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URS

Alameda County
JUN 18 2003
Environmental Health

June 13, 2003

Mr. ~~Barney Chan~~ Don
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Second Quarter 2003 Status Report**
ARCO Service Station # 0276
10600 MacArthur Boulevard
Oakland, California
URS Project #38486084

Dear Mr. Chan:

On behalf of Atlantic Richfield Company (ARCO-an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Second Quarter 2003 Status Report* for the ARCO Service Station #0276, located at 10600 MacArthur Boulevard, Oakland, California.

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

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

Enclosure: Second Quarter 2003 Status Report

cc: Mr. Paul Supple, ARCO, PO Box 6549 Moraga, CA 94570

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

Date: June 13, 2003

Quarter: 2Q 03

ATLANTIC RICHFIELD COMPANY QUARTERLY STATUS REPORT

Facility No.: 0276 Address:	10600 MacArthur Boulevard, California
Atlantic Richfield Co. Environmental Engineer:	Paul Supple
Consulting Co./Contact Person:	URS Corporation / Scott Robinson / (510) 874-3280
Consultant Project No.:	38486084
Primary Agency:	Alameda County Health Care Services Agency

WORK PERFORMED THIS QUARTER (Second – 2003):

1. No environmental work was conducted at the site during the second quarter 2003.
2. Prepared and submitted second quarter 2003 status report.

WORK PROPOSED FOR NEXT QUARTER (Third – 2003):

1. No environmental work is expected for the site during the third quarter 2003.
2. Prepare and submit third quarter 2003 status report.

URS

March 5, 2004

Mr. Don Hwang
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Second Floor, Suite 250
Alameda, CA 94502

Re: First Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #0276
10600 MacArthur Boulevard
Oakland, California
URS Project #38486701

Dear Mr. Hwang:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *First Quarter 2004 Groundwater Monitoring Report* for ARCO Service Station #0276, located at 10600 MacArthur Boulevard, Oakland, California.

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

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

James F. Durkin, C.Hg.
Senior Geologist

REGISTERED GEOLOGIST
JAMES F DURKIN
No. 759
CERTIFIED HYDROGEOLOGIST
Exp. 2/28/05
STATE OF CALIFORNIA

Enclosure: First Quarter 2004 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)

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

Atlantic Richfield Company
(a BP affiliated company)

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

March 5, 2004

RE: First Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #0276
10600 MacArthur Boulevard
Oakland, California
URS Project #38486701

"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

REPORT

FIRST QUARTER 2004 GROUNDWATER MONITORING

ARCO SERVICE STATION #0276
10600 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

Prepared for
Atlantic Richfield Company

March 5, 2004

URS
URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486701

ATTACHMENTS:

- Figure 1 - Groundwater Elevation Contour and Analytical Summary Map – February 3, 2004
- Table 1 - Groundwater Elevation and Analytical Data
- Table 2 - Fuel Oxygenates 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 - Historic Groundwater Data
- Attachment D - EDCC and EDF/Geowell Submittal Confirmation

Date: March 5, 2004
Quarter: 1Q 04

ATLANTIC RICHFIELD COMPANY ANNUAL GROUNDWATER MONITORING REPORT

Facility No.:	0276	Address:	10600 MacArthur Boulevard, Oakland, California
ARCO Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486701
Primary Agency:			Alameda County Health Care Services Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (First – 2004):

1. Performed first quarter 2004 groundwater monitoring event on February 3, 2004.
2. Prepared first quarter 2004 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (First – 2004):

1. Perform second quarter 2004 groundwater monitoring event.
2. Prepare and submit second quarter 2004 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-1 through MW-8, RW-1 and WGR-3.
Frequency of Groundwater Monitoring:	Quarterly (beginning 3Q03)
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Natural Attenuation (ORC sock in MW-2)
Approximate Depth to Groundwater:	13.63 (MW-2) to 32.17 (MW-6) feet
Groundwater Gradient (direction):	South-Southwest
Groundwater Gradient (magnitude):	0.003 feet per foot

DISCUSSION:

Due to a recent new release discovered during line up-grade work, this Site is being monitored quarterly since September 2003 (3Q 2003) for GRO/TPH-g, BTEX, fuel oxygenates, 1,2-DCA, and EDB. This site was previously sampled on an annual basis for PCE only.

During this quarter, all groundwater samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE. GRO was detected above the laboratory reporting limit in five of the ten wells sampled at concentrations ranging from 53 µg/L (MW-7) to 180 µg/L (MW-2). MTBE was detected above laboratory reporting limits in five wells, at concentrations ranging from 7 µg/L (WGR-3) to 470 µg/L (MW-8). TAME was detected above the laboratory reporting limit in three wells, at concentrations ranging from 2 µg/L (WGR-3) to 16 µg/L (MW-2). PCE was detected in seven wells at concentrations ranging from of 0.74 µg/L (MW-7) to 220 µg/L (MW-6).

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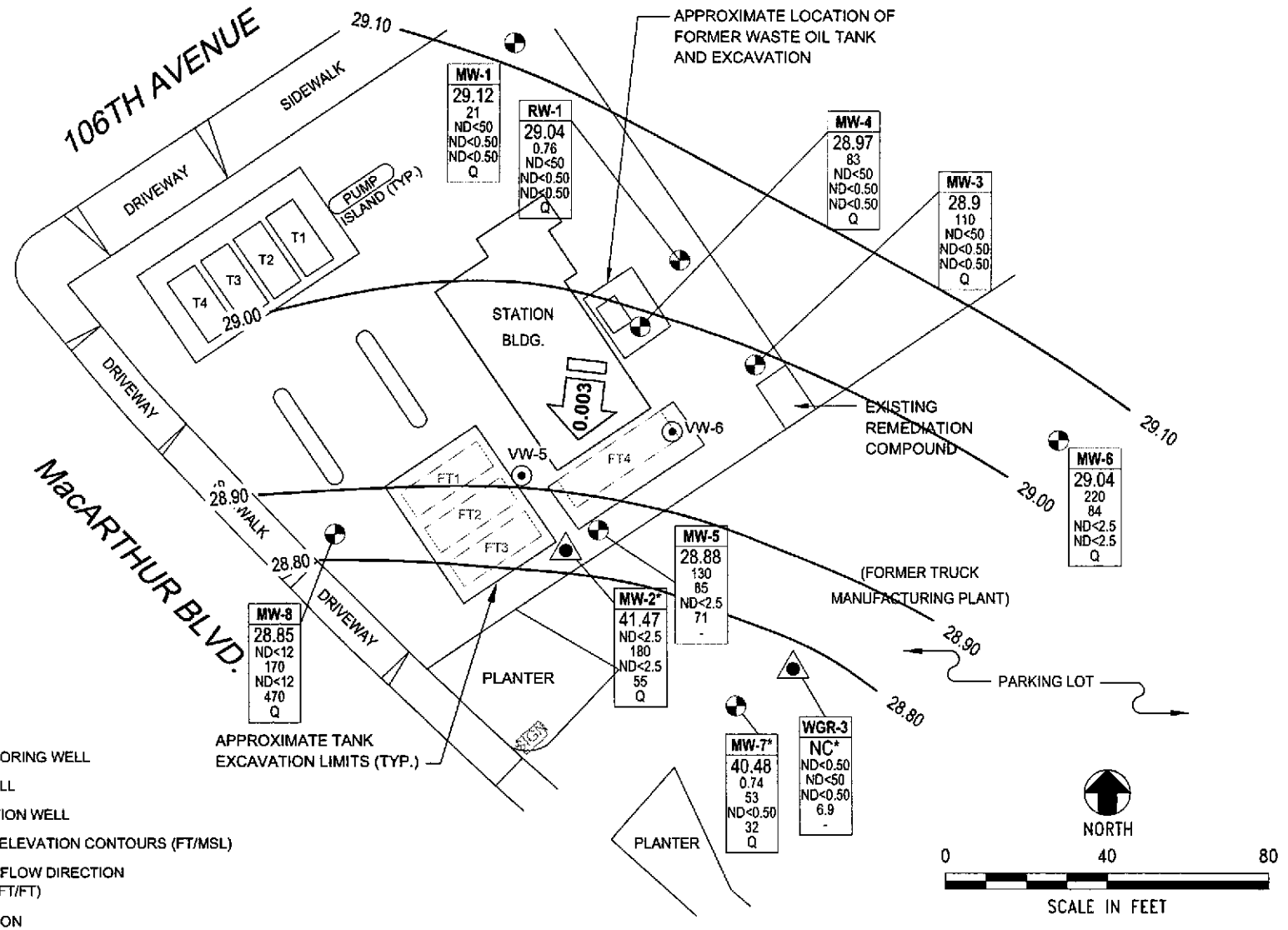

