	0.384	12	
Toluene	1690	25	"	1480	ND	114	78-129	2.40	10	
Ethylbenzene	386	25	"	360	ND	107	84-117	3.69	10	
Xylenes (total)	2070	25	"	1680	ND	123	83-125	3.94	11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.00</i>		<i>"</i>	<i>5.00</i>		<i>100</i>	<i>78-129</i>			

Batch 3J14018 - EPA 5030B Modified

Blank (3J14018-BLK1)	Prepared & Analyzed: 10/14/03									
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Ethanol	ND	100	"							
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	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.81</i>		<i>"</i>	<i>5.00</i>		<i>116</i>	<i>78-129</i>			

Laboratory Control Sample (3J14018-BS1)	Prepared & Analyzed: 10/14/03									
Ethanol	192	100	ug/l	200		96.0	31-186			
tert-Butyl alcohol	58.3	20	"	50.0		117	0-206			
Methyl tert-butyl ether	9.76	0.50	"	10.0		97.6	63-137			
Di-isopropyl ether	9.88	0.50	"	10.0		98.8	76-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	61-141			
tert-Amyl methyl ether	10.3	0.50	"	10.0		103	56-140			
1,2-Dichloroethane	10.9	0.50	"	10.0		109	77-136			
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0		108	77-132			
Benzene	10.2	0.50	"	10.0		102	78-124			
Toluene	10.5	0.50	"	10.0		105	78-129			

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]
500 12th Street, Suite 200
Oakland CA, 94607

Project: ARCO #6041, Dublin, CA
Project Number: INTRIM - 50691
Project Manager: Scott Robinson

MMJ0074
Reported:
10/20/03 13:03

**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
Batch 3J14018 - EPA 5030B Modified									
Laboratory Control Sample (3J14018-BS1)				Prepared & Analyzed: 10/14/03					
Ethylbenzene	11.1	0.50	ug/l	10.0	111	84-117			
Xylenes (total)	33.9	0.50	"	30.0	113	83-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.67		"	5.00	113	78-129			
Laboratory Control Sample (3J14018-BS2)				Prepared & Analyzed: 10/14/03					
Gasoline Range Organics (C6-C10)	465	50	ug/l	440	106	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.74		"	5.00	115	78-129			
Laboratory Control Sample Dup (3J14018-BSD1)				Prepared: 10/14/03 Analyzed: 10/15/03					
Ethanol	205	100	ug/l	200	102	31-186	6.55	37	
tert-Butyl alcohol	58.8	20	"	50.0	118	0-206	0.854	22	
Methyl tert-butyl ether	10.4	0.50	"	10.0	104	63-137	6.35	13	
Di-isopropyl ether	10.4	0.50	"	10.0	104	76-130	5.13	9	
Ethyl tert-butyl ether	10.9	0.50	"	10.0	109	61-141	5.66	9	
tert-Amyl methyl ether	11.0	0.50	"	10.0	110	56-140	6.57	12	
1,2-Dichloroethane	11.3	0.50	"	10.0	113	77-136	3.60	13	
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0	110	77-132	1.83	9	
Benzene	10.4	0.50	"	10.0	104	78-124	1.94	12	
Toluene	10.1	0.50	"	10.0	101	78-129	3.88	10	
Ethylbenzene	10.6	0.50	"	10.0	106	84-117	4.61	10	
Xylenes (total)	31.5	0.50	"	30.0	105	83-125	7.34	11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.88		"	5.00	118	78-129			
Laboratory Control Sample Dup (3J14018-BSD2)				Prepared: 10/14/03 Analyzed: 10/15/03					
Gasoline Range Organics (C6-C10)	458	50	ug/l	440	104	70-113	1.52	9	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.70		"	5.00	114	78-129			
Matrix Spike (3J14018-MS1)				Source: MMI0777-15 Prepared: 10/14/03 Analyzed: 10/15/03					
Ethanol	205	100	ug/l	200	ND	102	31-186		
tert-Butyl alcohol	44.1	20	"	50.0	ND	88.2	0-206		
Methyl tert-butyl ether	9.45	0.50	"	10.0	ND	94.5	63-137		
Di-isopropyl ether	9.88	0.50	"	10.0	ND	98.8	76-130		
Ethyl tert-butyl ether	10.1	0.50	"	10.0	ND	101	61-141		
tert-Amyl methyl ether	10.3	0.50	"	10.0	ND	103	56-140		
1,2-Dichloroethane	11.3	0.50	"	10.0	ND	113	77-126		
1,2-Dibromoethane (EDB)	11.4	0.50	"	10.0	ND	114	77-132		
Benzene	10.1	0.50	"	10.0	ND	101	78-124		

