URS

January 28, 2003

Ms. Eva Chu
Hazardous Materials Speacialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Third Quarter 2002 Groundwater Monitoring Report
ARCO Service Station #6041
7249 Village Parkway
Dublin, Califrornia
URS Project #38465976

Dear Ms. Chu:

On behalf of Atlantic Richfield Company (ARCO - an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Third Quarter 2002 Groundwater Monitoring Report* for 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

REGISTERED PROFESSIONAL ENGINEER
AMY BRECKENRIDGE
No. C057141
Exp. 12/31/05
CIVIL
STATE OF CALIFORNIA

Amy P. Breckenridge, P.E.
Portfolio Mananger

Enclosure: Third Quarter 2002 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, PO Box 6549, Moraga, California 94570
Ms. Karen Petryna, Equiva Services, LLC, PO Box 7869, Burbank, California 91510-7869

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REPORT

THIRD QUARTER 2002 GROUNDWATER MONITORING

ARCO SERVICE STATION #6041
7249 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

Prepared for
Atlantic Richfield Company

January 28, 2003

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

38465976

Date: January 28, 2003

Quarter: 3Q 02

ATLANTC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	6041	Address:	7249 Village Parkway, Dublin, CA
ARCO Environmental Engineer:			Paul Supple
Consulting Co./Contact Person:			URS Corporation/ Scott Robinson
Consultant Project No.:			38465976
Primary Agency:			ACHCSA

WORK PERFORMED THIS QUARTER (Third – 2002):

1. Performed third quarter 2002 groundwater monitoring event.
2. Prepare second quarter 2002 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2002):

1. Perform fourth quarter 2002 groundwater monitoring event.
2. Prepare third quarter 2002 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-2, MW-3, & MW-4 Quarterly
	Wells MW-5 & MW-6 Annually
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None
Bulk Soil Removed to Date:	3,208 cubic yards
Approximate Depth to Groundwater:	7.94 (MW-4) to 9.44 (MW-5) feet
Groundwater Gradient (direction):	South
Groundwater Gradient (magnitude):	0.013 feet per foot

DISCUSSION:

TPH-g was detected in three of the five wells sampled this quarter at concentrations ranging from 250 µg/L (MW-2) to 1,500 µg/L (MW-3). Benzene was detected in two wells at concentrations of 41 µg/L (MW-3) and 120 µg/L (MW-8). MTBE was detected in four wells at concentrations ranging from 2.9 µg/L (MW-4) to 1,500 µg/L (MW-2). Well MW-7 was not sampled because the well was dry. The groundwater flow direction was to the south at a calculated hydraulic gradient of 0.013 feet per foot.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 23, 2002
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – EDCC Report and EDF/Geowell Submittal Confirmation

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, Califronia

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 (mg/L)	Purged/ Not Purged (P/NP)
MW-1	02/15/95	336.56	8.53	328.03	820	15	<1	5.2	1.4	--	--		
MW-1	05/24/95	336.56	9.00	327.56	640	12	<1	7.3	<1	--	--		
MW-1	08/25/95	336.56	10.30	326.26	780	2	<1	2	2	2,500	--		
MW-1	11/28/95	336.56	11.01	325.55	570	2.2	<0.5	1.4	0.9	--	--		
MW-1	02/26/96	336.56	7.35	329.21	1,100	28	<7	13	7	3,400	--		
MW-1	05/23/96	336.56	8.73	327.83	560	8.5	<1	1.1	<1	3,900	--		
MW-1	08/23/96	336.56	10.25	326.31	860	<1	<1	<4	2	5,600	--		
MW-1	03/21/97	336.56	9.35	327.21	520	12	<0.5	2.7	1.5	6,200	--		
MW-1	08/20/97	336.56	10.75	325.81	<5,000	<50	<50	<50	<50	7,400	--		
MW-1	11/21/97	336.56	11.10	325.46	<5,000	<50	<50	<50	<50	8,500	--		
MW-1	02/12/98	336.56	7.05	329.51	210	<0.5	<0.5	<0.5	<0.5	8,900	--	1.71	P
MW-1	07/31/98	336.56	10.04	326.52	<20,000	<200	<200	<200	<200	18,000	--	2.43	P
MW-1	02/17/99	336.56	8.50	328.06	<20,000	<200	<200	<200	<200	16,000	--	1.0	
MW-1	08/24/99	336.56	10.40	326.16	190	<0.5	4.4	<0.5	1.1	15,000	--		P
MW-1	03/01/00	336.56	8.85	327.71	310	20	0.5	7.6	4	80,000	--	1.57	P
MW-1	08/18/00	336.56	9.35	327.21	<10,000	<100	<100	<100	<100	48,400	63,700	1.50	P
MW-1	12/27/00	336.56	10.81	325.75	<10,000	309	<100	<100	289	44,400	--	0.51	P
MW-1	02/09/01	336.56	10.65	325.91	2,820	368	<25.0	116	176	23,300	--	0.58	P
DUP	02/09/01	NR	NR	NR	3,490	432	9.56	146	235	31,800	--		
MW-1	04/17/01	336.56	11.09	325.47	2,900	66.0	<10.0	33.2	25.1	46,500	--	0.63	P
DUP	04/17/01	NR	NR	NR	2,600	70.1	<20.0	32.7	30.6	45,400	--		
MW-1	07/17/01	336.56	11.07	325.49	<10,000	<100	<100	130	520	42,000	--	0.69	P
MW-1	12/21/01	Well abandoned during station upgrade activities											

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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 (mg/L)	Purged/ Not Purged (P/NP)
MW-2	02/15/95	334.80	6.75	328.05	730	110	1.7	25	66	--	--		
MW-2	05/24/95	334.80	6.88	327.92	370	110	<1	17	1.9	--	--		
MW-2	08/25/95	334.80	7.91	326.89	150	6	<1	<1	<1	2,700	--		
MW-2	11/28/95	334.80	9.06	325.74	<50	<0.5	<0.5	<0.5	0.8	--	--		
MW-2	02/26/96	334.80	6.65	328.15	350	66	<0.5	11	1.7	<3	--		
MW-2	05/23/96	334.80	6.90	327.90	540	140	<2.5	13	<2.5	4,600	--		
MW-2	08/23/96	334.80	8.45	326.35	180	0.8	2	0.7	2.6	4,000	--		
MW-2	03/21/97	334.80	7.28	327.52	410	90	<1	14	4	3,800	--		
MW-2	08/20/97	334.80	8.87	325.93	<5,000	<50	<50	<50	<50	3,100	--		
MW-2	11/21/97	334.80	9.28	325.52	<2,000	<20	<20	<20	<20	2,600	--		
MW-2	02/12/98	334.80	5.90	328.90	310	54	<0.5	6.2	1.1	3,800	--	3.76	P
MW-2	07/31/98	334.80	8.12	326.68	6,100	52	220	110	1100	7,700	--	2.96	P
MW-2	02/17/99	334.80	7.18	327.62	<5,000	<50	<50	<50	<50	4,200	--	1.0	P
MW-2	08/24/99	334.80	8.68	326.12	200	1.8	16	3.0	32	3,100	--		P
MW-2	03/01/00	334.80	7.02	327.78	760	24	12	13	59	6,300	--	1.92	P
MW-2	08/18/00	334.80	7.75	327.05	<500	<5.00	<5.00	<5.00	<5.00	1,610	1,980	2.03	P
MW-2	12/27/00	334.80	8.85	325.95	Not Sampled: Well sampled during first and third quarters								
MW-2	02/09/01	334.80	8.50	326.30	<50.0	<0.500	<0.500	<0.500	<0.500	9.11	--	0.53	P
MW-2	04/17/01	334.80	9.12	325.68	Not Sampled: Well sampled during first and third quarters								
MW-2	07/17/01	334.80	8.99	325.81	1,200	<10	<10	<10	<10	4,200	--	0.69	P
DUP	07/17/01	NR	NR	NR	3,500	<10	<10	<10	<10	3,500	--		
MW-2	12/21/01	334.80	8.65	326.15	65	<0.50	1.2	0.61	6.7	11	6.5	0.48	NP
MW-2	03/06/02	334.80	8.61	326.19	<50	<0.50	<0.50	<0.50	1.8	31	--	0.35	NP
MW-2	04/26/02	334.80	8.20	326.60	92	<0.5	<0.50	<0.50	0.64	98	180	0.19	NP
MW-2	**09/23/02**	**334.80**	**8.50***	**326.30***	**250** [1]	**<1.2**	**<1.2**	**<1.2**	**<1.2**	**NA**	**1,500**	**2.1**	**P**