LEGEND

- SHALLOW MONITORING WELL
- MONITORING WELL
- VAPOR EXTRACTION WELL
- 26.30 — GROUNDWATER ELEVATION CONTOURS (FT/MSL)
- 0.003 — GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- Well ID — WELL DESIGNATION
- ELEV. — GROUNDWATER ELEVATION (FT/MSL)
- PCE, GRO, BENZENE AND MTBE CONCENTRATIONS IN GROUNDWATER (µg/L)
  - PCE
  - GRO
  - BENZ.
  - MTBE
- Q — SAMPLING FREQUENCY
- * — NOT USED IN GROUNDWATER CONTOURS
- NC — NOT CALCULATED
- NS — NOT SAMPLED
- Q — SAMPLED QUARTERLY

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

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

URS

Project No. 38486701

ARCO Service Station 0276
10600 MacArthur Boulevard
Oakland, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP First Quarter 2004 (February 3, 2004)

FIGURE 1

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #0276
10600 MacArthur Boulvard
Oakland, California

Well Number	Date Sampled	Purged/Not Purged (P/NP)	TOC Elevation (ft, MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft, bgs)	Depth to Water (ft, TOC)	Groundwater Elevation (ft, MSL)	GRO/TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO [d] (mg/L)	pH [d]
MW-1	12/17/00		55.92	19.00	38.80	29.16	26.76	5.09	ND	ND	ND	NA	NA	NA	NA
	12/28/01					27.38	28.54	8.8	ND	ND	ND	NA	NA	NA	NA
	11/27/02	NP				29.45	26.47	4.2	NA	NA	NA	NA	NA	2.3	6.7
	07/22/03	NP				27.58	28.34	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.1	6.7
	11/07/03	NP				30.42	25.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.1	6.6
	02/03/04	**NP**				**26.80**	**29.12**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**1.5**	**6.8**
MW-2	12/17/00		55.10	15.00	27.60	15.72	39.38	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/01					27.38	27.72	NS	NS	NS	NS	NS	NS	NS	NS
	11/27/02					16.35	38.75	NS	NS	NS	NS	NS	NS	NS	NS
	07/22/03					16.20	38.90	NS	NS	NS	NS	NS	NS	NS	NS
	11/07/03	P				18.22	36.88	990	ND<5.0	ND<5.0	ND<5.0	ND<5.0	110	1.8	6.7
	02/03/04	**P**				**13.63**	**41.47**	**180**	**ND<2.5**	**ND<2.5**	**2.6**	**4.1**	**55**	**1.8**	**6.6**
MW-3	12/17/00		56.55	22.00	38.60	29.78	26.77	158	ND	ND	ND	NA	NA	NA	NA
	12/28/01					27.95	28.60	310	20	1.5	13	NA	NA	NA	NA
	11/27/02	NP				30.10	26.45	110	NA	NA	NA	NA	NA	2.0	7.2
	07/22/03	NP				28.32	28.23	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.2	5.9
	11/07/03	NP				30.86	25.69	70	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.8	6.5
	02/03/04	**NP**				**27.65**	**28.90**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**2.1**	**6.7**
MW-4	12/17/00		55.98	25.00	48.30	29.22	26.76	225	ND	ND	ND	NA	NA	NA	NA
	12/28/01					27.37	28.61	160	1.2	ND	ND	NA	NA	NA	NA
	11/27/02	NP				29.55	26.43	95	NA	NA	NA	NA	NA	3.7	6.7
	07/22/03	NP				27.73	28.25	130	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.9	6.6
	11/07/03	NP				30.41	25.57	59	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	6.5
	02/03/04	**NP**				**27.01**	**28.97**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**4.2**	**7.1**
MW-5	12/17/00		55.43	32.20	47.00	28.82	26.61	1,040	ND	ND	ND	NA	NA	NA	NA
	12/28/01					26.91	28.52	3,200	190	36	140	1.9 [a], 3.2 [b], 2.0 [c]	NA	NA	NA
	11/27/02	P				29.15	26.28	110	NA	NA	NA	NA	NA	1.4	6.4
	07/22/03	P				27.43	28.00	160	ND<1.0	ND<1.0	ND<1.0	ND<1.0	110	1.5	6.6
	11/07/03	P				29.99	25.44	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	120	0.6	6.2
	02/03/04	**P**				**26.55**	**28.88**	**85**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**71**	**1.7**	**6.7**
MW-6	12/17/00		61.21	37.00	54.10	34.61	26.60	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/01					32.80	28.41	NS	NS	NS	NS	NS	NS	NS	NS
	11/27/02					35.00	26.21	NS	NS	NS	NS	NS	NS	NS	NS
	07/22/03					33.17	28.04	NS	NS	NS	NS	NS	NS	NS	NS
	11/7/2003 [e, f]	P				35.70	25.51	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2.7	6.9
	02/03/04	**P**				**32.17**	**29.04**	**84**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**1.9**	**7.0**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #0276
10600 MacArthur Boulvard
Oakland, California

Well Number	Date Sampled	Purged/Not Purged (P/NP)	TOC Elevation (ft, MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft, bgs)	Depth to Water (ft, TOC)	Groundwater Elevation (ft, MSL)	GRO/TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO [d] (mg/L)	pH [d]
MW-7	12/17/00		58.22	17.50	55.00	19.94	38.28	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/01					17.29	40.93	NS	NS	NS	NS	NS	NS	NS	NS
	11/27/02					21.30	36.92	NS	NS	NS	NS	NS	NS	NS	NS
	07/22/03					21.36	36.86	NS	NS	NS	NS	NS	NS	NS	NS
	11/7/2003[c]	P				23.76	34.46	3200	15	ND<2.5	130	11	53	2.2	6.8
	02/03/04	**P**				**17.74**	**40.48**	**53**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**0.54**	**32**	**1.9**	**6.4**
MW-8	12/17/00		53.65	29.00	47.70	27.02	26.63	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/01					24.99	28.66	NS	NS	NS	NS	NS	NS	NS	NS
	11/27/02					27.45	26.20	NS	NS	NS	NS	NS	NS	NS	NS
	07/22/03					25.74	27.91	NS	NS	NS	NS	NS	NS	NS	NS
	11/07/03	P				28.27	25.38	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	440	2.6	6.5
	02/03/04	**P**				**24.8**	**28.85**	**170 [g]**	**ND<12**	**ND<12**	**ND<12**	**ND<12**	**470**	**3.0**	**6.7**
RW-1	12/17/00		56.32	NR	48.90	29.57	26.75	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/01					27.64	28.68	NS	NS	NS	NS	NS	NS	NS	NS
	11/27/02					29.93	26.39	NS	NS	NS	NS	NS	NS	NS	NS
	07/22/03					28.09	28.23	NS	NS	NS	NS	NS	NS	NS	NS
	11/07/03	P				30.64	25.68	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.1	7.0
	02/03/04	**P**				**27.28**	**29.04**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**6.7**	**7.1**
WGR-3	12/17/00		NR	22.00	27.50	19.21	NR	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/01		NR			DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	11/27/02		NR			20.60	NR	NS	NS	NS	NS	NS	NS	NS	NS
	07/22/03		NR			20.77	NR	NS	NS	NS	NS	NS	NS	NS	NS
	11/07/03	P	NR			23.11	NR	53	ND<0.50	ND<0.50	ND<0.50	ND<0.50	45	0.9	6.4
	02/03/04	**P**	**NR**			**16.60**	**NR**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**6.9**	**2.6**	**6.6**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #0276
10600 MacArthur Boulvard
Oakland, California

