Atlantic Richfield Company
(a BP affiliated company)

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

July 22, 2005

Re: Second Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #4977
2770 Castro Valley Boulevard
Castro Valley, Califronia
ACEH Case No. 01-0097

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

URS

July 22, 2005

Ms. Donna Drogas
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Second Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #4977
2770 Castro Valley Blvd
Castro Valley, California
ACEH Case No. 01-0097

Dear Ms. Drogas:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Second Quarter 2005 Groundwater Monitoring Report* for ARCO Service Station #4977, located at 2770 Castro Valley Boulevard, Castro Valley, California.

If you have any questions regarding this submission, please call (510) 874-3115.

Sincerely,
URS CORPORATION

Robert Horwath, P.G.
Portfolio Manager

PROFESSIONAL GEOLOGIST
ROBERT M. HORWATH
NO. 5925
4/06
STATE OF CALIFORNIA

Enclosure: Second Quarter 2005 Groundwater Monitoring Report

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510.874.3268

REPORT

SECOND QUARTER 2005 GROUNDWATER MONITORING REPORT

ARCO SERVICE STATION #4977
2770 CASTRO VALLEY BLVD
CASTRO VALLEY, CALIFORNIA

Prepared for
RM

July 22, 2005

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

Date: July 22, 2005

Quarter: 2Q 05

SECOND QUARTER 2005 GROUNDWATER MONITORING REPORT

Facility No.:	4977	Address:	2770 Castro Valley Blvd, Castro Valley, CA
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Primary Agency:			Alameda County Environmental Health (ACEH)
ACEH Case No.:			01-0097

WORK PERFORMED THIS QUARTER (Second – 2005):

1. Prepared and submitted the First Quarter 2005 Groundwater Monitoring Report.
2. Performed second quarter groundwater monitoring event on June 27, 2005.

WORK PROPOSED FOR NEXT QUARTER (Third – 2005):

1. Prepared and submitted this Second Quarter 2005 Groundwater Monitoring Report.
2. Perform third quarter 2005 groundwater monitoring event.

SITE SUMMARY:

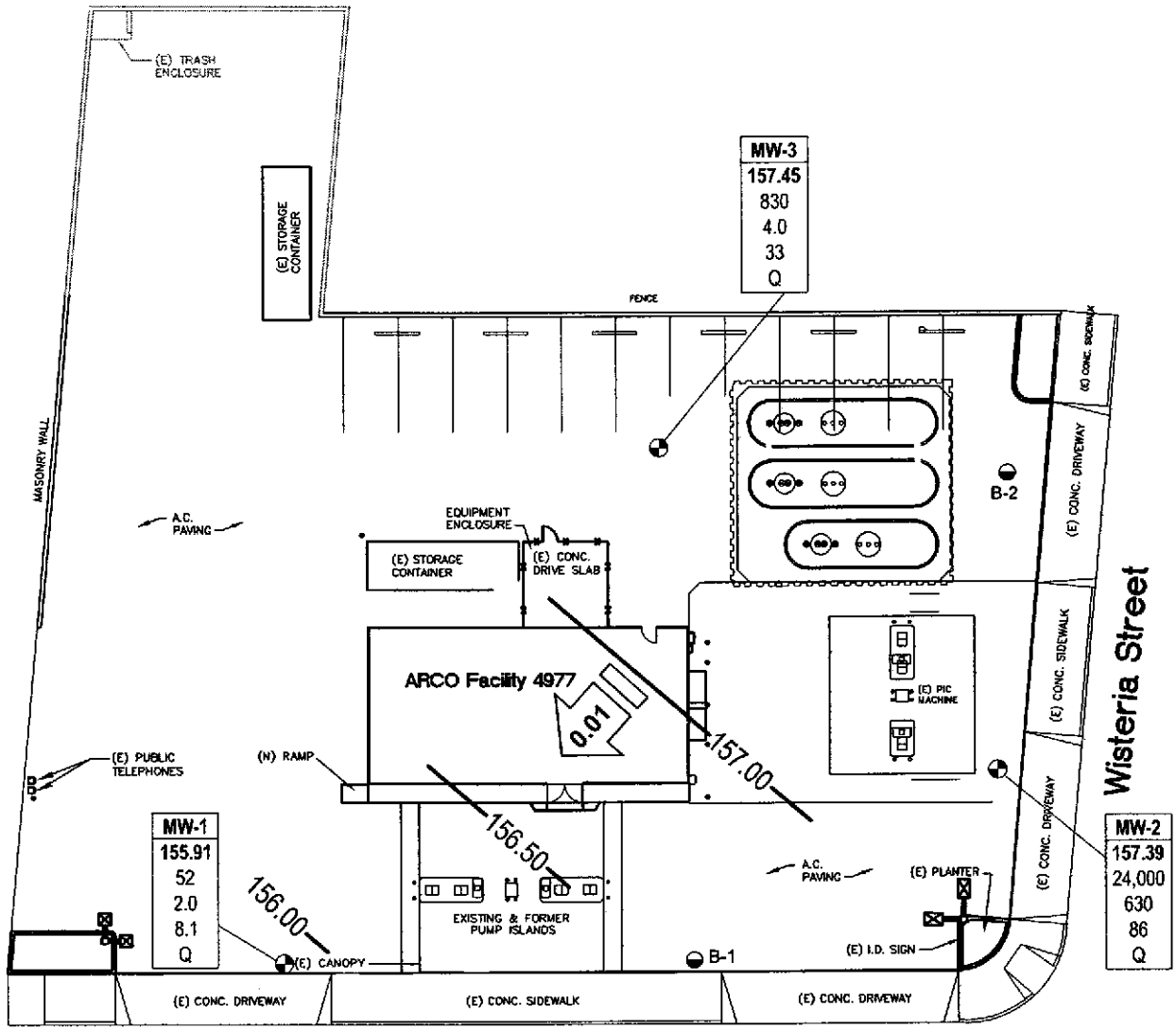
Current Phase of Project:	Groundwater monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-1 through MW-3
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None
Approximate Depth to Groundwater:	6.90 ft (MW-2) to 7.53 ft (MW-1)
Groundwater Gradient (direction):	South
Groundwater Gradient (magnitude):	0.01 feet per foot