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Dublin, Califronia

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 (mg/L)	Purged/ Not Purged (P/NP)
MW-3	02/15/95	335.53	8.55	326.98	100	14	<0.5	6.3	<0.5	--	--		
MW-3	05/24/95	335.53	8.17	327.36	110	8	<0.5	2.7	<0.5	--	--		
MW-3	08/25/95	335.53	9.27	326.26	210	3.6	<0.5	2.9	0.6	20,000	--		
MW-3	11/28/95	335.53	9.91	325.62	81	1.5	<0.5	1.4	<0.5	--	15,000		
MW-3	02/26/96	335.53	8.42	327.11	16,000	1,600	1,200	300	2,000	9,500	--		
MW-3	05/23/96	335.53	7.70	327.83	6,500	690	<10	120	14	8,600	--		
MW-3	08/23/96	335.53	9.25	326.28	1,700	85	2	61	5.3	11,000	--		
MW-3	03/21/97	335.53	8.72	326.81	100	2	<1	1	<1	6,600	--		
MW-3	08/20/97	335.53	9.73	325.80	<5,000	<50	<50	<50	<50	7,700	--		
MW-3	11/21/97	335.53	10.10	325.43	<5,000	<50	<50	<50	<50	9,700	--		
MW-3	02/12/98	335.53	6.68	328.85	110	11	<0.5	<0.5	1.9	10,000	--	1.02	P
MW-3	07/31/98	335.53	7.98	327.55	<10,000	<100	<100	<100	<100	13,000	--	2.59	P
MW-3	02/17/99	335.53	8.40	327.13	<20,000	<200	<200	<200	<200	23,000	--	1.0	P
MW-3	08/24/99	335.53	9.45	326.08	200	0.6	5.6	0.6	1.7	22,000	--		P
MW-3	03/01/00	335.53	8.32	327.21	320	32	1.0	6.1	4	58,000	--	2.42	P
MW-3	08/18/00	335.53	8.35	327.18	<10,000	<100	<100	<100	<100	46,200	55,600	1.59	P
DUP	08/18/00	NR	NR	NR	<10,000	<100	<100	<100	<100	45,500	51,700		
MW-3	12/27/00	335.53	9.75	325.78	29,700	1,620	1,730	<250	6,230	62,600	--	1.59	P
MW-3	02/09/01	335.53	9.61	325.92	29,300	2,590	3,530	440	7,080	85,500	--	0.51	P
MW-3	04/17/01	335.53	9.94	325.59	16,400	1,680	<25.0	310	2,290	48,700	--	0.41	P
MW-3	07/17/01	335.53	9.93	325.60	21,000	1,500	<100	1,100	690	82,000	--	0.51	P
MW-3	12/21/01	335.53	9.40	326.13	<5,000	<50	<50	<50	<50	4,300	3,800	0.40	P
DUP	12/21/01	NR	NR	NR	<5,000	<50	<50	<50	<50	4,500	3,500		
MW-3	03/06/02	335.53	9.33	326.20	<50	1.2	<0.50	1.1	13	880	--	0.43	P
MW-3	04/26/02	335.53	9.19	326.34	260	3.7	<1.0	1.1	1.80	460	940	0.2	P
MW-3	**09/23/02**	**335.53**	**9.30***	**326.23***	**1,500 [2]**	**41**	**2.4**	**9.8**	**14**	**NA**	**980**	**1.5**	**P**

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Dublin, Califronia

Well Number	Date of Sampling/Monitoring	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (fl-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 (mg/L)	Purged/ Not Purged (P/NP)
MW-4	02/15/95	334.22	7.85	326.37	<50	<0.5	<0.5	<0.5	<0.5	--	--		
MW-4	05/24/95	334.22	6.68	327.54	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-4	08/25/95	334.22	6.93	327.29	<50	<0.5	<0.5	<0.5	<0.5	<3	--		
MW-4	11/28/95	334.22	8.21	326.01	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-4	02/26/96	334.22	6.65	327.57	<50	<0.5	<0.5	<0.5	<0.5	<3	--		
MW-4	05/23/96	334.22	6.47	327.75	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-4	08/23/96	334.22	7.66	326.56	Not sampled: well not part of sampling program								
MW-4	03/21/97	334.22	6.84	327.38	Not sampled: well not part of sampling program								
MW-4	08/20/97	334.22	8.32	325.90	Not sampled: well not part of sampling program								
MW-4	11/21/97	334.22	8.65	325.57	Not sampled: well not part of sampling program								
MW-4	02/12/98	334.22	6.35	327.87	Not sampled: well not part of sampling program								
MW-4	07/31/98	334.22	6.84	327.38	Not sampled: well not part of sampling program								
MW-4	02/17/99	334.22	7.50	326.72	Not sampled: well not part of sampling program								
MW-4	08/24/99	334.22	9.50	324.72	Not sampled: well not part of sampling program								
MW-4	03/01/00	334.22	6.93	327.29	Not sampled: well not part of sampling program								
MW-4	08/18/00	334.22	7.03	327.19	Not sampled: well not part of sampling program								
MW-4	12/27/00	334.22	8.10	326.12	Not sampled: well not part of sampling program								
MW-4	02/09/01	334.22	7.97	326.25	Not sampled: well not part of sampling program								
MW-4	04/17/01	334.22	8.90	325.32	Not sampled: well not part of sampling program								
MW-4	07/17/01	334.22	8.59	325.63	Not sampled: well not part of sampling program								
MW-4	12/21/01	334.22	8.31	325.91	<50	<0.50	<0.50	<0.50	<0.50	4.1	2.0	0.68	NP
MW-4	03/06/02	334.22	8.27	325.95	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	0.37	P
MW-4	04/26/02	334.22	8.05	326.17	<50	<0.50	<0.50	<0.50	<0.50	3.6	--	0.3	P
MW-4	**09/23/02**	**334.22**	**7.94**	**326.28**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**2.9**	**4.1**	**P**

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Dublin, Califronia

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 (mg/L)	Purged/ Not Purged (P/NP)
MW-5	02/15/95	335.87	7.80	328.07	<50	<0.5	<0.5	<0.5	<0.5	--	--		
MW-5	05/24/95	335.87	8.10	327.77	Not sampled: well sampled annually, during the first quarter								
MW-5	08/25/95	335.87	9.43	326.44	Not sampled: well sampled annually, during the first quarter								
MW-5	11/28/95	335.87	10.12	325.75	Not sampled: well sampled annually, during the first quarter								
MW-5	02/26/96	335.87	6.73	329.14	03-13-96	<0.5	<0.5	<0.5	<0.5	<3	--		
MW-5	05/23/96	335.87	7.87	328.00	Not sampled: well sampled annually, during the first quarter								
MW-5	08/23/96	335.87	9.46	326.41	Not sampled: well not part of sampling program								
MW-5	03/21/97	335.87	8.23	327.64	Not sampled: well not part of sampling program								
MW-5	08/20/97	335.87	9.92	325.95	Not sampled: well not part of sampling program								
MW-5	11/21/97	335.87	10.18	325.69	Not sampled: well not part of sampling program								
MW-5	02/12/98	335.87	6.45	329.42	Not sampled: well not part of sampling program								
MW-5	07/31/98	335.87	8.98	326.89	Not sampled: well not part of sampling program								
MW-5	02/17/99	335.87	7.65	328.22	Not sampled: well not part of sampling program								
MW-5	08/24/99	335.87	8.10	327.77	Not sampled: well not part of sampling program								
MW-5	03/01/00	335.87	7.31	328.56	Not sampled: well not part of sampling program								
MW-5	08/18/00	335.87	8.65	327.22	Not sampled: well not part of sampling program								
MW-5	12/27/00	335.87	9.80	326.07	Not sampled: well not part of sampling program								
MW-5	02/09/01	335.87	9.65	326.22	Not sampled: well not part of sampling program								
MW-5	04/17/01	335.87	9.92	325.95	Not sampled: well not part of sampling program								
MW-5	07/17/01	335.87	9.95	325.92	Not sampled: well not part of sampling program								
MW-5	12/21/01	335.87	Well inaccessible										
MW-5	03/06/02	335.87	Well inaccessible										
MW-5	04/26/02	335.87	Well inaccessible										
MW-5	**09/23/02**	**335.87**	**7.94**	**327.93**	**Not sampled: well not part of sampling program**								

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ARCO Service Station #6041
7249 Village Parkway
Dublin, Califronia