Well Number	Date Sampled	Purged/Not Purged (P/NP)	TOC Elevation (ft, MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft, bgs)	Depth to Water (ft, TOC)	Groundwater Elevation (ft, MSL)	GRO/TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO [d] (mg/L)	pH [d]

Note Groundwater samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE

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

bgs = below ground surface
DIPE = Di-isopropyl ether
DO = Dissolved Oxygen
ETBE = Ethyl tert-butyl ether
ft. = feet
GRO = Gasoline Range Organics
mg/L = Milligrams per liter
MSL = relative to mean sea level
MTBE = Methyl tert-butyl ether
ND< = None detected
NP = Not purged
NR = Not reported; data not available or not measurable
NS = Not sampled
P = Purged
TAME = Tert-amyl methyl ether
TBA = Tert-butyl alcohol
TOC = Top of Casing
TPG = Total Petroleum Hydrocarbons
µg/L = Micrograms per liter
a = 1,1 DCE
b = 1,2 DCA
c = Chlorobenzene
d = pH and DO levels are field measurements
e = sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was performed past the recommended hold time. Results may still be used for intended purpose.
f = The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits
g = Discrete peak @ C5
Source : The data within this table collected prior to November 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2
Fuel Oxygenates Analytical Data

ARCO Service Station #0276
10600 MacArthur Boulvard
Oakland, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	PCE (µg/L)	TCE (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	trans-1,2-DCE (µg/L)	cis-1,2-DCE (µg/L)	VOCs (µg/L)
MW-1	12/17/00	NA	NA	NA	NA	NA	NA	5.09	ND	NA	NA	ND	ND	NA
	12/28/01	NA	NA	NA	NA	NA	NA	8.8	ND	NA	NA	ND	ND	NA
	11/27/02	NA	NA	NA	NA	NA	NA	4.2	NA	NA	NA	NA	NA	NA
	07/22/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.0	NA	ND<0.50	ND<0.50	NA	NA	NA
	11/07/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.0	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**21**	**NA**	**ND<0.50**	**ND<0.50**	**NA**	**NA**	**NA**
MW-2	11/07/03	ND<1000	ND<200	110	ND<5.0	ND<5.0	28	ND<5.0	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<500**	**ND<100**	**55**	**ND<5.0**	**ND<5.0**	**16**	**ND<2.5**	**NA**	**ND<2.5**	**ND<2.5**	**NA**	**NA**	**NA**
MW-3	12/17/00	NA	NA	NA	NA	NA	NA	158	ND	NA	NA	ND	ND	NA
	12/28/01	NA	NA	NA	NA	NA	NA	310	20	NA	NA	1.5	13	NA
	11/27/02	NA	NA	NA	NA	NA	NA	110	NA	NA	NA	NA	NA	NA
	07/22/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	80	NA	ND<0.50	ND<0.50	NA	NA	NA
	11/07/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	80	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**110**	**NA**	**ND<0.50**	**ND<0.50**	**NA**	**NA**	**NA**
MW-4	12/17/00	NA	NA	NA	NA	NA	NA	225	ND	NA	NA	ND	ND	NA
	12/28/01	NA	NA	NA	NA	NA	NA	160	1.2	NA	NA	ND	ND	NA
	11/27/02	NA	NA	NA	NA	NA	NA	95	NA	NA	NA	NA	NA	NA
	07/22/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	94	NA	ND<0.50	ND<0.50	NA	NA	NA
	11/07/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	68	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**83**	**NA**	**ND<0.50**	**ND<0.50**	**NA**	**NA**	**NA**
MW-5	12/17/00	NA	NA	NA	NA	NA	NA	1,040	ND	NA	NA	ND	ND	NA
	12/28/01	NA	NA	NA	NA	NA	NA	3,200	190	NA	NA	36	140	1.9[a], 3.2[b], 2.0[c]
	11/27/02	NA	NA	NA	NA	NA	NA	110	NA	NA	NA	NA	NA	NA
	07/22/03	ND<200	ND<40	110	1.4	ND<1.0	3.2	55	NA	12	ND<1.0	NA	NA	NA
	11/07/03	ND<500	ND<100	120	ND<2.5	ND<2.5	6.6	42	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<500**	**ND<100**	**71**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**130**	**NA**	**12**	**ND<2.5**	**NA**	**NA**	**NA**
MW-6	11/07/03	ND<1000	ND<200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	560	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<500**	**ND<100**	**ND<2.5**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**220**	**NA**	**ND<2.5**	**ND<2.5**	**NA**	**NA**	**NA**
MW-7	11/07/03	ND<500	ND<100	53	ND<2.5	ND<2.5	13	ND<2.5	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<100**	**ND<20**	**32**	**ND<1.0**	**ND<1.0**	**7.4**	**0.74**	**NA**	**ND<0.50**	**ND<0.50**	**NA**	**NA**	**NA**
MW-8	11/07/03	ND<1000	ND<200	440	ND<5.0	ND<5.0	18	ND<5.0	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<2,500**	**ND<500**	**470**	**ND<25**	**ND<25**	**ND<25**	**ND<12**	**NA**	**ND<12**	**ND<12**	**NA**	**NA**	**NA**

Table 2
Fuel Oxygenates Analytical Data

ARCO Service Station #0276
10600 MacArthur Boulvard
Oakland, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	PCE (µg/L)	TCE (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	trans-1,2-DCE (µg/L)	cis-1,2-DCE (µg/L)	VOCs (µg/L)
RW-1	11/07/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.1	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**0.76**	**NA**	**ND<0.5**	**ND<0.50**	**NA**	**NA**	**NA**
WGR-3	11/07/03	ND<100	ND<20	45	ND<0.50	ND<0.50	10	ND<0.50	NA	NA	NA	NA	NA	NA
	02/03/04	**ND<100**	**ND<20**	**6.9**	**ND<1.0**	**ND<1.0**	**1.6**	**ND<0.50**	**NA**	**ND<0.50**	**ND<0.50**	**NA**	**NA**	**NA**

Note Tetrachloroethene analyzed using EPA Method 8260B. Samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE

1,2-DCA = 1,2-Dichloroethane
cis-1,2-DCE = cis-1,2-Dichloroethene
EDB = 1,2-Dibromoethane
NA = Not analyzed
ND< = Not detected at or above laboratory reporting limit
PCE = Tetra chloroethene
TCE = Trichloroethene
trans-1,2-DCE = trans 1,2-Dichloroethene
µg/L = Micrograms per liter
VOC = Volatile Organic Compounds
a = 1,1 DCE
b = 1,2 DCA
c = Chlorobenzene

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

Table 3
Groundwater Flow Direction and Gradient

ARCO Service Station #0276
10600 MacArthur Boulevard,
Oakland, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
12/17/00	South-Southeast	0.003
12/28/01	Southeast	0.002
11/27/02	South-Southeast	0.003
07/22/03	South	0.007
11/07/03	Southwest	0.004
02/03/04	**South-Southwest**	**0.002**

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

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

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

WELL GAUGING DATA

Project # 040203-AC1 Date 2/3/04 Client 276

Site 10600 MacArthur Blvd. Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOS~~	NP@
MW-1	2					26.80	38.80	TOC	19'
* MW-2	4					13.63	27.60		
MW-3	2					27.65	38.60		22'
MW-4	2					27.01	48.30		25'
MW-5	4					26.55	47.00		
MW-6	2					32.17	54.10		
MW-7	2					17.74	55.00		
MW-8	4					24.80	47.70		
RW-1	6					27.28	48.90		
WGR-3	4					16.60	17.50	↓	
* gauged w/ ORC's in well									