DISCUSSION:

During purging prior to sampling, well MW-1 dewatered at 7 gallons, well MW-2 dewatered at 10 gallons, and well MW-3 dewatered at 11 gallons. Gasoline range organics were detected at or above laboratory reporting limit in all three wells sampled this quarter at concentrations ranging from 52 µg/L (MW-1) to 24,000 µg/L (MW-2). Benzene was detected at or above laboratory reporting limit in all three wells at concentrations ranging from 2.0 µg/L (MW-1) to 630 µg/L (MW-2). Toluene was detected at or above the laboratory reporting limit in one well at a concentration of 32 µg/L (MW-2). Ethylbenzene was detected at or above the laboratory reporting limit in all three wells at concentrations ranging from 1.9 µg/L (MW-1) to 1,200 µg/L (MW-2). Xylenes were detected at or above the laboratory reporting limit in all three wells at concentrations ranging from 0.78 µg/L (MW-1) to 2,900 µg/L (MW-2). Methyl-tert-butyl ether was detected at or above laboratory reporting limit in all three wells at concentrations ranging from 8.1 µg/L (MW-1) to 86 µg/L (MW-2). Tert-butyl alcohol was detected at or above laboratory reporting limit in one well at a concentration of 130 µg/L (MW-3).

ATTACHMENTS:

- Figure 1 - Groundwater Elevation Contour and Analytical Summary Map – June 27, 2005
- Table 1 - Groundwater Elevation and Analytical Data
- Table 2 - Fuel Additives Analytical Data
- Table 3 - Groundwater Flow Direction and Gradient
- Attachment A - Field Procedures and Field Data Sheets
- Attachment B - Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – Error Check Reports and EDF/Geowell Submittal Confirmations



Castro Valley Blvd.