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 (mg/L)	Purged/ Not Purged (P/NP)
MW-6	02/15/95	335.84	7.81	328.03	<50	<0.5	<0.5	<0.5	<0.5	- -	- -		
MW-6	05/24/95	335.84	8.35	327.49	Not sampled: well sampled annually, during the first quarter								
MW-6	08/25/95	335.84	9.71	326.13	Not sampled: well sampled annually, during the first quarter								
MW-6	11/28/95	335.84	10.28	325.56	Not sampled: well sampled annually, during the first quarter								
MW-6	02/26/96	335.84	6.60	329.24	<50	<0.5	<0.5	<0.5	<0.5	<3	- -		
MW-6	05/23/96	335.84	8.05	327.79	Not sampled: well sampled annually, during the first quarter								
MW-6	08/23/96	335.84	9.58	326.26	Not sampled: well not part of sampling program								
MW-6	03/21/97	335.84	8.39	327.45	Not sampled: well not part of sampling program								
MW-6	08/20/97	335.84	9.98	325.86	Not sampled: well not part of sampling program								
MW-6	11/21/97	335.84	10.31	325.53	Not sampled: well not part of sampling program								
MW-6	02/12/98	335.84	3.15	332.69	Not sampled: well not part of sampling program								
MW-6	07/31/98	335.84	9.29	326.55	Not sampled: well not part of sampling program								
MW-6	02/17/99	335.84	7.72	328.12	Not sampled: well not part of sampling program								
MW-6	08/24/99	335.84	9.65	326.19	Not sampled: well not part of sampling program								
MW-6	03/01/00	335.84	7.35	328.49	Not sampled: well not part of sampling program								
MW-6	08/18/00	335.84	8.65	327.19	Not sampled: well not part of sampling program								
MW-6	12/27/00	335.84	9.83	326.01	Not sampled: well not part of sampling program								
MW-6	02/09/01	335.84	9.62	326.22	Not sampled: well not part of sampling program								
MW-6	04/17/01	335.84	10.03	325.81	Not sampled: well not part of sampling program								
MW-6	07/17/01	335.84	9.95	325.89	Not sampled: well not part of sampling program								
MW-6	12/21/01	335.84	9.47	326.37	<50	<0.50	<0.50	<0.50	0.57	<2.5	- -	0.55	NP
MW-6	03/06/02	335.84	9.31	326.53	<50	<0.50	<0.50	<0.50	<0.50	<5.0	- -	0.33	P
MW-6	04/26/02	335.84	9.09	326.75	<50	<0.50	<0.50	<0.50	0.7	<2.5	- -	0.31	P
MW-6	**09/23/02**	**335.84**	**9.14**	**326.70**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<0.50**	**2.1**	**P**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, Califronia

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 (mg/L)	Purged/ Not Purged (P/NP)
MW-7	12/21/01	NR	NR	NR	Not sampled: well dry								
MW-7	03/06/02	NR	NR	NR	Not sampled: well dry								
MW-7	04/26/02	NR	NR	NR	Not sampled: well dry								
MW-7	**09/23/02**	**NR**	**NR**	**NR**	**Not sampled: well dry**								

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, Califronia

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 (mg/L)	Purged/ Not Purged (P/NP)
MW-8	12/21/01	NR	8.70	NR	<5,000	67	<50	<50	<50	2,400	1,300	0.60	NP
MW-8	03/06/02	NR	8.63	NR	210	41	0.64	0.79	2.0	940	--	0.25	P
DUP	03/06/02	NR	NR	NR	170	37	0.67	0.70	1.9	740	--		
MW-8	04/26/02	NR	8.15	NR	680	95	<1.0	14	2.5	490	--	0.31	P
DUP	04/26/02	NR	NR	NR	480	74	3.5	11.00	<1.0	640	--		
MW-8	**09/30/02**	**NR**	**9.37**	**NR**	**1,100** [3]	**120**	**<5.0**	**57**	**8.7**	**NA**	**1,100**	**1.3**	**P**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, Califronia

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 (mg/L)	Purged/ Not Purged (P/NP)
VW-2	03/21/97	NR	8.22	NR	150	8.9	<0.5	<0.5	0.6	270	- -		
VW-2	08/20/97	NR	9.16	NR	Not sampled: well not part of sampling program								
VW-2	11/21/97	NR	8.27	NR	<200	3	<2	<2	<2	180	- -		
VW-2	02/12/98	NR	6.65	NR	200	19	<0.5	0.6	<0.5	2,200	- -		
VW-2	07/31/98	NR	7.01	NR	Not sampled: well not part of sampling program								
VW-2	02/17/99	NR	8.47	NR	Not sampled: well not part of sampling program								
VW-2	08/24/99	NR	8.20	NR	Not sampled: well not part of sampling program								
VW-2	03/01/00	NR	8.72	NR	Not sampled: well not part of sampling program								
VW-2	08/18/00	NR	8.40	NR	<250	<2.50	<2.50	<2.50	<2.50	537	- -	1.59	NP
VW-2	12/27/00	NR	8.95	NR	Not sampled: Well Dry								
VW-2	02/09/01	NR	8.87	NR	Not sampled: Well Dry								
VW-2	04/17/01	NR	9.00	NR	Not sampled: Well Dry								
VW-2	07/17/01	NR	8.97	NR	Not sampled: Well Dry								
VW-2	12/21/01	Well abandoned during station upgrade activities											

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, Califronia

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 (mg/L)	Purged/ Not Purged (P/NP)
Shell MW-6	12/27/00	NR	9.13	NR	74.7	<0.500	<0.500	<0.500	<0.500	<2.50	- -	1.30	P
DUP	12/27/00	NR	NR	NR	79.3	<0.500	<0.500	<0.500	<0.500	<2.50	- -		
Shell MW-6	02/09/01	NR	9.05	NR	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	- -	1.29	P
Shell MW-6	04/17/01	NR	10.17	NR	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	- -	0.95	P
Shell MW-6	07/17/01	NR	9.50	NR	<50	<0.50	<0.50	<0.50	<0.50	4.2	- -	1.03	P
Shell MW-6	12/21/01	NR	9.98	NR	<50	<0.50	<0.50	<0.50	<0.50	<2.5	- -	0.97	P
Shell MW-6	03/06/02	NR	9.90	NR	<50	<0.50	<0.50	<0.50	<0.50	<5.0	- -	0.97	P
Shell MW-6	04/26/02	NR	9.47	NR	<50	<0.50	<0.50	<0.50	<0.50	<2.5	- -	0.97	P
Shell MW-6	**09/27/02**	**Well destroyed**											

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, Califronia

Well Number	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 (mg/L)	Purged/ Not Purged (P/NP)
Shell MW-7	12/27/00	NR	6.45	NR	<50.0	<0.500	0.696	<0.500	0.795	<2.50	- -	1.33	P
Shell MW-7	02/09/01	NR	6.39	NR	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	- -	1.13	P
Shell MW-7	04/17/01	NR	7.22	NR	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	- -	1.12	P
Shell MW-7	07/17/01	NR	6.93	NR	<50	<0.50	<0.50	<0.50	<0.50	<2.5	- -	1.05	P
Shell MW-7	12/21/01	NR	7.15	NR	<50	<0.50	<0.50	<0.50	<0.50	<2.5	- -		P
Shell MW-7	03/06/02	NR	7.03	NR	<50	<0.50	<0.50	<0.50	<0.50	<5.0	- -	0.95	P
Shell MW-7	04/26/02	NR	7.15	NR	<50	<0.50	<0.50	<0.50	<0.50	<2.5	- -	0.95	P
Shell MW-7	**09/27/02**	**Well destroyed**											