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 38.80	Depth to Water: 26.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / ~~Disposable Bailer~~ / Positive Air Displacement / Electric Submersible / ~~Extraction Pump~~ / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: 19'

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

grab sample (1 Case Volume (Gals.)) X ____ (Specified Volumes) = ____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1205	62.5	6.8	1806	----	clear

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

Sampling Time: 1205 Sampling Date: 2/3/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, Ethanol & PCE, 1,2DCE, 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 #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 27.60	Depth to Water: 13.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: ____

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

9.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 28.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1022	59.0	6.7	439	9.5	clear/odor
1024	62.9	6.6	440	19	"
1026	64.0	6.5	442	28.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 28.5

Sampling Time: 1035 Sampling Date: 2/3/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol & PCE, 1-2DCA, EDB

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 38.60	Depth to Water: 27.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / ~~Disposable Bailer~~ / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: 22'

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

grab sample (1 Case Volume (Gals.)) X ____ (Specified Volumes) = ____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1245	60.2	6.7	908	—	clear

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

Sampling Time: 1245 Sampling Date: 2/3/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OxY's, Ethanol & PCE, 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 #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 48.30	Depth to Water: 27.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: 25'

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

grab sample (1 Case Volume (Gals.)) x _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1235	61.7	7.1	676	—	clear

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

Sampling Time: 1235 Sampling Date: 2/3/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, Ethanol & PCE, 1-2DCA, EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	4.2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 47.00	Depth to Water: 26.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: ____

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

13.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 40.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1043	63.8	6.6	936	13.5	Clear/odor
1046	65.1	6.6	1018	27	"
1049	66.1	6.7	1046	40.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 40.5

Sampling Time: 1055 Sampling Date: 2/3/04

Sample I.D.: MW-5 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol & PCE, 1-2DCA, EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	1.7 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 54.10	Depth to Water: 32.17
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) / 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.

3.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 10.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or ~~uS~~)	Gals. Removed	Observations
0851	61.2	7.2	1718	3.5	slightly cloudy
0856	61.3	7.0	1709	7	clear
0902	61.0	7.0	1694	10.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Time: 0910 Sampling Date: 2/3/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol & PCE, 1-2 DCA, EDB

D.O. (if req'd):	Pre-purge:		mg/L	(Post-purge:)	1.9 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 55.00	Depth to Water: 17.74
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) / 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.

6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 18 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0947	59.2	6.4	478	6	clear/odor
0957	61.6	6.5	469	12	"
1007	62.9	6.4	470	18	"

Did well dewater? Yes (No) Gallons actually evacuated: 18

Sampling Time: 1010 Sampling Date: 2/3/04

Sample I.D.: MW-7 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol & PCE, 1-2DCA, EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	1.9	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 47.70	Depth to Water: 24.80
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 / (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.

15 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 45 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1112	64.4	6.7	851	15	clear, odor
1115	65.6	6.8	777	30	"
1118	66.1	6.7	756	45	"

Did well dewater? Yes (No) Gallons actually evacuated: 45

Sampling Time: 1125 Sampling Date: 2/3/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol & PCE, 1-2DCA, EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	3.0 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040203-AC1	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth: 48.90	Depth to Water: 27.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

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

32 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 96 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1234	58.0	7.2	1083	32	clear
1241	60.0	7.0	865	64	"
1248	59.3	7.1	1073	96	"

Did well dewater? Yes (No) Gallons actually evacuated: 96

Sampling Time: 1255 Sampling Date: 2/3/04

Sample I.D.: RW-1 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol & PCE, 1-2DCA, EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	4.4 6.7 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040203-ACI	Station # 276
Sampler: AC	Date: 2/3/04
Well I.D.: WGR-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 27.50	Depth to Water: 16.60
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 / (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.

7.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 22.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0917	61.3	7.0	549	7.5	clear
0919	64.5	6.6	503	15	"
0921	65.2	6.6	506	22.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Time: 0930 Sampling Date: 2/3/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's, Ethanol & PCE, 1-2DCA, EDB

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	2.6	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:

276

Station #

10600 MacArthur Blvd. Oakland

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

225

added equip. rinse water 10

any other adjustments

TOTAL GALS. RECOVERED 235

loaded onto BTS vehicle # 52

BTS event # 040203-AC1

time 1330

date 2/3/04

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 ARCO 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

19 February, 2004

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

RE: ARCO #0276, Oakland, CA
Work Order: MNB0148

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

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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Morgan Hill, CA 95037
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URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MNB0148-01	Water	02/03/04 12:05	02/04/04 17:20
MW-2	MNB0148-02	Water	02/03/04 10:35	02/04/04 17:20
MW-3	MNB0148-03	Water	02/03/04 12:45	02/04/04 17:20
MW-4	MNB0148-04	Water	02/03/04 12:35	02/04/04 17:20
MW-5	MNB0148-05	Water	02/03/04 10:55	02/04/04 17:20
MW-6	MNB0148-06	Water	02/03/04 09:10	02/04/04 17:20
MW-7	MNB0148-07	Water	02/03/04 10:10	02/04/04 17:20
MW-8	MNB0148-08	Water	02/03/04 11:25	02/04/04 17:20
RW-1	MNB0148-09	Water	02/03/04 12:55	02/04/04 17:20
WGR-3	MNB0148-10	Water	02/03/04 09:30	02/04/04 17:20
TB/276/02032004	MNB0148-11	Water	02/03/04 00:00	02/04/04 17:20

These samples were received with intact custody seals.

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URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MNB0148-01) Water Sampled: 02/03/04 12:05 Received: 02/04/04 17:20									
Gasoline Range Organics	ND	50	ug/l	1	4020203	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*98 %*	*65-135*		"	"	"	"	
MW-2 (MNB0148-02) Water Sampled: 02/03/04 10:35 Received: 02/04/04 17:20									
Gasoline Range Organics	**180**	100	ug/l	2	4020203	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*97 %*	*65-135*		"	"	"	"	
MW-3 (MNB0148-03) Water Sampled: 02/03/04 12:45 Received: 02/04/04 17:20									
Gasoline Range Organics	ND	50	ug/l	1	4020203	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	
MW-4 (MNB0148-04) Water Sampled: 02/03/04 12:35 Received: 02/04/04 17:20									
Gasoline Range Organics	ND	50	ug/l	1	4020203	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*100 %*	*65-135*		"	"	"	"	
MW-5 (MNB0148-05) Water Sampled: 02/03/04 10:55 Received: 02/04/04 17:20									
Gasoline Range Organics	**85**	50	ug/l	1	4020203	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*98 %*	*65-135*		"	"	"	"	
MW-6 (MNB0148-06) Water Sampled: 02/03/04 09:10 Received: 02/04/04 17:20									
Gasoline Range Organics	**84**	50	ug/l	1	4020212	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*89 %*	*65-135*		"	"	"	"	
MW-7 (MNB0148-07) Water Sampled: 02/03/04 10:10 Received: 02/04/04 17:20									
Gasoline Range Organics	**53**	50	ug/l	1	4020212	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*65-135*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Purgeable Hydrocarbons by EPA 8015B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MNB0148-08) Water Sampled: 02/03/04 11:25 Received: 02/04/04 17:20									
Gasoline Range Organics	**170**	50	ug/l	1	4020212	02/09/04	02/09/04	EPA 8015B-VOA	HC-19
Surrogate: 4-Bromofluorobenzene		*94 %*	*65-135*		"	"	"	"	
RW-1 (MNB0148-09) Water Sampled: 02/03/04 12:55 Received: 02/04/04 17:20									
Gasoline Range Organics	ND	50	ug/l	1	4020212	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*65-135*		"	"	"	"	
WGR-3 (MNB0148-10) Water Sampled: 02/03/04 09:30 Received: 02/04/04 17:20									
Gasoline Range Organics	ND	50	ug/l	1	4020212	02/09/04	02/09/04	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*91 %*	*65-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MNB0148-01) Water Sampled: 02/03/04 12:05 Received: 02/04/04 17:20									
Tetrachloroethene	**21**	0.50	ug/l	1	4020282	02/12/04	02/12/04	EPA 8260B	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*97 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*86-119*	"	"	"	"	
MW-2 (MNB0148-02) Water Sampled: 02/03/04 10:35 Received: 02/04/04 17:20									
Tetrachloroethene	ND	2.5	ug/l	5	4020334	02/13/04	02/13/04	EPA 8260B	
Tert-amyl methyl ether	**16**	5.0	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethylbenzene	**2.6**	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**55**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	**4.1**	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*87 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*86-119*	"	"	"	"	