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]
 500 12th Street, Suite 200
 Oakland CA, 94607

 Project: ARCO #6041, Dublin, CA
 Project Number: INTRIM - 50691
 Project Manager: Scott Robinson

 MMJ0074
 Reported:
 10/20/03 13:03

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 3J14018 - EPA 5030B Modified

Matrix Spike (3J14018-MS1)	Source: MMI0777-15			Prepared: 10/14/03		Analyzed: 10/15/03				
Toluene	10.1	0.50	ug/l	10.0	0.070	100	78-129			
Ethylbenzene	10.7	0.50	"	10.0	ND	107	84-117			
Xylenes (total)	21.6	0.50	"	30.0	ND	72.0	83-125			QM-07
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.53		"	5.00		111	78-129			

Matrix Spike Dup (3J14018-MSD1)	Source: MMI0777-15			Prepared: 10/14/03		Analyzed: 10/15/03				
Ethanol	194	100	ug/l	200	ND	97.0	31-186	5.51	37	
tert-Butyl alcohol	52.4	20	"	50.0	ND	105	0-206	17.2	22	
Methyl tert-butyl ether	10.2	0.50	"	10.0	ND	102	63-137	7.63	13	
Di-isopropyl ether	10.3	0.50	"	10.0	ND	103	76-130	4.16	9	
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	61-141	4.83	9	
tert-Amyl methyl ether	10.9	0.50	"	10.0	ND	109	56-140	5.66	12	
1,2-Dichloroethane	11.6	0.50	"	10.0	ND	116	77-126	2.62	13	
1,2-Dibromoethane (EDB)	11.2	0.50	"	10.0	ND	112	77-132	1.77	9	
Benzene	10.7	0.50	"	10.0	ND	107	78-124	5.77	12	
Toluene	10.2	0.50	"	10.0	0.070	101	78-129	0.985	10	
Ethylbenzene	10.8	0.50	"	10.0	ND	108	84-117	0.930	10	
Xylenes (total)	19.3	0.50	"	30.0	ND	64.3	83-125	11.2	11	QM-07, QR-07
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.66		"	5.00		113	78-129			



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

Project: ARCO #6041, Dublin, CA
Project Number: INTRIM - 50691
Project Manager: Scott Robinson

MMJ0074
Reported:
10/20/03 13:03

Notes and Definitions

- O-09 The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
- QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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



Chain of Custody Record

MM30074

Project Name 6041 GWM 030930-DW-2
BP BU/GEM CO Portfolio Retail

BP Laboratory Contract Number: Atlantic Richfield Company

Date: 9-30-03

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

On-site Time: 11:05 Temp: 75°
Off-site Time: 13:40 Temp: 80°
Sky Conditions: SUNNY
Meteorological Events:
Wind Speed: 0 Direction:

Consultant/Contractor: URS
Address: 500 12th St., Ste. 200
Oakland, CA 94609-4014
e-mail EDD: donna.cosp@URS Corp.com
Consultant/Contractor Project No.: J5-0006041.01 00127
Consultant Tele/Fax: 510-893-3600/510-874-3288
Consultant/Contractor PM: Scott Robinson
Invoice to: Consultant/Contractor of BP/GEM (Circle one)
BP/GEM Work Release No: INTRIM-50691

Send To:
Lab Name: SEQUOIA
Lab Address: 885 Jarvis Dr.
Morgan Hill, CA 95037
Lab PM: Theresa Allen
Tele/Fax: 408-776-9800 / 408-782-6308
Report Type & QC Level: 1 Send EBF Reports
BP/GEM Account No.:

BP/GEM Facility No.: ARCO 6041
BP/GEM Facility Address: 7249 Village PKWY, DUBLIN, CA
Site ID No. ARCO 6041
Site Lat/Long:
California Global ID #:
BP/GEM PM Contact: PAUL SUPPLE
Address: P.O. Box 6549
Moraga, CA 94570
Tele/Fax: 925-299-8891/925-299-8872

Lab Bottle Order 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 (8015)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DPE, TBA (8260)		1,2-DCA & EDB (8260)
1	MW-2	12:27		X			MM30074-01	3				X			X	X	X		
2	MW-3	12:58		X			-02	↓				X			X	X	X		
3	MW-4	12:18		X			-03	↓				X			X	X	X		
4	MW-6	13:10		X			-04	↓				X			X	X	X		
5	MW-8	12:47		X			-05	↓				X			X	X	X		
6	TB			X			-06	2				X			X	X	X		
7																			"ON HOLD"
8																			"ON HOLD" →
9																			new 9/30/03
10																			

Sampler's Name: Dave Walter
Sampler's Company: Blaine Tech Services
Date:
Method:
Tag No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<u>David C. [Signature]</u>	<u>10/1/03</u>	<u>1354</u>	<u>[Signature]</u>	<u>10/1/03</u>	<u>1354</u>
<u>[Signature]</u>	<u>9/1/03</u>	<u>1757</u>	<u>Cynthia [Signature]</u>	<u>10-1-03</u>	<u>1757</u>

Address Invoice to BP/GEM but send to URS for approval

Temperature Blank Yes No
Cooler Temperature on Receipt 26.0°C
Trip Blank Yes No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
 REC. BY (PRINT) AS
 WORKORDER: mm50674

DATE REC'D AT LAB: 10-1-03
 TIME REC'D AT LAB: 1757
 DATE LOGGED IN: 10-3-03

Drinking water for
 regulatory purposes: YES / NO
 Wastewater 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) <input checked="" type="radio"/> Present / <input type="radio"/> Absent <input type="radio"/> Intact / <input type="radio"/> Broken*	01		MW-2	(3) VOCS	HU	L	9-30-03	lot HA 324 CTV.0
	02		MW-3	↓	↓	↓	↓	
2. Chain-of-Custody <input checked="" type="radio"/> Present / <input type="radio"/> Absent*	03		MW-4					
3. Traffic Reports or Packing List: <input type="radio"/> Present / <input checked="" type="radio"/> Absent	04		MW-6					
	05		MW-8	↓	↓	↓	↓	
4. Airbill: <input type="radio"/> Airbill / <input type="radio"/> Sticker <input type="radio"/> Present / <input checked="" type="radio"/> Absent	06		TB	(2) VOCS	↓	↓	↓	
5. Airbill #:								
6. Sample Labels: <input checked="" type="radio"/> Present / <input type="radio"/> Absent								
7. Sample IDs: <input checked="" type="radio"/> Listed / <input type="radio"/> Not Listed on Chain-of-Custody								
8. Sample Condition: <input checked="" type="radio"/> Intact / <input type="radio"/> Broken* / <input type="radio"/> Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
10. Sample received within hold time: <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
11. Proper Preservatives used: <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
12. Temp Rec. at Lab: <u>3.6 °C</u> Is temp 4 ± 2 °C? <input checked="" type="radio"/> Yes / <input type="radio"/> No** <small>(Acceptance range for samples requiring thermal pres.)</small>								
**Exception (if any): Metals / DFF (Direct From Field) Problem COC								

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

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

10/22/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #6041, Dublin, CA
Work Order Number:	MMJ0074
Global ID:	NA
Lab Report Number:	MMJ0074102020031303