LEGEND

- MONITORING WELL
- SOIL BORING
- Well / ELEV / GRO / Benzene / MTBE / Q — WELL DESIGNATION; GROUNDWATER ELEVATION (FT ABOVE MSL); CONCENTRATION OF GRO, BENZENE AND MTBE IN GROUNDWATER (µg/L); SAMPLING FREQUENCY
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- Q SAMPLED QUARTERLY
- —157.00 GROUNDWATER ELEVATION CONTOUR (FT ABOVE MSL)
- 0.01 GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

NORTH

0 30 60

SCALE IN FEET

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

URS	Project No. 38487184 Arco Service Station #4977 2770 Castro Valley Boulevard Castro Valley, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Second Quarter 2005 (June 27, 2005)	FIGURE 1

Jul 20, 2005 - 11:56am
X:\x_env_waste\BP GEM\sites\Scott Robinson\Paul Supple\4977\Monitoring\2005 Qtr. 2\Drawings\4977-2005-GV.dwg

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4977

2770 Castro Valley Blvd., Castro Valley, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-1	4/19/2002	--		161.11	5.00	15.00	11.21	149.90	660	12	1.3	4.3	0.8	38	--	--
	9/27/2002	--		161.11	5.00	15.00	9.29	151.82	130	7.7	0.87	5.4	0.79	39	1.7	6.9
	12/16/2002	--	a	161.11	5.00	15.00	8.55	152.56	77	1.8	<0.50	0.69	<1.0	42	1.6	6.9
	3/11/2003	--		161.11	5.00	15.00	8.07	153.04	140	9.8	<0.50	5.6	<0.50	20	1.4	7.4
	6/17/2003	--		161.11	5.00	15.00	8.31	152.80	510	60	1.4	81	<1.0	23	2.2	7
	9/18/2003	--	b	161.11	5.00	15.00	9.45	151.66	72	2.4	1.4	1.6	1.5	39	2.7	7
	12/11/2003	P		161.11	5.00	15.00	8.80	152.31	79	1.5	<0.50	1.5	4.4	48	2.10	7.0
	03/11/2004	P		163.44	5.00	15.00	7.61	155.83	<50	1.3	<0.50	0.77	1.3	17	1.40	6.8
	06/02/2004	P		163.44	5.00	15.00	8.95	154.49	53	1.4	<0.50	0.93	<0.50	39	2.30	7.1
	09/22/2004	P		163.44	5.00	15.00	9.42	154.02	70	<0.50	<0.50	<0.50	<0.50	48	1.70	6.8
	12/15/2004	P		163.44	5.00	15.00	7.88	155.56	63	<0.50	<0.50	<0.50	<0.50	45	1.80	6.9
	03/07/2005	P		163.44	5.00	15.00	7.02	156.42	<50	<0.50	<0.50	<0.50	<0.50	4.0	2.40	6.8
	06/27/2005	**P**		**163.44**	**5.00**	**15.00**	**7.53**	**155.91**	**52**	**2.0**	**<0.50**	**1.9**	**0.78**	**8.1**	**2.80**	**7.1**
MW-2	4/19/2002	--		161.87	5.00	15.00	6.59	155.28	28,000	970	120	860	6,900	760	--	--
	9/27/2002	--		161.87	5.00	15.00	7.18	154.69	17,000	1,400	<50	1,200	3,700	1,400	1.5	6.8
	12/16/2002	--	a	161.87	5.00	15.00	7.31	154.56	17,000	1,000	<50	980	3,300	980	1.9	6.8
	3/11/2003	--		161.87	5.00	15.00	6.02	155.85	24,000	1,600	70	1,300	4,300	920	1.7	7.4
	6/17/2003	--		161.87	5.00	15.00	6.31	155.56	28,000	1,300	55	1,300	4,500	610	1.4	6.9
	9/18/2003	--		161.87	5.00	15.00	7.61	154.26	19,000	960	63	1,100	3,100	580	2.7	6.8
	12/11/2003	P		161.87	5.00	15.00	6.50	155.37	29,000	710	53	1,300	3,800	490	2.0	7.0
	03/11/2004	P		164.29	5.00	15.00	6.02	158.27	19,000	830	49	1,500	4,000	410	0.80	6.5
	06/02/2004	P		164.29	5.00	15.00	7.14	157.15	25,000	680	<50	1,300	3,900	240	4.30	7.1
	09/22/2004	--		164.29	5.00	15.00	7.63	156.66	15,000	980	<25	980	940	390	--	6.7
	12/15/2004	P	c	164.29	5.00	15.00	6.48	157.81	22,000	610	26	1,300	3,200	290	0.30	6.9
	03/07/2005	P		164.29	5.00	15.00	6.08	158.21	25,000	570	33	1,400	3,900	120	2.30	6.8
	06/27/2005	**P**		**164.29**	**5.00**	**15.00**	**6.90**	**157.39**	**24,000**	**630**	**32**	**1,200**	**2,900**	**86**	**2.50**	**7.2**
MW-3	4/19/2002	--		162.14	5.00	15.00	6.94	155.20	1,200	29	1.1	43	62	1,700	--	--
	9/27/2002	--		162.14	5.00	15.00	8.26	153.88	740	7.8	<2.5	6.8	4.4	1,100	1	6.7
	12/16/2002	--	a	162.14	5.00	15.00	6.76	155.38	1,200	13	<10	170	88	910	2.3	6.8
	3/11/2003	--		162.14	5.00	15.00	6.92	155.22	<2,500	<25	<25	<25	<25	470	1.7	7.5
	6/17/2003	--		162.14	5.00	15.00	7.44	154.70	<1,000	<10	<10	14	<10	530	1.9	7
	9/18/2003	--		162.14	5.00	15.00	8.43	153.71	470	4.8	<2.5	10	9.2	300	2.9	6.8
	12/11/2003	P		162.14	5.00	15.00	6.72	155.42	<500	<5.0	<5.0	7.0	13	180	1.90	6.9