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

URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MNB0148-03) Water Sampled: 02/03/04 12:45 Received: 02/04/04 17:20									
Tert-amyl methyl ether	ND	1.0	ug/l	1	4020282	02/12/04	02/12/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*90 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*86-119*	"	"	"	"	
MW-3 (MNB0148-03RE1) Water Sampled: 02/03/04 12:45 Received: 02/04/04 17:20									
Tetrachloroethene	**110**	5.0	ug/l	10	4020334	02/13/04	02/13/04	EPA 8260B	
Surrogate: Dibromofluoromethane		*98 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*89 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*86-119*	"	"	"	"	
MW-4 (MNB0148-04) Water Sampled: 02/03/04 12:35 Received: 02/04/04 17:20									
Tert-amyl methyl ether	ND	1.0	ug/l	1	4020282	02/12/04	02/12/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MNB0148-04) Water Sampled: 02/03/04 12:35 Received: 02/04/04 17:20									
Surrogate: Dibromofluoromethane		*101 %*		*84-122*	*4020282*	*02/12/04*	*02/12/04*	*EPA 8260B*	
Surrogate: 1,2-Dichloroethane-d4		*122 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*99 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*		*86-119*	"	"	"	"	
MW-4 (MNB0148-04RE1) Water Sampled: 02/03/04 12:35 Received: 02/04/04 17:20									
Tetrachloroethene	**83**	5.0	ug/l	10	4020334	02/13/04	02/13/04	EPA 8260B	
Surrogate: Dibromofluoromethane		*96 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*92 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*		*86-119*	"	"	"	"	
MW-5 (MNB0148-05) Water Sampled: 02/03/04 10:55 Received: 02/04/04 17:20									
Tetrachloroethene	**130**	2.5	ug/l	5	4020282	02/12/04	02/12/04	EPA 8260B	
Tert-amyl methyl ether	ND	5.0	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	**12**	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**71**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*118 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*99 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*		*86-119*	"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MNB0148-06) Water Sampled: 02/03/04 09:10 Received: 02/04/04 17:20									
Tetrachloroethene	**220**	2.5	ug/l	5	4020282	02/12/04	02/12/04	EPA 8260B	
Tert-amyl methyl ether	ND	5.0	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*95 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*86-119*	"	"	"	"	
MW-7 (MNB0148-07) Water Sampled: 02/03/04 10:10 Received: 02/04/04 17:20									
Tetrachloroethene	**0.74**	0.50	ug/l	1	4020282	02/12/04	02/12/04	EPA 8260B	
Tert-amyl methyl ether	**7.4**	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**32**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.54**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*120 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*98 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*117 %*		*86-119*	"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MNB0148-08) Water Sampled: 02/03/04 11:25 Received: 02/04/04 17:20									
Tetrachloroethene	ND	12	ug/l	25	4020282	02/12/04	02/12/04	EPA 8260B	
Tert-amyl methyl ether	ND	25	"	"	"	"	"	"	
Benzene	ND	12	"	"	"	"	"	"	
Tert-butyl alcohol	ND	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	12	"	"	"	"	"	"	
1,2-Dichloroethane	ND	12	"	"	"	"	"	"	
Ethanol	ND	2500	"	"	"	"	"	"	
Ethylbenzene	ND	12	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**470**	12	"	"	"	"	"	"	
Toluene	ND	12	"	"	"	"	"	"	
Xylenes (total)	ND	12	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*85 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*86-119*	"	"	"	"	
RW-1 (MNB0148-09) Water Sampled: 02/03/04 12:55 Received: 02/04/04 17:20									
Tetrachloroethene	**0.76**	0.50	ug/l	1	4020282	02/12/04	02/12/04	EPA 8260B	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*93 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*		*86-119*	"	"	"	"	

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885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
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URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WGR-3 (MNB0148-10) Water	**Sampled: 02/03/04 09:30**	**Received: 02/04/04 17:20**							
Tetrachloroethene	ND	0.50	ug/l	1	4020309	02/12/04	02/12/04	EPA 8260B	
Tert-amyl methyl ether	**1.6**	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**6.9**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*92 %*		*84-119*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*		*86-119*	"	"	"	"	

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1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Purgeable Hydrocarbons by EPA 8015B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020203 - EPA 5030B, waters										
Blank (4020203-BLK1)				Prepared & Analyzed: 02/09/04						
Gasoline Range Organics	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*286*		"	*300*		*95*	*65-135*			
Laboratory Control Sample (4020203-BS1)				Prepared & Analyzed: 02/09/04						
Gasoline Range Organics	2720	50	ug/l	2750		99	65-135			
Surrogate: 4-Bromofluorobenzene	*309*		"	*300*		*103*	*65-135*			
Matrix Spike (4020203-MS1)	**Source: P402070-04**			Prepared & Analyzed: 02/09/04						
Gasoline Range Organics	31100	500	ug/l	27500	4400	97	65-135			
Surrogate: 4-Bromofluorobenzene	*307*		"	*300*		*102*	*65-135*			
Matrix Spike Dup (4020203-MSD1)	**Source: P402070-04**			Prepared & Analyzed: 02/09/04						
Gasoline Range Organics	30200	500	ug/l	27500	4400	94	65-135	3	20	
Surrogate: 4-Bromofluorobenzene	*313*		"	*300*		*104*	*65-135*			
Batch 4020212 - EPA 5030B, waters										
Blank (4020212-BLK1)				Prepared & Analyzed: 02/09/04						
Gasoline Range Organics	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*293*		"	*300*		*98*	*65-135*			
Laboratory Control Sample (4020212-BS1)				Prepared & Analyzed: 02/09/04						
Gasoline Range Organics	2530	50	ug/l	2750		92	65-135			
Surrogate: 4-Bromofluorobenzene	*310*		"	*300*		*103*	*65-135*			
Matrix Spike (4020212-MS1)	**Source: MNB0148-06**			Prepared & Analyzed: 02/09/04						
Gasoline Range Organics	2540	50	ug/l	2750	84	89	65-135			
Surrogate: 4-Bromofluorobenzene	*298*		"	*300*		*99*	*65-135*			

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URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Purgeable Hydrocarbons by EPA 8015B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020212 - EPA 5030B, waters										
Matrix Spike Dup (4020212-MSD1)	**Source: MNB0148-06**			Prepared & Analyzed: 02/09/04						
Gasoline Range Organics	2480	50	ug/l	2750	84	87	65-135	2	20	
Surrogate: 4-Bromofluorobenzene	*300*		"	*300*		*100*	*65-135*			