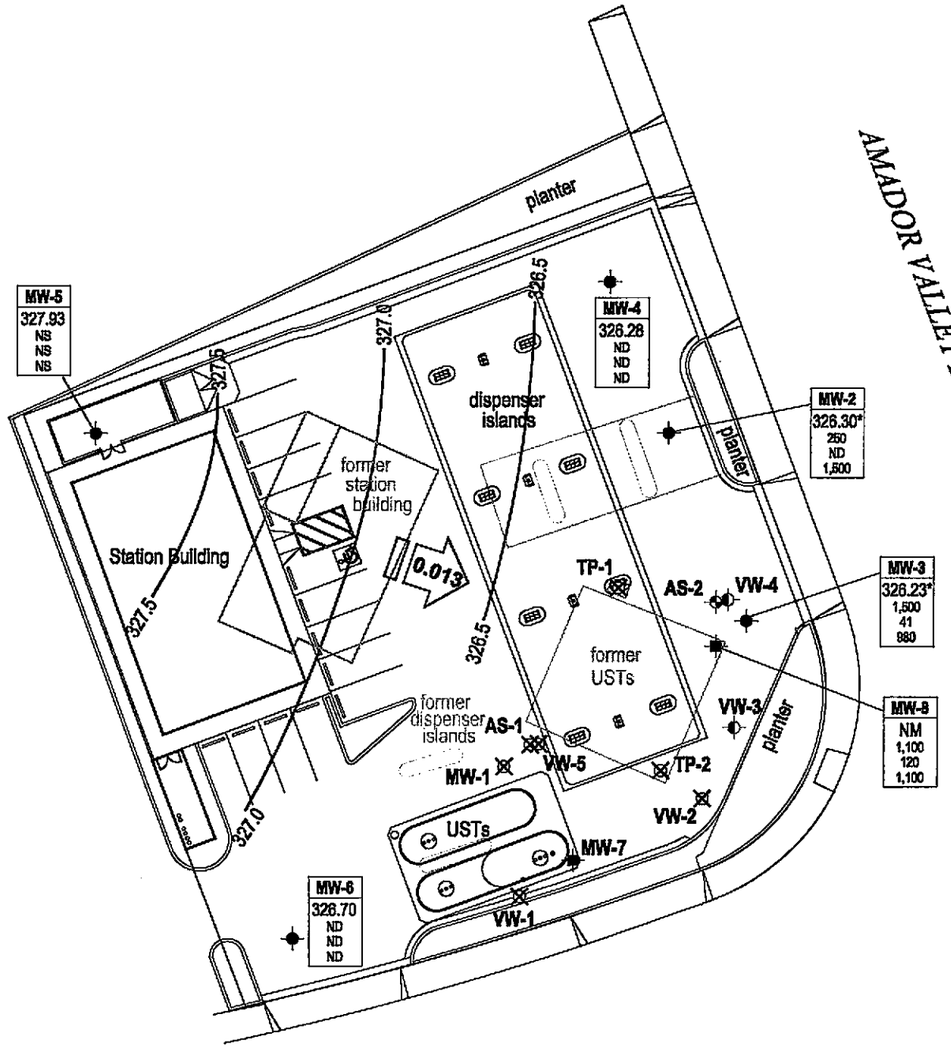
Notes:
TOC: top of casing
ft-MSL: elevation in feet, relative to mean sea level
TPH: total petroleum hydrocarbons, California DHS LUFT Method
BTEX: benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 03/01/00).
MTBE: Methyl tert-butyl ether
EPA: United States 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
<: denotes concentration not present at or above laboratory detection limit stated to the right.
**: 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
* = well casing broken, TOC unknown.
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.

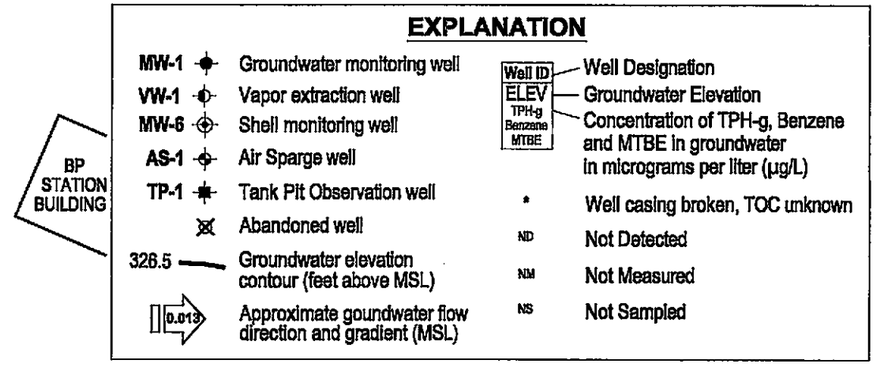
Table 2
Groundwater Flow Direction and Gradient

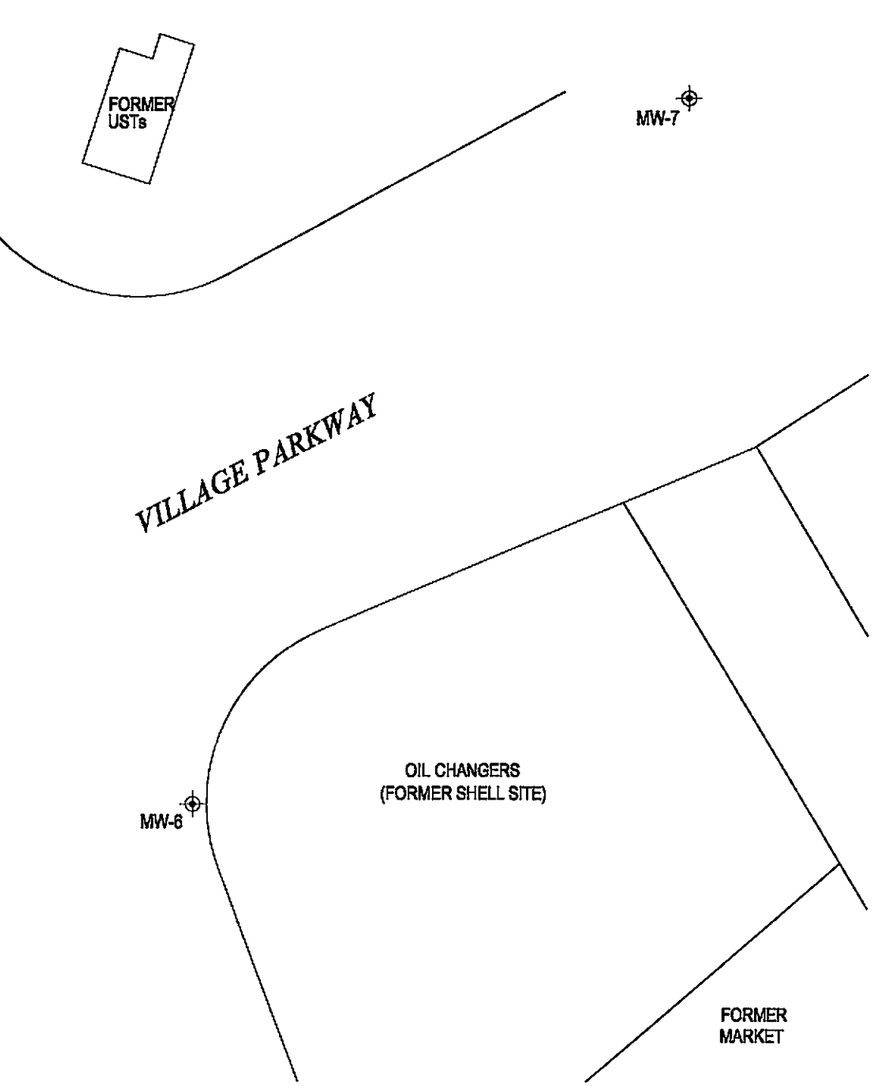
ARCO Service Station #6041
7249 Village Parkway
Dublin, California

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**

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







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

URS	Project No. 38465976 Arco Service Station #6041 7249 Village Parkway Dublin, California	Groundwater Elevation Contour and Analytical Summary Map Third Quarter 2002 (September 23, 2002)	FIGURE 1

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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 # 020923-BA2 Date 9/23/02 Client ARCO 6041

Site 7849 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	
MW-2	4					8.50*	9.60*	TOC	
MW-3	4	snagged w/ stinger in well				9.30*	14.10*		Stinger
MW-4	4					7.94	14.56		
MW-5	4					9.44	17.53		
MW-6	4					9.14	12.34		
MW-7	4	DRY				—	8.16		
MW-8	4					9.37	12.66		
SHELL MW-6		well destroyed							
SHELL MW-7		well destroyed							

* casing broken - TOC unknown

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020923-BA2	Station # 6041
Sampler: Brian Allord	Date: 9/23/02
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: ~~9.52~~ 9.60	Depth to Water: ~~9.60~~ 8.50
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	radius² * 0.163

Purge Method: Bailer (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: ___

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: ___

Top of Screen: 10'

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

0.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 2.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1319	78.9	7.4	2553	0.75	cloudy gray/brown sandy/gravel
Dewatered				1	DTW 9.10
1355	81.2	7.3	3304	—	DTW 8.55
Note: Very difficult to bail due to gravel at bottom of well - keeps interfering w/ check-valve.					