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4977

2770 Castro Valley Blvd., Castro Valley, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-3	03/11/2004	P		164.53	5.00	15.00	6.09	158.44	360	1.9	<1.0	5.6	5.0	110	2.60	6.8
	06/02/2004	P		164.53	5.00	15.00	7.50	157.03	380	2.8	<0.50	8.0	2.1	43	3.60	7.3
	09/22/2004	P		164.53	5.00	15.00	8.00	156.53	270	<0.50	<0.50	0.54	<0.50	50	1.80	6.9
	12/15/2004	P		164.53	5.00	15.00	6.43	158.10	390	3.5	<0.50	20	3.7	49	1.10	6.9
	03/07/2005	P		164.53	5.00	15.00	6.12	158.41	1,900	13	<1.0	93	29	70	2.30	6.8
	06/27/2005	**P**		**164.53**	**5.00**	**15.00**	**7.08**	**157.45**	**830**	**4.0**	**<0.50**	**13**	**2.8**	**33**	**3.30**	**7.3**

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4977
2770 Castro Valley Blvd., Castro Valley, CA

SYMBOLS AND ABBREVIATIONS:
< = not detected at or above laboratory reporting limits
--- = not measured, sampled, analyzed, applicable
BGS = below ground surface
DO = dissolved oxygen
DTW = depth to water
GRO/TPH-g = gasoline range organics (changed from C6-C10 to C4-C12 2Q2004)/total petroleum hydrocarbons in the gasoline range (C5-C9).
GWE = groundwater elevation
mg/L = milligrams per liter
MSL = above mean sea level
MTBE = methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted. (before 12/16/02)
P/NP = purged/not purged
pH = measured in field
ppm = parts per million
TOC = top of casing
ug/L = micrograms per liter

FOOTNOTES:
a =TPH, BTEX, and MTBE analyzed by EPA Method 8260B beginning on 4th quarter sampling event (12/16/02)
b = This sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was performed past the recommended hold time. The results may still be used for their intended purpose.
c = Sheen

NOTES:
The data within this table collected prior to September 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPHg was changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Wells were re-surveyed on 3/23/2004.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Table 2