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1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020282 - EPA 5030B waters										
Blank (4020282-BLK1)				Prepared & Analyzed: 02/12/04						
Tetrachloroethene	ND	0.50	ug/l							
Tert-amyl methyl ether	ND	1.0	"							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*5.39*		"	*5.00*		*108*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.41*		"	*5.00*		*108*	*74-135*			
Surrogate: Toluene-d8	*4.87*		"	*5.00*		*97*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.66*		"	*5.00*		*113*	*86-119*			
Laboratory Control Sample (4020282-BS1)				Prepared & Analyzed: 02/12/04						
Tert-amyl methyl ether	4.57	1.0	ug/l	5.00		91	78-117			
Benzene	4.56	0.50	"	5.00		91	81-118			
Tert-butyl alcohol	106	20	"	100		106	60-147			
Di-isopropyl ether	5.26	1.0	"	5.00		105	70-125			
1,2-Dibromoethane (EDB)	4.35	0.50	"	5.00		87	85-125			
1,2-Dichloroethane	4.75	0.50	"	5.00		95	77-126			
Ethanol	146	100	"	100		146	55-200			
Ethylbenzene	4.66	0.50	"	5.00		93	89-122			
Ethyl tert-butyl ether	4.65	1.0	"	5.00		93	71-120			
Methyl tert-butyl ether	4.95	0.50	"	5.00		99	70-122			
Toluene	4.60	0.50	"	5.00		92	84-119			
Xylenes (total)	13.5	0.50	"	15.0		90	86-132			
Surrogate: Dibromofluoromethane	*5.01*		"	*5.00*		*100*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.03*		"	*5.00*		*101*	*74-135*			
Surrogate: Toluene-d8	*4.77*		"	*5.00*		*95*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.04*		"	*5.00*		*101*	*86-119*			

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885 Jarvis Drive
Morgan Hill, CA 95037
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www.sequoialabs.com

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1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020282 - EPA 5030B waters										
Matrix Spike (4020282-MS1)	**Source: MNB0148-08**			Prepared & Analyzed: 02/12/04						
Tert-amyl methyl ether	142	25	ug/l	125	17	100	78-117			
Benzene	127	12	"	125	ND	102	81-118			
Tert-butyl alcohol	2550	500	"	2500	ND	102	60-147			
Di-isopropyl ether	151	25	"	125	ND	121	70-125			
1,2-Dibromoethane (EDB)	132	12	"	125	ND	106	85-125			
1,2-Dichloroethane	123	12	"	125	ND	98	77-126			
Ethanol	2440	2500	"	2500	ND	98	55-200			
Ethylbenzene	115	12	"	125	ND	92	89-122			
Ethyl tert-butyl ether	132	25	"	125	ND	106	71-120			
Methyl tert-butyl ether	654	12	"	125	470	147	70-122			Q-LIM
Toluene	122	12	"	125	ND	98	84-119			
Xylenes (total)	379	12	"	375	ND	101	86-132			
Surrogate: Dibromofluoromethane	*5.46*		"	*5.00*		*109*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.22*		"	*5.00*		*104*	*74-135*			
Surrogate: Toluene-d8	*5.01*		"	*5.00*		*100*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.65*		"	*5.00*		*93*	*86-119*			
Matrix Spike Dup (4020282-MSD1)	**Source: MNB0148-08**			Prepared & Analyzed: 02/12/04						
Tert-amyl methyl ether	140	25	ug/l	125	17	98	78-117	1	20	
Benzene	120	12	"	125	ND	96	81-118	6	20	
Tert-butyl alcohol	2140	500	"	2500	ND	86	60-147	17	20	
Di-isopropyl ether	142	25	"	125	ND	114	70-125	6	20	
1,2-Dibromoethane (EDB)	131	12	"	125	ND	105	85-125	0.8	20	
1,2-Dichloroethane	116	12	"	125	ND	93	77-126	6	20	
Ethanol	3010	2500	"	2500	ND	120	55-200	21	20	QR-02
Ethylbenzene	102	12	"	125	ND	82	89-122	12	20	Q-LIM
Ethyl tert-butyl ether	124	25	"	125	ND	99	71-120	6	20	
Methyl tert-butyl ether	554	12	"	125	470	67	70-122	17	20	Q-LIM
Toluene	108	12	"	125	ND	86	84-119	12	20	
Xylenes (total)	357	12	"	375	ND	95	86-132	6	20	
Surrogate: Dibromofluoromethane	*5.28*		"	*5.00*		*106*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.00*		"	*5.00*		*100*	*74-135*			
Surrogate: Toluene-d8	*4.50*		"	*5.00*		*90*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.65*		"	*5.00*		*93*	*86-119*			

Sequoia Analytical

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

URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020309 - EPA 5030B waters										
Blank (4020309-BLK1)				Prepared & Analyzed: 02/12/04						
Tetrachloroethene	ND	0.50	ug/l							
Tert-amyl methyl ether	ND	1.0	"							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*5.17*		"	*5.00*		*103*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.28*		"	*5.00*		*106*	*74-135*			
Surrogate: Toluene-d8	*4.61*		"	*5.00*		*92*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.85*		"	*5.00*		*97*	*86-119*			
Laboratory Control Sample (4020309-BS1)				Prepared & Analyzed: 02/12/04						
Tert-amyl methyl ether	4.94	1.0	ug/l	5.00		99	78-117			
Benzene	5.42	0.50	"	5.00		108	81-118			
Tert-butyl alcohol	106	20	"	100		106	60-147			
Di-isopropyl ether	5.34	1.0	"	5.00		107	70-125			
1,2-Dibromoethane (EDB)	5.34	0.50	"	5.00		107	85-125			
1,2-Dichloroethane	5.16	0.50	"	5.00		103	77-126			
Ethanol	116	100	"	100		116	55-200			
Ethylbenzene	5.58	0.50	"	5.00		112	89-122			
Ethyl tert-butyl ether	4.99	1.0	"	5.00		100	71-120			
Methyl tert-butyl ether	5.56	0.50	"	5.00		111	70-122			
Toluene	5.50	0.50	"	5.00		110	84-119			
Xylenes (total)	16.7	0.50	"	15.0		111	86-132			
Surrogate: Dibromofluoromethane	*5.06*		"	*5.00*		*101*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.90*		"	*5.00*		*98*	*74-135*			
Surrogate: Toluene-d8	*4.72*		"	*5.00*		*94*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*5.14*		"	*5.00*		*103*	*86-119*			

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1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020309 - EPA 5030B waters										
Laboratory Control Sample Dup (4020309-BSD1)				Prepared & Analyzed: 02/12/04						
Tert-amyl methyl ether	5.15	1.0	ug/l	5.00		103	78-117	4	20	
Benzene	5.41	0.50	"	5.00		108	81-118	0.2	20	
Tert-butyl alcohol	104	20	"	100		104	60-147	2	20	
Di-isopropyl ether	5.24	1.0	"	5.00		105	70-125	2	20	
1,2-Dibromoethane (EDB)	5.58	0.50	"	5.00		112	85-125	4	20	
1,2-Dichloroethane	5.27	0.50	"	5.00		105	77-126	2	20	
Ethanol	99.8	100	"	100		100	55-200	15	20	
Ethylbenzene	5.56	0.50	"	5.00		111	89-122	0.4	20	
Ethyl tert-butyl ether	4.95	1.0	"	5.00		99	71-120	0.8	20	
Methyl tert-butyl ether	5.11	0.50	"	5.00		102	70-122	8	20	
Toluene	5.29	0.50	"	5.00		106	84-119	4	20	
Xylenes (total)	16.2	0.50	"	15.0		108	86-132	3	20	
Surrogate: Dibromofluoromethane	*4.86*		"	*5.00*		*97*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.83*		"	*5.00*		*97*	*74-135*			
Surrogate: Toluene-d8	*4.60*		"	*5.00*		*92*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.89*		"	*5.00*		*98*	*86-119*			
Batch 4020334 - EPA 5030B waters										
Blank (4020334-BLK1)				Prepared & Analyzed: 02/13/04						
Tetrachloroethene	ND	0.50	ug/l							
Tert-amyl methyl ether	ND	1.0	"							
Benzene	ND	0.50	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethylbenzene	ND	0.50	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*4.86*		"	*5.00*		*97*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.46*		"	*5.00*		*109*	*74-135*			
Surrogate: Toluene-d8	*4.84*		"	*5.00*		*97*	*84-119*			