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MMJ00741020200	MW-2	MMJ007401	W	CS	8260TPH	SW5030B	09/30/03	10/14/03	10/14/03	3J14018	1	
	31303											
MMJ00741020200	MW-3	MMJ007402	W	CS	8260TPH	SW5030B	09/30/03	10/14/03	10/14/03	3J14018	1	
	31303											
MMJ00741020200	MW-4	MMJ007403	W	CS	8260TPH	SW5030B	09/30/03	10/11/03	10/12/03	3J11010	1	
	31303											
MMJ00741020200	MW-6	MMJ007404	W	CS	8260TPH	SW5030B	09/30/03	10/11/03	10/12/03	3J11010	1	
	31303											
MMJ00741020200	MW-8	MMJ007405	W	CS	8260TPH	SW5030B	09/30/03	10/14/03	10/14/03	3J14001	1	
	31303											
		MMI077715	W	NC	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14018	1	
		MMJ008601	W	NC	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1	
		3J11010BSD1	WQ	BD1	8260TPH	SW5030B	//	10/11/03	10/12/03	3J11010	1	
		3J11010BSD2	WQ	BD2	8260TPH	SW5030B	//	10/11/03	10/12/03	3J11010	1	
		3J11010BS1	WQ	BS1	8260TPH	SW5030B	//	10/11/03	10/11/03	3J11010	1	
		3J11010BS2	WQ	BS2	8260TPH	SW5030B	//	10/11/03	10/11/03	3J11010	1	
		3J11010BLK1	WQ	LB1	8260TPH	SW5030B	//	10/11/03	10/11/03	3J11010	1	
		3J14001BSD1	WQ	BD1	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14001	1	
		3J14001BSD2	WQ	BD2	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14001	1	
		3J14001BS1	WQ	BS1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1	
		3J14001BS2	WQ	BS2	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1	
		3J14001BLK1	WQ	LB1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1	
		3J14001MS1	W	MS1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1	
		3J14001MSD1	W	SD1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1	
		3J14018BSD1	WQ	BD1	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14018	1	
		3J14018BSD2	WQ	BD2	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14018	1	
		3J14018BS1	WQ	BS1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14018	1	
		3J14018BS2	WQ	BS2	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14018	1	
		3J14018BLK1	WQ	LB1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14018	1	
		3J14018MS1	W	MS1	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14018	1	
		3J14018MSD1	W	SD1	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14018	1	

EDFSAMP: Error Summary Log

10/22/03

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

EDFTEST: Error Summary Log

10/22/03

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
There are no errors in this data file					11	0

EDFRES: Error Summary Log

10/22/03

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

EDFQC: Error Summary Log

10/22/03

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

EDFCL: Error Summary Log

10/22/03

Error type	Clevdate	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: 5734995305

Date/Time of Submittal: 10/22/2003 11:17:59 AM

Facility Global ID: T0600100109

Facility Name: ARCO

Submittal Title: Third Quarter 03 Ground Water Monitoring Site #6041

Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND
(CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

AB2886 Electronic Delivery

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

UPLOADING A GEO_WELL FILE

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

Submittal Title: Third Quarter 03 Geowell for site #6041

Submittal Date/Time: 10/22/2003 11:20:08 AM

Confirmation Number: 4238540470

[Back to Main Menu](#)

Logged in as URSCORP-OAKLAND
(CONTRACTOR)

[CONTACT SITE ADMINISTRATOR.](#)

ATTACHMENT F

WELL ELVATION SURVEY DATA

AB2886 Electronic Delivery

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

UPLOADING A GEO_XY FILE

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

Submittal Title: GEO_XY Site 6041
Submittal Date/Time: 10/22/2003 3:23:36 PM
Confirmation Number: 4213429093

[Back to Main Menu](#)

Logged in as URSCORP-OAKLAND
(CONTRACTOR)

[CONTACT SITE ADMINISTRATOR.](#)

AB2886 Electronic Delivery

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

UPLOADING A GEO_Z FILE

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

<u>Submittal Title:</u>	GEO_Z Site 6041
<u>Submittal Date/Time:</u>	10/22/2003 3:25:04 PM
<u>Confirmation Number:</u>	9860676407

[Back to Main Menu](#)

Logged in as URSCORP-OAKLAND
(CONTRACTOR)

[CONTACT SITE ADMINISTRATOR.](#)