Fuel Additives Analytical Data

ARCO Service Station #4977

2770 Castro Valley Blvd., Castro Valley, CA

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)	Footnotes/ Comments
MW-1	12/16/2002	<50	<5.0	42	<0.50	<0.50	<0.50	<0.50	<0.50	
	3/11/2003	<100	<20	20	<0.50	<0.50	<0.50	<0.50	<0.50	
	6/17/2003	<200	<40	23	<1.0	<1.0	<1.0	<1.0	<1.0	
	9/18/2003	<100	<20	39	<0.50	<0.50	<0.50	<0.50	<0.50	a
	12/11/2003	<100	<20	48	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/11/2004	<100	<20	17	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/02/2004	<100	<20	39	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	48	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/15/2004	<100	<20	45	<0.50	<0.50	<0.50	<0.50	<0.50	a
	03/07/2005	<100	<20	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/27/2005	**<100**	**<20**	**8.1**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-2	12/16/2002	<5,000	<500	980	<50	<50	<50	<50	<50	
	3/11/2003	<10,000	<2,000	920	<50	<50	<50	<50	<50	
	6/17/2003	<10,000	<2,000	610	<50	<50	<50	<50	<50	
	9/18/2003	<5,000	<1,000	580	<25	<25	<25	<25	<25	
	12/11/2003	<5,000	<1,000	490	<25	<25	<25	<25	<25	
	03/11/2004	<2,000	<400	410	<10	<10	<10	<10	<10	
	06/02/2004	<10,000	<2,000	240	<50	<50	<50	<50	<50	
	09/22/2004	<5,000	<1,000	390	<25	<25	<25	<25	<25	
	12/15/2004	<2,000	<400	290	<10	<10	<10	<10	<10	a
	03/07/2005	<5,000	<1,000	120	<25	<25	<25	<25	<25	
	06/27/2005	**<5,000**	**<1,000**	**86**	**<25**	**<25**	**<25**	**<25**	**<25**	
MW-3	12/16/2002	<1,000	<100	910	<10	<10	12	<10	<10	
	3/11/2003	<5,000	<1,000	470	<25	<25	<25	<25	<25	
	6/17/2003	<2,000	<400	530	<10	<10	<10	<10	<10	
	9/18/2003	<500	<100	300	<2.5	<2.5	3.2	<2.5	<2.5	
	12/11/2003	<1,000	<200	180	<5.0	<5.0	<5.0	<5.0	<5.0	
	03/11/2004	<200	570	110	<1.0	<1.0	<1.0	<1.0	<1.0	
	06/02/2004	<100	130	43	<0.50	<0.50	0.56	<0.50	<0.50	
	09/22/2004	<100	28	50	<0.50	<0.50	0.51	<0.50	<0.50	
	12/15/2004	<100	110	49	<0.50	0.52	0.61	<0.50	<0.50	a
	03/07/2005	<200	190	70	<1.0	<1.0	<1.0	<1.0	<1.0	
	06/27/2005	**<100**	**130**	**33**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #4977
2770 Castro Valley Blvd., Castro Valley, CA

SYMBOLS AND ABBREVIATIONS:
< = Not detected at or above laboratory reporting limit
--- = Not sampled, analyzed
1,2-DCE = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
EDB = 1, 2 Dibromoethane
ETBE = Ethyl tert butyl ether
MTBE = Methyl tert-butyl ether
TAME = Tert-amyl methyl ether
TBA = Tert-butyl alcohol
ug/L = Micrograms per liter

FOOTNOTES:
a = This sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was performed past the recommended hold time. The results may still be used for their intended purpose.

Table 3

Groundwater Gradient Data

ARCO Service Station #4977
2770 Castro Valley Blvd., Castro Valley, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
4/19/2002	Southwest	0.038
9/27/2002	Southwest	0.021
12/16/2002	Southeast	0.029
3/11/2003	South	0.024
6/17/2003	South-Southwest	0.022
9/18/2003	South-Southwest	0.022
3/11/2004	South-Southwest	0.024
6/2/2004	South	0.025
9/22/2004	South	0.025
12/15/2004	South	0.020
3/7/2005	South	0.02
6/27/2005	**South**	**0.01**

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

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

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

WELL GAUGING DATA

Project # 050627-DW-1 Date 6-27-05 Client Arco 4977

Site 2770 Castro Valley Blvd Castro Valley

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
mw-1	4					7.53	15.10		
mw-2	4					6.90	14.65		
mw-3	4					7.08	15.00		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050627-DW-1	Station # 4977
Sampler: DW	Date: 6-27-05
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 15.10	Depth to Water: 7.53
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 / Positive Air Displacement / X Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / X 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.

4.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 14.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0849	67.7	7.2	1106	5	
	well	dewatered @ 7 gl		DTW=	13.25
0928	65.9	7.1	1144	—	DTW= 12.53 (site dep)

Did well dewater? (Yes) No — Gallons actually evacuated: 7

Sampling Time: 0928 — Sampling Date: 6-27-05

Sample I.D.: MW-1 — Laboratory: Pace (Sequoia) Other ___

Analyzed for: (GRO) (BTEX) MTBE DRO — Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge)	2.8	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050627-DW-1	Station # 4977
Sampler: DW	Date: 6-27-05
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.65	Depth to Water: 6.90
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 / Positive Air Displacement / X Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / X 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.