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Morgan Hill, CA 95037
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1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020334 - EPA 5030B waters										
Blank (4020334-BLK1)				Prepared & Analyzed: 02/13/04						
Surrogate: 4-Bromofluorobenzene	*5.80*		*ug/l*	*5.00*		*116*	*86-119*			
Laboratory Control Sample (4020334-BS1)				Prepared & Analyzed: 02/13/04						
Tert-amyl methyl ether	5.26	1.0	ug/l	5.00		105	78-117			
Benzene	5.24	0.50	"	5.00		105	81-118			
Tert-butyl alcohol	131	20	"	100		131	60-147			
Di-isopropyl ether	5.16	1.0	"	5.00		103	70-125			
1,2-Dibromoethane (EDB)	5.82	0.50	"	5.00		116	85-125			
1,2-Dichloroethane	5.19	0.50	"	5.00		104	77-126			
Ethanol	156	100	"	100		156	55-200			
Ethylbenzene	5.18	0.50	"	5.00		104	89-122			
Ethyl tert-butyl ether	4.85	1.0	"	5.00		97	71-120			
Methyl tert-butyl ether	5.55	0.50	"	5.00		111	70-122			
Toluene	5.22	0.50	"	5.00		104	84-119			
Xylenes (total)	15.7	0.50	"	15.0		105	86-132			
Surrogate: Dibromofluoromethane	*4.41*		*"*	*5.00*		*88*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.85*		*"*	*5.00*		*97*	*74-135*			
Surrogate: Toluene-d8	*4.50*		*"*	*5.00*		*90*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.23*		*"*	*5.00*		*85*	*86-119*			*S-LIM*
Matrix Spike (4020334-MS1)	**Source: P402181-09**			Prepared & Analyzed: 02/13/04						
Tert-amyl methyl ether	109	20	ug/l	100	ND	109	78-117			
Benzene	219	10	"	100	93	126	81-118			Q-LIM
Tert-butyl alcohol	1960	400	"	2000	ND	98	60-147			
Di-isopropyl ether	110	20	"	100	ND	110	70-125			
1,2-Dibromoethane (EDB)	118	10	"	100	ND	118	85-125			
1,2-Dichloroethane	112	10	"	100	ND	112	77-126			
Ethanol	1890	2000	"	2000	ND	94	55-200			
Ethylbenzene	177	10	"	100	59	118	89-122			
Ethyl tert-butyl ether	103	20	"	100	ND	103	71-120			
Methyl tert-butyl ether	121	10	"	100	3.7	117	70-122			
Toluene	116	10	"	100	6.2	110	84-119			
Xylenes (total)	399	10	"	300	77	107	86-132			
Surrogate: Dibromofluoromethane	*5.30*		*"*	*5.00*		*106*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.34*		*"*	*5.00*		*107*	*74-135*			
Surrogate: Toluene-d8	*4.98*		*"*	*5.00*		*100*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.87*		*"*	*5.00*		*97*	*86-119*			

Sequoia Analytical

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

URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020334 - EPA 5030B waters										
Matrix Spike (4020334-MS1)	**Source: P402181-09**			Prepared & Analyzed: 02/13/04						
Matrix Spike Dup (4020334-MSD1)	**Source: P402181-09**			Prepared: 02/13/04 Analyzed: 02/14/04						
Tert-amyl methyl ether	97.8	20	ug/l	100	ND	98	78-117	11	20	
Benzene	202	10	"	100	93	109	81-118	8	20	
Tert-butyl alcohol	1850	400	"	2000	ND	92	60-147	6	20	
Di-isopropyl ether	103	20	"	100	ND	103	70-125	7	20	
1,2-Dibromoethane (EDB)	115	10	"	100	ND	115	85-125	3	20	
1,2-Dichloroethane	102	10	"	100	ND	102	77-126	9	20	
Ethanol	1860	2000	"	2000	ND	93	55-200	2	20	
Ethylbenzene	171	10	"	100	59	112	89-122	3	20	
Ethyl tert-butyl ether	93.9	20	"	100	ND	94	71-120	9	20	
Methyl tert-butyl ether	110	10	"	100	3.7	106	70-122	10	20	
Toluene	104	10	"	100	6.2	98	84-119	11	20	
Xylenes (total)	396	10	"	300	77	106	86-132	0.8	20	
Surrogate: Dibromofluoromethane	*4.68*		"	*5.00*		*94*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*4.72*		"	*5.00*		*94*	*74-135*			
Surrogate: Toluene-d8	*4.38*		"	*5.00*		*88*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*4.46*		"	*5.00*		*89*	*86-119*			

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URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MNB0148
1333 Broadway, Suite 800	Project Number: INTRIM-50353	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	02/19/04 09:35

Notes and Definitions

HC-19	Discrete peak @ C5.
Q-LIM	The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.
QR-02	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-LIM	The surrogate recovery was outside control limits. The result may still be useful for its intended purpose.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name 276 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14-day TAT

MNB0148

Date: 2/3/04

On-site Time: 0830	Temp: 60°
Off- site Time: 1345	Temp: 60°
Sky Conditions: Cloudy	
Meteorological Events:	
Wind Speed: 10mph	Direction: SE

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

BP/GEM Facility No.:	ARCO 276
BP/GEM Facility Address:	10600 MacArthur Blvd, OAKLAND, CA
Site ID No.	ARCO 276
Site Lat/Long:	
California Global ID #:	T0600100082
BP/GEM PM Contact:	PAUL SUPPLE
Address:	P.O. Box 6549
	Moraga, CA 94570
Tele/Fax:	925-299-8891/925-299-8872

Consultant/Contractor: URS	
Address: 500 12th St., Ste. 200	
Oakland, CA 94609-4014	
e-mail EDD: donna_cosper@URSCorp.com	
Consultant/Contractor Project No.: 35-00000276.01 00427	
Consultant Tele/Fax: 510-893-3600/510-874-3268	
Consultant/Contractor PM: Scott Robinson	
Invoice to: Consultant/Contractor or BP/GEM (Circle one)	
BP/GEM Work Release No: INTRIM -50353	

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 / BTEX & 8015/8021/8260	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Requested Analysis: PCE (8010)	Sample Point Lat/Long and Comments
1	MW-1	1205		X			01	6				X	X				X	X	X	X	
2	MW-2	1035		X			02						X				X	X	X	X	
3	MW-3	1245		X			03						X				X	X	X	X	
4	MW-4	1235		X			04						X				X	X	X	X	
5	MW-5	1055		X			05						X				X	X	X	X	
6	MW-6	0910		X			06						X				X	X	X	X	
7	MW-7	1010		X			07						X				X	X	X	X	
8	MW-8	1125		X			08						X				X	X	X	X	
9	RW-1	1255		X			09						X				X	X	X	X	
10	WHR-3	0930		X			10						X				X	X	X	X	

Sampler's Name: Aaron Costa	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Blaine Tech	Blaine Tech	2/4/04	1402		2/4/04 1402
Shipment Date:		2/4/04	1700		2/4/04 1700
Shipment Method:					
Shipment Tracking No:					

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

Seals In Place Yes X No ___ Temperature Blank Yes X No ___ Cooler Temperature on Receipt 2 °F/C Trip Blank Yes X No ___

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

Chain of Custody Record

Project Name 276 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company (MNB0142)
Requested Due Date (mm/dd/yy) 14 day TAT

Date: 2/3/04

On-site Time: 0830	Temp: 60°
Off-site Time: 1345	Temp: 60°
Sky Conditions: cloudy	
Meteorological Events:	
Wind Speed: 10mph	Direction: SE

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

BP/GEM Facility No.:	ARCO 276
BP/GEM Facility Address:	10600 MacArthur Blvd, OAKLAND, CA
Site ID No.	ARCO 276
Site Lat/Long:	
California Global ID #:	T0600100082
BP/GEM PM Contact:	PAUL SUPPLE
Address:	P.O. Box 6549
	Moraga, CA 94570
Tele/Fax:	925-299-8891/925-299-8872