Did well dewater? (Yes) No Gallons actually evacuated: 1

Sampling Time: 1355 Sampling Date: 9/23/02

Sample I.D.: MW-2 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYS, ETHANOL, 1,2-DCA + EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	2.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020923-BA2	Station # 6041
Sampler: Brian Allen	Date: 9/23/02
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.10	Depth to Water: 9.30
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	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (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.

3.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1332	85.6	7.5	2369	3	cloudy brown
Dewatered				4	DTW 12.20
1410	80.9	7.6	1304	—	DTW 9.55

Did well dewater? (Yes) No Gallons actually evacuated: 4

Sampling Time: 1410 Sampling Date: 9/23/02

Sample I.D.: MW-3 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYS, ETHANOL, 1,2-DCA + EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:) 1.5	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020923-BA2	Station # 6041
Sampler: Brian Allgeier	Date: 9/23/02
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.56	Depth to Water: 7.94
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	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (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.

4.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 12.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1253	78.1	7.9	3736	4.5	cloudy brown
Dewatered				8	DTW 12.33
1340	79.8	7.3	4453	—	DTW 8.25

Did well dewater? (Yes) No Gallons actually evacuated: 8

Sampling Time: 1340 Sampling Date: 9/23/02

Sample I.D.: MW-4 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYS, ETHANOL, 1,2-DCA + EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:) 4.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020923-BA2	Station # 6041
Sampler: Brian Allen	Date: 9/23/02
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 12.34	Depth to Water: 9.14
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	radius² * 0.163

Purge Method: Bailer / (Disposable Bailer) / Middleburg / (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.

2.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1433	77.5	7.3	3038	2	cloudy brown
1440	76.6	7.1	3266	4	" gravel/sand
Dewatered				4	
1445	78.4	7.4	3328	GRAB SAMPLE @ DEPARTURE	DTW 11.35
					DTW 11.35

Note: Difficult to bail due to gravel interfering w/ check valve

Did well dewater? (Yes) No Gallons actually evacuated: 4

Sampling Time: 1445 Sampling Date: 9/23/02

Sample I.D.: MW-6 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYS, ETHANOL, 1,2-DCA + EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	2.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020923-BA2	Station # 6041
Sampler: BRIAN ALLORD	Date: 9/23/02
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 8.16	Depth to Water: —
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	radius² * 0.163

Purge Method: Bailer ~~Disposable Bailer~~ Middleburg ~~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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
WELL DRY					

Did well dewater? Yes (No) Gallons actually evacuated: Ø

Sampling Time: — Sampling Date: 9/23/02

Sample I.D.: — Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYS, ETHANOL, 1,2-DCA + EDB

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020923-BA2	Station # 6041
Sampler: Brian Allen	Date: 9/23/02
Well I.D.: Shell MW-6	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: —	Depth to Water: —
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	radius² * 0.163

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Middleburg~~ ~~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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
Well Destroyed					

Did well dewater? Yes (No) Gallons actually evacuated: Ø

Sampling Time: — Sampling Date: 9/23/02

Sample I.D.: SH Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys, Ethanol, 1,2-DCA + EDB

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020923-BA2	Station # 6041
Sampler: Brian Allen	Date: 9/23/02
Well I.D.: Shell MW-7	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: —	Depth to Water: —
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	radius² * 0.163

Purge Method: Bailer / ~~Disposable Bailer~~ / ~~Middleburg~~ / ~~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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
Well Destroyed					

Did well dewater? Yes (No) Gallons actually evacuated: Ø

Sampling Time: — Sampling Date: 9/23/02

Sample I.D.: — Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXYS, ETHANOL, 1,2-DCA + EDB

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

O.R.P. (if req'd): Pre-purge: ___ mV Post-purge: ___ mV

bp

Chain of Custody Record

Project Name:
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Requested Due Date (mm/dd/yy): Standard

Date: 9/23/02

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Name: SEQUOIA	BP/GEM Facility Address: 7249 Village PKWY, DUBLIN, CA	Address: 500 12th St., Ste. 200
Address: 885 Jarvis Dr.	Site ID No. ARCO 6041	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #:	Consultant/Contractor Project No.: 15-00006041.01 00427
PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1735/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax:	BP/GEM Work Release No: INTRIM -50691

Bottle Order No:

Sample No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: $FH_{g,o}$ /	Sample Point Lat/Long and Comments
1	MW-2			3				6				X	X			X	X	X	
2	MW-3			1				1				X	X			X	X	X	
3	MW-4			1				1				X	X			X	X	X	
4	MW-6			1				1				X	X			X	X	X	
5																			
6																			
7																			
8																			
9																			
10																			

Sampler's Name: Rehan Alcoren	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Blaine Tech					
Shipment Date:					
Shipment Method:					
Shipment Tracking No:					

Special Instructions: Address Invoice to BP/GEM but send to URS for approval OXYGENATES = MTBE, TBA, DIPE, ETBE, TAME

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

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client Arco Inspection Date 9/23/02

Site Address 7249 Village Pkwy Inspected By Brian Allen

1. Lid on box?	6. Casing secure?	12. Water standing in wellbox?	15. Well cap functional?
2. Lid broken?	7. Casing cut level?	12a. Standing above the top of casing?	16. Can cap be pulled loose?
3. Lid bolts missing?	8. Debris in wellbox?	12b. Standing below the top of casing?	17. Can cap seal out water?
4. Lid bolts stripped?	9. Wellbox is too far above grade?	12c. Water even with the top of casing?	18. Padlock present?
5. Lid seal intact?	10. Wellbox is too far below grade?	13. Well cap present?	19. Padlock functional?
	11. Wellbox is crushed/damaged?	14. Well cap found secure?	

☐ Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken
MW-5	Bad cap/lock	Replaced 4" / #2357
MW-6	No Lock	Replaced #2357
MW-2	Bad cap / No Lock	Replaced #2357 / 4"

Note below all deficiencies that could not be corrected and still need to be corrected.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected
MW-5	Difficult to access - surrounded by AC system in gated area.			
MW-6	Reface / Helicoil			
MW-2	Broken casing →	BTS can repair		
MW-3	No Cap No Lock Broken casing →	Casing needs extending to replace cap		

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
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:
17

added equip. rinse water 3

any other adjustments

TOTAL GALS. RECOVERED 20

loaded onto BTS vehicle #

BTS event #	time	date
020923-BAZ	1600	9/23/02

signature

* *

REC'D AT	time	date
		/ /

unloaded by
signature

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020930-EM3	Station # 6041
Sampler: EM	Date:
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 12.65	Depth to Water: 9.30
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	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (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.

2.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
15:17	80.5	6.9	1780	2.1	odor
15:18	77.7	6.9	2377	4.2	"
15:19	76.2	6.9	2390	6.3	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.3

Sampling Time: 15:25 Sampling Date: 9/30/02

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Refer to SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	1.3 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

bp

Chain of Custody Record

Project Name 020930-EM3

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Requested Due Date (mm/dd/yy)

te: 9/30/02

On-site Time:	Temp:
Off- site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

l To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Name: SEQUOIA	BP/GEM Facility Address: 7249 Village PKWY, DUBLIN, CA	Address: 500 12th St., Ste. 200
Address: 885 Jarvis Dr. Morgan Hill, CA 95037	Site ID No. ARCO 6041	Oakland, CA 94609-4014
	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #:	Consultant/Contractor Project No.: J5-00006041.01 00427
PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1735/510-874-3268 .
Tax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Scott Robinson
rt Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or BP/GEM (Circle one)
EM Account No.:	Tele/Fax:	BP/GEM Work Release No: INTRIM -50691

Bottle Order No:			Matrix					Preservatives						Requested Analysis										
No.	Sample Description	Time	Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Unpreserved	H_2SO_4	HNO_3	HCl		TPH-G / BTEX (8015 / 8021)	TPH -D (8015)	MTBE (8021)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)					Sample Point Lat/Long and Comments
1	MW-8	15:25		X				6				X		X			X	X	X					
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								

pler's Name: Eric McReynolds	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
pler's Company: Blaine Tech Services	Eric McReynolds					
ment Date:						
ment Method:						
ment Tracking No:						

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

ody 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

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

7

added equip. rinse water 2

any other adjustments

TOTAL GALS. RECOVERED 9

loaded onto BTS vehicle #

BTS event # 020930-EM3

time 15:45 date 9/30/02

signature

* *

REC'D AT

time

date

unloaded by

signature

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.