5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 15 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0909	67.1	7.0	726	5	odor
0916	68.4	7.0	721	10	"
		well	dewatered @	10 gl.	DTW = 12.75
0950	66.5	7.2	721	—	DTW = 8.40

Did well dewater? (Yes) No	Gallons actually evacuated: 10		
Sampling Time: 0950	Sampling Date: 6-27-05		
Sample I.D.: MW-2	Laboratory: Pace (Sequoia) Other ___		
Analyzed for: (GRO) (BTEX) MTBE DRO	Other: See SOW		
D.O. (if req'd): Pre-purge:	mg/L	(Post-purge)	2.5 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050627-DW-1	Station # 4977
Sampler: DW	Date: 6-27-05
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 15.00	Depth to Water: 7.08
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
- Positive Air Displacement
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X 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.

5.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 15.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0857	67.8	7.2	813	5.1	
0858	69.7	7.1	752	10.2	
	well	dewatered @ 11 gl		DTW= 13.20	
0938	66.3	7.3	867	-	DTW= 8.73

Did well dewater? (Yes) No — Gallons actually evacuated: 11

Sampling Time: 0938 — Sampling Date: 6-27-05

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

Analyzed for: (GRO) (BTEX) MTBE DRO — Other: See SOW

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge)	3.3	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

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

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

The contractor performing this work is 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:

4977

Station #

2770 Castro Valley Blvd Castro Valley

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

28

added equip. rinse water 1

any other adjustments

TOTAL GALS. RECOVERED 29

loaded onto BTS vehicle # 48

BTS event #	time	date
050627-DW-1	0945	6/27/05

signature David C Galt

* *

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 RM 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

12 July, 2005

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

RE: ARCO #4977, Castro Valley, CA
Work Order: MOF0947

Enclosed are the results of analyses for samples received by the laboratory on 06/28/05 10:32. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #4977, Castro Valley, CA	MOF0947
1333 Broadway, Suite 800	Project Number:G02C2H-0004	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/12/05 18:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MOF0947-01	Water	06/27/05 09:28	06/28/05 10:32
MW-2	MOF0947-02	Water	06/27/05 09:50	06/28/05 10:32
MW-3	MOF0947-03	Water	06/27/05 09:38	06/28/05 10:32
TB-4977-062705	MOF0947-04	Water	06/27/05 09:38	06/28/05 10:32

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with broken custody seals.

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #4977, Castro Valley, CA	MOF0947
1333 Broadway, Suite 800	Project Number:G02C2H-0004	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/12/05 18:19

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MOF0947-01) Water Sampled: 06/27/05 09:28 Received: 06/28/05 10:32									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5G08002	07/08/05	07/08/05	EPA 8260B	
Benzene	**2.0**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.9**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**8.1**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.78**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**52**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-135*		"	"	"	"	
MW-2 (MOF0947-02) Water Sampled: 06/27/05 09:50 Received: 06/28/05 10:32									
tert-Amyl methyl ether	ND	25	ug/l	50	5G08002	07/08/05	07/08/05	EPA 8260B	
Benzene	**630**	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	5000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	**1200**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**86**	25	"	"	"	"	"	"	
Toluene	**32**	25	"	"	"	"	"	"	
Xylenes (total)	**2900**	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**24000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*60-135*		"	"	"	"	

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #4977, Castro Valley, CA	MOF0947
1333 Broadway, Suite 800	Project Number:G02C2H-0004	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/12/05 18:19

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MOF0947-03) Water	**Sampled: 06/27/05 09:38**	**Received: 06/28/05 10:32**							
tert-Amyl methyl ether	ND	0.50	ug/l	1	5G08002	07/08/05	07/08/05	EPA 8260B	
Benzene	**4.0**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**130**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**13**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**33**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**2.8**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**830**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*		*60-135*	"	"	"	"	

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #4977, Castro Valley, CA	MOF0947
1333 Broadway, Suite 800	Project Number:G02C2H-0004	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/12/05 18:19

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 5G08002 - EPA 5030B P/T / EPA 8260B										
Blank (5G08002-BLK1)				Prepared & Analyzed: 07/08/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*60-135*			
Blank (5G08002-BLK2)				Prepared & Analyzed: 07/08/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.33*		"	*2.50*		*93*	*60-135*			

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #4977, Castro Valley, CA	MOF0947
1333 Broadway, Suite 800	Project Number:G02C2H-0004	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/12/05 18:19

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 5G08002 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5G08002-BS1)				Prepared & Analyzed: 07/08/05						
tert-Amyl methyl ether	10.8	0.50	ug/l	10.0		108	80-115			
Benzene	10.6	0.50	"	10.0		106	65-115			
tert-Butyl alcohol	45.0	20	"	50.0		90	75-150			
Di-isopropyl ether	10.8	0.50	"	10.0		108	75-125			
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0		108	85-120			
1,2-Dichloroethane	10.4	0.50	"	10.0		104	85-130			
Ethanol	184	100	"	200		92	70-135			
Ethyl tert-butyl ether	10.6	0.50	"	10.0		106	75-130			
Ethylbenzene	9.49	0.50	"	10.0		95	75-135			
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	65-125			
Toluene	11.0	0.50	"	10.0		110	85-120			
Xylenes (total)	28.0	0.50	"	30.0		93	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.17*		"	*2.50*		*87*	*60-135*			
Laboratory Control Sample (5G08002-BS2)				Prepared & Analyzed: 07/08/05						
Benzene	6.05	0.50	ug/l	6.08		100	65-115			
Ethylbenzene	7.28	0.50	"	7.84		93	75-135			
Methyl tert-butyl ether	9.13	0.50	"	9.60		95	65-125			
Toluene	36.2	0.50	"	32.9		110	85-120			
Xylenes (total)	35.2	0.50	"	38.5		91	85-125			
Gasoline Range Organics (C4-C12)	474	50	"	440		108	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.26*		"	*2.50*		*90*	*60-135*			
Laboratory Control Sample Dup (5G08002-BSD1)				Prepared & Analyzed: 07/08/05						
tert-Amyl methyl ether	11.0	0.50	ug/l	10.0		110	80-115	2	15	
Benzene	11.5	0.50	"	10.0		115	65-115	8	20	
tert-Butyl alcohol	52.6	20	"	50.0		105	75-150	16	25	
Di-isopropyl ether	11.1	0.50	"	10.0		111	75-125	3	15	
1,2-Dibromoethane (EDB)	11.4	0.50	"	10.0		114	85-120	5	15	
1,2-Dichloroethane	11.1	0.50	"	10.0		111	85-130	7	20	
Ethanol	203	100	"	200		102	70-135	10	35	
Ethyl tert-butyl ether	10.9	0.50	"	10.0		109	75-130	3	25	
Ethylbenzene	10.2	0.50	"	10.0		102	75-135	7	15	
Methyl tert-butyl ether	11.1	0.50	"	10.0		111	65-125	8	20	
Toluene	11.5	0.50	"	10.0		115	85-120	4	20	
Xylenes (total)	30.6	0.50	"	30.0		102	85-125	9	20	

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #4977, Castro Valley, CA	MOF0947
1333 Broadway, Suite 800	Project Number:G02C2H-0004	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/12/05 18:19

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 5G08002 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (5G08002-BSD1)				Prepared & Analyzed: 07/08/05						
Surrogate: 1,2-Dichloroethane-d4	*2.27*		*ug/l*	*2.50*		*91*	*60-135*			
Matrix Spike (5G08002-MS1)	**Source: MOF0947-02**			Prepared & Analyzed: 07/08/05						
Benzene	880	25	ug/l	304	630	82	65-115			
Ethylbenzene	1530	25	"	392	1200	84	75-135			
Methyl tert-butyl ether	563	25	"	480	86	99	65-125			
Toluene	1820	25	"	1640	32	109	85-120			
Xylenes (total)	4410	25	"	1920	2900	79	85-125			LN
Gasoline Range Organics (C4-C12)	44700	2500	"	22000	24000	94	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		*"*	*2.50*		*92*	*60-135*			
Matrix Spike Dup (5G08002-MSD1)	**Source: MOF0947-02**			Prepared & Analyzed: 07/08/05						
Benzene	925	25	ug/l	304	630	97	65-115	5	20	
Ethylbenzene	1620	25	"	392	1200	107	75-135	6	15	
Methyl tert-butyl ether	558	25	"	480	86	98	65-125	0.9	20	
Toluene	1890	25	"	1640	32	113	85-120	4	20	
Xylenes (total)	4680	25	"	1920	2900	93	85-125	6	20	
Gasoline Range Organics (C4-C12)	46300	2500	"	22000	24000	101	70-124	4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.31*		*"*	*2.50*		*92*	*60-135*			