Sequoia Analytical

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

9 October, 2002

Scott Robinson
URS Corporation
500 12th Street, Suite 100
Oakland, CA 94607

RE: ARCO #6041,Dublin, Ca
Sequoia Report: MLI0621

Enclosed are the results of analyses for samples received by the laboratory on 09/24/02 10:02. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MLI0621-01	Water	09/23/02 13:55	09/24/02 10:02
MW-3	MLI0621-02	Water	09/23/02 14:10	09/24/02 10:02
MW-4	MLI0621-03	Water	09/23/02 13:40	09/24/02 10:02
MW-6	MLI0621-04	Water	09/23/02 14:45	09/24/02 10:02

Sequoia Analytical - Morgan Hill

Latonya K. Pelt

Latonya Pelt, Project Manager

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

Sequoia Analytical

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www.sequoialabs.com

URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEX by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MLI0621-01) Water Sampled: 09/23/02 13:55 Received: 09/24/02 10:02									
Gasoline Range Organics (C6-C10)	**250**	120	ug/l	2.5	2J05001	10/05/02	10/05/02	8015Bm/8021 B	HC-19
Benzene	ND	1.2	"	"	"	"	"	"	
Toluene	ND	1.2	"	"	"	"	"	"	
Ethylbenzene	ND	1.2	"	"	"	"	"	"	
Xylenes (total)	ND	1.2	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.2 %*	*70-130*		"	"	"	"	
MW-3 (MLI0621-02) Water Sampled: 09/23/02 14:10 Received: 09/24/02 10:02									
Gasoline Range Organics (C6-C10)	**1500**	100	ug/l	2	2J05001	10/05/02	10/05/02	8015Bm/8021 B	HC-12
Benzene	**41**	1.0	"	"	"	"	"	"	
Toluene	**2.4**	1.0	"	"	"	"	"	"	
Ethylbenzene	**9.8**	1.0	"	"	"	"	"	"	
Xylenes (total)	**14**	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*70-130*		"	"	"	"	
MW-4 (MLI0621-03) Water Sampled: 09/23/02 13:40 Received: 09/24/02 10:02									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2J05001	10/05/02	10/05/02	8015Bm/8021 B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.9 %*	*70-130*		"	"	"	"	
MW-6 (MLI0621-04) Water Sampled: 09/23/02 14:45 Received: 09/24/02 10:02									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2J03022	10/03/02	10/03/02	8015Bm/8021 B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.7 %*	*70-130*		"	"	"	"	

Sequoia Analytical

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MLI0621-01) Water Sampled: 09/23/02 13:55 Received: 09/24/02 10:02									
Ethanol	ND	8000	ug/l	200	2J01004	10/01/02	10/01/02	EPA 8260B	
tert-Butyl alcohol	ND	4000	"	"	"	"	"	"	
Methyl tert-butyl ether	**1500**	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
Ethylene dibromide	ND	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*78-129*		"	"	"	"	
MW-3 (MLI0621-02) Water Sampled: 09/23/02 14:10 Received: 09/24/02 10:02									
Ethanol	ND	8000	ug/l	200	2J01004	10/01/02	10/01/02	EPA 8260B	
tert-Butyl alcohol	**20000**	4000	"	"	"	"	"	"	
Methyl tert-butyl ether	**980**	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
Ethylene dibromide	ND	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*78-129*		"	"	"	"	
MW-4 (MLI0621-03) Water Sampled: 09/23/02 13:40 Received: 09/24/02 10:02									
Ethanol	ND	40	ug/l	1	2J01004	10/01/02	10/01/02	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.9**	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	"	"	"	"	"	"	
Ethylene dibromide	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MLI0621-04) Water Sampled: 09/23/02 14:45 Received: 09/24/02 10:02									
Ethanol	ND	40	ug/l	1	2130031	09/30/02	10/01/02	EPA 8260B	
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	"	"	"	"	"	"	
Ethylene dibromide	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.6 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEX by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J03022 - EPA 5030B [P/T]										
Blank (2J03022-BLK1)				Prepared & Analyzed: 10/03/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: a,a,a-Trifluorotoluene	*9.88*		"	*10.0*		*98.8*	*70-130*			
LCS (2J03022-BS1)				Prepared & Analyzed: 10/03/02						
Benzene	9.72	0.50	ug/l	10.0		97.2	70-130			
Toluene	9.84	0.50	"	10.0		98.4	70-130			
Ethylbenzene	9.32	0.50	"	10.0		93.2	70-130			
Xylenes (total)	30.3	0.50	"	30.0		101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.0*		"	*10.0*		*100*	*70-130*			
LCS (2J03022-BS2)				Prepared & Analyzed: 10/03/02						
Gasoline Range Organics (C6-C10)	269	50	ug/l	250		108	70-130			
Surrogate: a,a,a-Trifluorotoluene	*11.0*		"	*10.0*		*110*	*70-130*			
Matrix Spike (2J03022-MS1)		**Source: MLI0649-04**		Prepared: 10/03/02 Analyzed: 10/04/02						
Gasoline Range Organics (C6-C10)	465	50	ug/l	550	ND	84.5	60-140			
Benzene	6.00	0.50	"	6.60	ND	90.9	60-140			
Toluene	40.6	0.50	"	39.7	ND	102	60-140			
Ethylbenzene	8.84	0.50	"	9.20	ND	93.3	60-140			
Xylenes (total)	43.2	0.50	"	46.1	ND	93.7	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.81*		"	*10.0*		*98.1*	*70-130*			
Matrix Spike Dup (2J03022-MSD1)		**Source: MLI0649-04**		Prepared: 10/03/02 Analyzed: 10/04/02						
Gasoline Range Organics (C6-C10)	492	50	ug/l	550	ND	89.5	60-140	5.64	25	
Benzene	6.24	0.50	"	6.60	ND	94.5	60-140	3.92	25	
Toluene	41.6	0.50	"	39.7	ND	105	60-140	2.43	25	
Ethylbenzene	9.18	0.50	"	9.20	ND	97.0	60-140	3.77	25	
Xylenes (total)	44.8	0.50	"	46.1	ND	97.2	60-140	3.64	25	
Surrogate: a,a,a-Trifluorotoluene	*9.53*		"	*10.0*		*95.3*	*70-130*			

Sequoia Analytical

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEX by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J05001 - EPA 5030B [P/T]										
Blank (2J05001-BLK1)				Prepared & Analyzed: 10/05/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: a,a,a-Trifluorotoluene	*9.58*		"	*10.0*		*95.8*	*70-130*			
LCS (2J05001-BS1)				Prepared & Analyzed: 10/05/02						
Benzene	9.78	0.50	ug/l	10.0		97.8	70-130			
Toluene	10.0	0.50	"	10.0		100	70-130			
Ethylbenzene	9.55	0.50	"	10.0		95.5	70-130			
Xylenes (total)	31.0	0.50	"	30.0		103	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.76*		"	*10.0*		*97.6*	*70-130*			
LCS (2J05001-BS2)				Prepared & Analyzed: 10/05/02						
Gasoline Range Organics (C6-C10)	252	50	ug/l	250		101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*8.06*		"	*10.0*		*80.6*	*70-130*			
Matrix Spike (2J05001-MS1)		**Source: MLI0671-01**		Prepared & Analyzed: 10/05/02						
Gasoline Range Organics (C6-C10)	431	50	ug/l	550	ND	78.4	60-140			
Benzene	8.08	0.50	"	6.60	ND	122	60-140			
Toluene	39.1	0.50	"	39.7	ND	98.5	60-140			
Ethylbenzene	8.71	0.50	"	9.20	ND	94.7	60-140			
Xylenes (total)	47.4	0.50	"	46.1	ND	103	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.8*		"	*10.0*		*108*	*70-130*			
Matrix Spike Dup (2J05001-MSD1)		**Source: MLI0671-01**		Prepared & Analyzed: 10/05/02						
Gasoline Range Organics (C6-C10)	454	50	ug/l	550	ND	82.5	60-140	5.20	25	
Benzene	7.71	0.50	"	6.60	ND	117	60-140	4.69	25	
Toluene	35.3	0.50	"	39.7	ND	88.9	60-140	10.2	25	
Ethylbenzene	8.08	0.50	"	9.20	ND	87.8	60-140	7.50	25	
Xylenes (total)	45.7	0.50	"	46.1	ND	99.1	60-140	3.65	25	
Surrogate: a,a,a-Trifluorotoluene	*9.59*		"	*10.0*		*95.9*	*70-130*			