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #4977, Castro Valley, CA	MOF0947
1333 Broadway, Suite 800	Project Number:G02C2H-0004	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/12/05 18:19

Notes and Definitions

LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name: Analytical for QMR sampling

BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 4977 > HistoricalBL

State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fr

Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time:	0820	Temp:	55°
Off-site Time:	1000	Temp:	58°
Sky Conditions:	Cloudy		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: Sequoia	BP/AR Facility No.: 4977	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 2770 Castro Valley Blvd., Castro Valley, CA	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.694794 / -122.084	Oakland, CA 94612
Lab PM: Lisa Race	California Global ID No.: T0600100089	Consultant/Contractor Project No.: 38487034
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G0C2H-0004	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3280 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 04 - Mon/Remed by Natural Attenuation	Report Type & QC Level: Level 1 with EDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Rachel_Lindvall@urscorp.com
Tele/Fax: 925.299.8891 / 925.299.8872	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No: 4977

MS0947

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO / BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Sample-Point Lat/Long and Comments
1	MW-1	0928	6-27		X		01	3				X		X	X	X	X	
2	MW-2	0950	"		"		02	3				"		X	X	X	X	
3	MW-3	0938	"		"		03	3				"		X	X	X	X	
4	TB-4977-060705	—	"		"		04	2				"						ON HOLD
5																		
6																		
7																		
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: DAVE WALTER						
Sampler's Company: Blaine Tech	David C. Walter	6-27-05	1500	Mutual Drayage (Sample Custody)	6/27/05	1500
Shipment Date:	SAMPLE CUSTODY	6/28/05	0956		6/28/05	9:58
Shipment Method:		6/28/05	1032		6/28/05	10:32
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes X No Temp Blank Yes X No Cooler Temperature on Receipt 5.3 °F/C Trip Blank Yes X No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): ebf
WORKORDER: 1MOF0947

DATE REC'D AT LAB: 6/28/05
TIME REC'D AT LAB: 10:32
DATE LOGGED IN: 6-28-05

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) (Present) / Absent; Intact / (Broken)			MW-1	40ml VOA-3	HCl	—	L	6/27/05	
2. Chain-of-Custody (Present) / Absent*			MW-2	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / Absent			MW-3	↓	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / Absent			TB-4977-062705	40ml VOA-2	↓	↓	↓	↓	
5. Airbill #:									
6. Sample Labels: (Present) / Absent									
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper Preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) (Yes) / No*									
14. Temp Rec. at Lab: 5.3°C; Is temp 4 +/-2°C? (Yes) / No** (Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON ICE or Problem COC									

6/28/05 OK

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

ATTACHMENT C

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL GEO_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	7/15/2005 2:50:30 PM

Processing is complete. No errors were found!
You may now proceed to the upload page.

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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:	**2Q 2005 BP/ARCO 4977 GEOWELL**
Submittal Date/Time:	**7/15/2005 2:52:04 PM**
Confirmation Number:	**5693011224**

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	7/15/2005 2:54:22 PM
GLOBAL ID:	T0600100089
FILE UPLOADED:	ARCO#4977-EDF-MOF0947.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

Click here to view the detections report for this upload.

ARCO
2770 CASTRO VALLEY BLVD
CASTRO VALLEY, CA 94546

Regional Board - Case #: 01-0097
SAN FRANCISCO BAY RWQCB (REGION 2) - **(RDB)**
Local Agency (lead agency) - Case #: 01-0097
ALAMEDA COUNTY LOP - **(RWS)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	3
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 1275316953
Date/Time of Submittal: 7/15/2005 2:55:43 PM
Facility Global ID: T0600100089
Facility Name: ARCO
Submittal Title: 2Q 2005 BP/ARCO 4977 EDF
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO 2770 CASTRO VALLEY BLVD CASTRO VALLEY, CA 94546	**Regional Board - Case #: 01-0097** SAN FRANCISCO BAY RWQCB (REGION 2) - **(RDB)** **Local Agency (lead agency) - Case #: 01-0097** ALAMEDA COUNTY LOP - **(RWS)**

CONF #	TITLE	QUARTER
1275316953	2Q 2005 BP/ARCO 4977 EDF	Q2 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	7/15/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	3
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.