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

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 2I30031 - EPA 5030B P/T										
Blank (2I30031-BLK1)				Prepared & Analyzed: 09/30/02						
Ethanol	ND	40	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	"							
Ethylene dibromide	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.52*		"	*5.00*		*110*	*78-129*			
LCS (2I30031-BS1)				Prepared & Analyzed: 09/30/02						
Methyl tert-butyl ether	10.2	0.50	ug/l	10.0		102	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.69*		"	*5.00*		*114*	*78-129*			
LCS (2I30031-BS2)				Prepared & Analyzed: 09/30/02						
Methyl tert-butyl ether	10.4	0.50	ug/l	8.40		124	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.40*		"	*5.00*		*108*	*78-129*			
LCS Dup (2I30031-BSD1)				Prepared & Analyzed: 09/30/02						
Methyl tert-butyl ether	10.6	0.50	ug/l	10.0		106	63-137	3.85	13	
Surrogate: 1,2-Dichloroethane-d4	*5.88*		"	*5.00*		*118*	*78-129*			
LCS Dup (2I30031-BSD2)				Prepared & Analyzed: 09/30/02						
Methyl tert-butyl ether	11.0	0.50	ug/l	8.40		131	63-137	5.61	13	
Surrogate: 1,2-Dichloroethane-d4	*5.32*		"	*5.00*		*106*	*78-129*			
Batch 2J01004 - EPA 5030B P/T										
Blank (2J01004-BLK1)				Prepared & Analyzed: 10/01/02						
Ethanol	ND	40	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	"							
Ethylene dibromide	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.73*		"	*5.00*		*94.6*	*78-129*			

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

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 2J01004 - EPA 5030B P/T										
LCS (2J01004-BS1)				Prepared & Analyzed: 10/01/02						
Methyl tert-butyl ether	9.38	0.50	ug/l	10.0		93.8	63-137			
Surrogate: 1,2-Dichloroethane-d4	*4.31*		"	*5.00*		*86.2*	*78-129*			
LCS Dup (2J01004-BSD1)				Prepared & Analyzed: 10/01/02						
Methyl tert-butyl ether	10.2	0.50	ug/l	10.0		102	63-137	8.38	13	
Surrogate: 1,2-Dichloroethane-d4	*4.58*		"	*5.00*		*91.6*	*78-129*			

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/09/02 08:18

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
HC-19	Discrete peak @ C6-C7.
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

bp

Project Name
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 9/23/02 Requested Due Date (mm/dd/yy) Standard MLC0621

On-site Time: Temp:
Off-site Time: Temp:
Sky Conditions:
Meteorological Events:
Wind Speed: Direction:

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 7249 Village PKWY, DUBLIN, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 6041	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #:	Consultant/Contractor Project No.: 35-00006041.01 00427
Lab PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1735/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax:	BP/GEM Work Release No: INTRIM -50691

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	TPH-D (8015)	MTBE (8021)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	EtOH (8260)					Sample Point Lat/Long and Comments
1	MW-2	13:55		X			01	6				X	X			X	X	X					
2	MW-3	14:10		↓			02	↓				X	X			X	X	X					
3	MW-4	13:40					03					X	X			X	X	X					
4	MW-6	14:45		↓			04	↓				X	X			X	X	X					
5																							
6																							
7																							
8																							
9																							
10																							

Sampler's Name: Brian Arcoso	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: BAKERTECH		9/24/02	0906		9/24/02	9:06
Shipment Date:		9/24/02	1002	Christine Jensen	9/24/02	1002
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval OXYGENATES = MTBE, TBA, DIPE, ETBE, TAME

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

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 2/502

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17 October, 2002

Scott Robinson
URS Corporation
500 12th Street, Suite 100
Oakland, CA 94607

RE: ARCO #6041,Dublin, Ca
Sequoia Report: MLJ0067

Enclosed are the results of analyses for samples received by the laboratory on 10/01/02 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/17/02 18:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MLJ0067-01	Water	09/30/02 15:25	10/01/02 16:55

Sequoia Analytical - Morgan Hill

Latonya K. Pelt

Latonya Pelt, Project Manager

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

Sequoia Analytical

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/17/02 18:42

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEX by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MLJ0067-01) Water Sampled: 09/30/02 15:25 Received: 10/01/02 16:55									
Gasoline Range Organics (C6-C10)	**1100**	500	ug/l	10	2J11004	10/11/02	10/11/02	8015Bm/8021 B	HC-21
Benzene	**120**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**57**	5.0	"	"	"	"	"	"	
Xylenes (total)	**8.7**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*111 %*		*55-142*		"	"	"	

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/17/02 18:42

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MLJ0067-01) Water Sampled: 09/30/02 15:25 Received: 10/01/02 16:55									
Ethanol	ND	4000	ug/l	100	2J13003	10/13/02	10/14/02	EPA 8260B	
tert-Butyl alcohol	**34000**	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	**1100**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethylene dibromide	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*78-129*		"	"	"	"	

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/17/02 18:42

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEX by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J11004 - EPA 5030B [P/T]										
Blank (2J11004-BLK1)				Prepared & Analyzed: 10/11/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: a,a,a-Trifluorotoluene	*10.6*		"	*10.0*		*106*	*55-142*			
LCS (2J11004-BS1)				Prepared & Analyzed: 10/11/02						
Benzene	9.89	0.50	ug/l	10.0		98.9	68-140			
Toluene	9.27	0.50	"	10.0		92.7	76-127			
Ethylbenzene	8.77	0.50	"	10.0		87.7	77-130			
Xylenes (total)	25.6	0.50	"	30.0		85.3	78-128			
Surrogate: a,a,a-Trifluorotoluene	*9.96*		"	*10.0*		*99.6*	*55-142*			
LCS (2J11004-BS2)				Prepared & Analyzed: 10/11/02						
Gasoline Range Organics (C6-C10)	239	50	ug/l	250		95.6	62-134			
Surrogate: a,a,a-Trifluorotoluene	*14.2*		"	*10.0*		*142*	*55-142*			
Matrix Spike (2J11004-MS1)	**Source: MLJ0077-21**			Prepared & Analyzed: 10/11/02						
Gasoline Range Organics (C6-C10)	489	50	ug/l	550	ND	88.9	62-134			
Benzene	10.0	0.50	"	6.60	ND	152	68-140			QM-07
Toluene	44.6	0.50	"	39.7	ND	112	76-127			
Ethylbenzene	8.77	0.50	"	9.20	ND	95.3	77-130			
Xylenes (total)	42.4	0.50	"	46.1	ND	91.6	78-128			
Surrogate: a,a,a-Trifluorotoluene	*14.4*		"	*10.0*		*144*	*55-142*			*QM-07*
Matrix Spike Dup (2J11004-MSD1)	**Source: MLJ0077-21**			Prepared & Analyzed: 10/11/02						
Gasoline Range Organics (C6-C10)	484	50	ug/l	550	ND	88.0	62-134	1.03	41	
Benzene	8.59	0.50	"	6.60	ND	130	68-140	15.2	30	
Toluene	39.9	0.50	"	39.7	ND	100	76-127	11.1	30	
Ethylbenzene	8.37	0.50	"	9.20	ND	91.0	77-130	4.67	21	
Xylenes (total)	40.6	0.50	"	46.1	ND	87.7	78-128	4.34	21	
Surrogate: a,a,a-Trifluorotoluene	*12.1*		"	*10.0*		*121*	*55-142*			

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URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/17/02 18:42

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 2J13003 - EPA 5030B P/T										
Blank (2J13003-BLK1)				Prepared & Analyzed: 10/13/02						
Ethanol	ND	40	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	"							
Ethylene dibromide	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.62*		"	*5.00*		*112*	*78-129*			
LCS (2J13003-BS1)				Prepared & Analyzed: 10/13/02						
Methyl tert-butyl ether	9.32	0.50	ug/l	10.0		93.2	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.25*		"	*5.00*		*105*	*78-129*			
LCS (2J13003-BS2)				Prepared & Analyzed: 10/13/02						
Methyl tert-butyl ether	8.66	0.50	ug/l	8.40		103	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.30*		"	*5.00*		*106*	*78-129*			
LCS Dup (2J13003-BSD1)				Prepared & Analyzed: 10/13/02						
Methyl tert-butyl ether	9.20	0.50	ug/l	10.0		92.0	63-137	1.30	13	
Surrogate: 1,2-Dichloroethane-d4	*5.57*		"	*5.00*		*111*	*78-129*			
LCS Dup (2J13003-BSD2)				Prepared & Analyzed: 10/13/02						
Methyl tert-butyl ether	8.49	0.50	ug/l	8.40		101	63-137	1.98	13	
Surrogate: 1,2-Dichloroethane-d4	*5.15*		"	*5.00*		*103*	*78-129*			

Sequoia Analytical

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

URS Corporation	Project: ARCO #6041,Dublin, Ca	
500 12th Street, Suite 100	Project Number: ARCO #6041, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/17/02 18:42

Notes and Definitions

HC-21	Chromatogram Pattern: Gasoline C6-C10
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name 020930-EM3

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Date: 9/30/02 Requested Due Date (mm/dd/yy) MLJ0067

On-site: Time:	Temp:
Off- site: Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 7249 Village PKWY, DUBLIN, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 6041	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #:	Consultant/Contractor Project No.: 35-00006041.01 00427
Lab PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1735/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or (BP/GEM) (circle one)
BP/GEM Account No.:	Tele/Fax:	BP/GEM Work Release No: INTRIM -50691

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / DTEX (8015 / 8021)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-9	15:25		X			01	6				X	X			X	X	X	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Eric McReynolds						
Sampler's Company: Blaine Tech Services		10/1/02	0845		10/1/02	8:45
Shipment Date:		10/1/02	1655	(MH)	10/1/02	16:55
Shipment Method:						
Shipment Tracking No:						

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

Coolers In Place Yes ___ No ✓ Temperature Blank Yes ___ No ✓ Cooler Temperature on Receipt 3 °F (C) Trip Blank Yes ___ No ✓

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

12/30/02

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:	MLI0621
Global ID:	T0600100109
Lab Report Number:	MLI0621111920020851

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MLI062111192002 0851	MW-2	MLI062101	W	CS	8260+OX	SW5030B	09/23/02	10/01/02	10/01/02	2J01004	1	
MLI062111192002 0851	MW-2	MLI062101	W	CS	SW8020F	SW5030B	09/23/02	10/05/02	10/05/02	2J05001	1	
MLI062111192002 0851	MW-3	MLI062102	W	CS	8260+OX	SW5030B	09/23/02	10/01/02	10/01/02	2J01004	1	
MLI062111192002 0851	MW-3	MLI062102	W	CS	SW8020F	SW5030B	09/23/02	10/05/02	10/05/02	2J05001	1	
MLI062111192002 0851	MW-4	MLI062103	W	CS	8260+OX	SW5030B	09/23/02	10/01/02	10/01/02	2J01004	1	
MLI062111192002 0851	MW-4	MLI062103	W	CS	SW8020F	SW5030B	09/23/02	10/05/02	10/05/02	2J05001	1	
MLI062111192002 0851	MW-6	MLI062104	W	CS	8260+OX	SW5030B	09/23/02	09/30/02	10/01/02	2I30031	1	
MLI062111192002 0851	MW-6	MLI062104	W	CS	SW8020F	SW5030B	09/23/02	10/03/02	10/03/02	2J03022	1	
		MLI064904	W	NC	SW8020F	SW5030B	/ /	10/03/02	10/04/02	2J03022	1	
		MLI067101	W	NC	SW8020F	SW5030B	/ /	10/05/02	10/05/02	2J05001	1	
		2I30031BSD1	WQ	BD1	8260+OX	SW5030B	/ /	09/30/02	09/30/02	2I30031	1	
		2I30031BSD2	WQ	BD2	8260+OX	SW5030B	/ /	09/30/02	09/30/02	2I30031	1	
		2I30031BS1	WQ	BS1	8260+OX	SW5030B	/ /	09/30/02	09/30/02	2I30031	1	
		2I30031BS2	WQ	BS2	8260+OX	SW5030B	/ /	09/30/02	09/30/02	2I30031	1	
		2I30031BLK1	WQ	LB1	8260+OX	SW5030B	/ /	09/30/02	09/30/02	2I30031	1	
		2J01004BSD1	WQ	BD1	8260+OX	SW5030B	/ /	10/01/02	10/01/02	2J01004	1	
		2J01004BS1	WQ	BS1	8260+OX	SW5030B	/ /	10/01/02	10/01/02	2J01004	1	
		2J01004BLK1	WQ	LB1	8260+OX	SW5030B	/ /	10/01/02	10/01/02	2J01004	1	
		2J03022BS1	WQ	BS1	SW8020F	SW5030B	/ /	10/03/02	10/03/02	2J03022	1	
		2J03022BS2	WQ	BS2	SW8020F	SW5030B	/ /	10/03/02	10/03/02	2J03022	1	
		2J03022BLK1	WQ	LB1	SW8020F	SW5030B	/ /	10/03/02	10/03/02	2J03022	1	
		2J03022MS1	W	MS1	SW8020F	SW5030B	/ /	10/03/02	10/04/02	2J03022	1	
		2J03022MSD1	W	SD1	SW8020F	SW5030B	/ /	10/03/02	10/04/02	2J03022	1	
		2J05001BS1	WQ	BS1	SW8020F	SW5030B	/ /	10/05/02	10/05/02	2J05001	1	
		2J05001BS2	WQ	BS2	SW8020F	SW5030B	/ /	10/05/02	10/05/02	2J05001	1	
		2J05001BLK1	WQ	LB1	SW8020F	SW5030B	/ /	10/05/02	10/05/02	2J05001	1	
		2J05001MS1	W	MS1	SW8020F	SW5030B	/ /	10/05/02	10/05/02	2J05001	1	
		2J05001MSD1	W	SD1	SW8020F	SW5030B	/ /	10/05/02	10/05/02	2J05001	1	

EDFSAMP: Error Summary Log

12/30/02

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

EDFTEST: Error Summary Log

12/30/02

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

EDFRES: Error Summary Log

12/30/02

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2J03022MS1	MS1	W	SW8020F	PR	10/04/02	1	AAATFBZME
Warning: extra parameter	2J03022MS1	MS1	W	SW8020F	PR	10/04/02	1	GROC6C10
Warning: extra parameter	2J03022MSD1	SD1	W	SW8020F	PR	10/04/02	1	AAATFBZME
Warning: extra parameter	2J03022MSD1	SD1	W	SW8020F	PR	10/04/02	1	GROC6C10
Warning: extra parameter	2J05001MS1	MS1	W	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	2J05001MS1	MS1	W	SW8020F	PR	10/05/02	1	GROC6C10
Warning: extra parameter	2J05001MSD1	SD1	W	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	2J05001MSD1	SD1	W	SW8020F	PR	10/05/02	1	GROC6C10
Warning: extra parameter	MLI062101	CS	W	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	MLI062101	CS	W	SW8020F	PR	10/05/02	1	GROC6C10
Warning: extra parameter	MLI062102	CS	W	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	MLI062102	CS	W	SW8020F	PR	10/05/02	1	GROC6C10
Warning: extra parameter	MLI062103	CS	W	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	MLI062103	CS	W	SW8020F	PR	10/05/02	1	GROC6C10
Warning: extra parameter	MLI062104	CS	W	SW8020F	PR	10/03/02	1	AAATFBZME
Warning: extra parameter	MLI062104	CS	W	SW8020F	PR	10/03/02	1	GROC6C10
Warning: extra parameter	MLI064904	NC	W	SW8020F	PR	10/04/02	1	AAATFBZME
Warning: extra parameter	MLI064904	NC	W	SW8020F	PR	10/04/02	1	GROC6C10
Warning: extra parameter	MLI067101	NC	W	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	MLI067101	NC	W	SW8020F	PR	10/05/02	1	GROC6C10
Warning: extra parameter	2J03022BLK1	LB1	WQ	SW8020F	PR	10/03/02	1	AAATFBZME
Warning: extra parameter	2J03022BLK1	LB1	WQ	SW8020F	PR	10/03/02	1	GROC6C10
Warning: extra parameter	2J03022BS1	BS1	WQ	SW8020F	PR	10/03/02	1	AAATFBZME
Warning: extra parameter	2J03022BS2	BS2	WQ	SW8020F	PR	10/03/02	1	AAATFBZME
Warning: extra parameter	2J03022BS2	BS2	WQ	SW8020F	PR	10/03/02	1	GROC6C10

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2J05001BLK1	LB1	WQ	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	2J05001BLK1	LB1	WQ	SW8020F	PR	10/05/02	1	GROC6C10
Warning: extra parameter	2J05001BS1	BS1	WQ	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	2J05001BS2	BS2	WQ	SW8020F	PR	10/05/02	1	AAATFBZME
Warning: extra parameter	2J05001BS2	BS2	WQ	SW8020F	PR	10/05/02	1	GROC6C10

EDFQC: Error Summary Log

12/30/02

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

EDFCL: Error Summary Log

12/30/02

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

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Submittal Type: GW Monitoring Report

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