Consultant/Contractor:	URS
Address:	500 12th St., Ste. 200
	Oakland, CA 94609-4014
e-mail EDD:	donna_cosper@URSCorp.com
Consultant/Contractor Project No.:	15-00000276.01 00427
Consultant Tele/Fax:	510-893-3600/510-874-3268
Consultant/Contractor PM:	Scott Robinson
Invoice to:	Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Work Release No:	INTRIM -50353

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 8260	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	PCE (8010)	Sample Point Lat/Long and Comments
1	TB/276/02032004			X			1	2				X									ON HOLD
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Sampler's Name: Aaron Costa	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: BTS	Aaron Costa / BTS	2/4/04	1402		2/4/04	1402
Shipment Date:		2/4/04	1700		2/4/04	1700
Shipment Method:						
Shipment Tracking No:						

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

Seals In Place Yes X No ___ Temperature Blank Yes X No ___ Cooler Temperature on Receipt 2 °F/C Trip Blank Yes X No ___

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

BP COC Rev. 1 2/5/02

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT): TV
WORKORDER: MNB0148

DATE REC'D AT LAB: 2/4/04
TIME REC'D AT LAB: 1700
DATE LOGGED IN: 2-5-04

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) (Present / Absent) Bag (Intact / Broken*)			MW-1	(6) Vom	Ha	L	2/3/04	33/4070
			-2					
2. Chain-of-Custody (Present / Absent*)			-3					
3. Traffic Reports or Packing List: Present / (Absent)			-4					
			-5					
4. Airbill: Airbill / Sticker (Present / Absent)			-6					
			-7					
5. Airbill #:			-8					
6. Sample Labels: (Present / Absent)			RW-1					
7. Sample IDs: (Listed / Not Listed on Chain-of-Custody)			WBR-3					
			TB	(2)				
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*)					2/4 1702			
11. Adequate sample volume received? (Yes / No*)								
12. Proper Preservatives used: (Yes / No*)								
13. Temp Rec. at Lab: 2°C Is temp 4 +/-2°C? Yes / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / OFF ON ICE or Problem COC

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

ATTACHMENT C

HISTORIC GROUNDWATER DATA

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (ft-MSL)	Groundwater Elewation (ft-MSL)	Date Sampled	Tetra-chloro-ethene (PCE) µg/L	Tetra-chloro-ethene (TCE) µg/L	trans-1,2-Dichloro-ethene µg/L	cis-1,2-Dichloro-ethene µg/L	Freon 12 µg/L	Dissolved Oxygen (mg/l)	Purged Not Purg (P/NP)
MW-1	03-10-95	55.92	26.26	ND	29.66	03-10-95	170	<1	--	<1	--		
MW-1	06-05-95	55.92	25.71	ND	30.21	06-05-95	210	<5	--	<5	--		
MW-1	08-29-95	55.92	28.44	ND	27.48	08-29-95	130	<1	--	<1	--		
MW-1	11-16-95	55.92	30.85	ND	25.07	11-16-95	45	<1	--	<1	<1		
MW-1	02-28-96	55.92	24.99	ND	30.93	02-28-96	97	<1	<1	<1	--		
MW-1	05-28-96	55.92	24.92	ND	31.00	05-28-96	160	<5	<5	<5	--		
MW-1	08-19-96	55.92	28.04	ND	27.88	08-19-96	77	<1	<1	<1	--		
MW-1	11-21-96	55.92	30.19	ND	25.73	11-21-96	30	<1	<1	<1	--		
MW-1	03-26-97	55.92	24.90	ND	31.02	03-26-97	66	<1	<1	<1	--		
MW-1	05-20-97	55.92	26.99	ND	28.93	05-20-97	36	<0.5	<0.5	<0.5	--		
MW-1	08-18-97	55.92	29.98	ND	25.94	08-18-97	11	<0.5	<0.5	<0.5	--		
MW-1	11-17-97	55.92	31.72	ND	24.20	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-1	12-02-99	55.92	Not surveyed			12-02-99	Not surveyed: well was inaccessible						
MW-2	03-10-95	55.10	13.98	ND	41.12	03-11-95	<1	<1	--	<1	--		
MW-2	06-05-95	55.10	15.65	ND	39.45	06-05-95	<1	<1	--	<1	--		
MW-2	08-29-95	55.10	17.14	ND	37.96	08-29-95	<5	<5	--	<5	--		
MW-2	11-16-95	55.10	Not surveyed			11-16-95	Not surveyed: well was inaccessible						
MW-2	02-28-96	55.10	12.46	ND	42.64	02-28-96	<1	<1	<1	<1	--		
MW-2	05-28-96	55.10	15.23	ND	39.87	05-28-96	<1	<1	<1	<1	--		
MW-2	08-19-96	55.10	16.84	ND	38.26	08-21-96	<1	<1	<1	<1	--		
MW-2	11-21-96	55.10	15.44	ND	39.66	11-21-96	<1	<1	<1	<1	--		
MW-2	03-26-97	55.10	15.73	ND	39.37	03-26-97	<10^	<10^	<10^	<10^	--		
MW-2	05-20-97	55.10	16.07	ND	39.03	05-20-97	<1^	<1^	<1^	<1^	--		
MW-2	08-18-97	55.10	17.28	ND	37.82	08-18-97	<5^	<5^	<5^	<5^	--		
MW-2	11-17-97	55.10	16.75	ND	38.35	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-2	12-02-99	55.10	Not surveyed			12-02-99	Not sampled: not on sampling schedule						

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Recreated from electronic data provided by Pinnacle

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (ft-MSL)	Groundwater Elevation (ft-MSL)	Date Sampled	Tetra-chloro-ethene (PCE) µg/L	Tetra-chloro-ethene (TCE) µg/L	trans-1,2-Dichloro-ethene µg/L	cis-1,2-Dichloro-ethene µg/L	Freon 12 µg/L	Dissolved Oxygen (mg/l)	Purged Not Purg (P/NP)
MW-3	03-10-95	56.55	26.74	ND	29.81	03-11-95	1700	<10	--	<10	--		
MW-3	06-05-95	56.55	26.34	ND	30.21	06-05-95	2500	<20	--	<20	--		
MW-3	08-29-95	56.55	29.15	ND	27.40	08-29-95	1600	<20	--	<20	--		
MW-3	11-16-95	56.55	31.50	ND	25.05	11-16-95	1100	<20	--	<20	--		
MW-3	02-28-96	56.55	25.32	ND	31.23	02-28-96	1100	<10	<10	<10	--		
MW-3	05-28-96	56.55	25.46	ND	31.09	05-28-96	1700	<20	<20	<20	--		
MW-3	08-19-96	56.55	28.71	ND	27.84	08-19-96	1200	<20	<20	<20	--		
MW-3	11-21-96	56.55	30.85	ND	25.70	11-21-96	710	<20^	<20^	<20^	--		
MW-3	03-26-97	56.55	25.36	ND	31.19	03-26-97	710	<40^	<40^	<40^	--		
MW-3	05-20-97	56.55	27.61	ND	28.94	05-20-97	800	<25^	<25^	<25^	--		
MW-3	08-18-97	56.55	30.62	ND	25.93	08-18-97	420	<5^	<5^	<5^	--		
MW-3	11-17-97	56.55	32.40	ND	24.15	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-3	12-02-99	56.55	30.75	ND	25.80	12-02-99	210*	<0.5*	<0.5*	<0.5*	--	0.47	NP
MW-4	03-10-95	55.98	26.22	ND	29.76	03-11-95	2600	<20	--	<20	--		
MW-4	06-05-95	55.98	25.79	ND	30.19	06-05-95	3100	<20	--	<20	--		
MW-4	08-29-95	55.98	28.56	ND	27.42	08-29-95	2900	<20	--	<20	--		
MW-4	11-16-95	55.98	31.00	ND	24.98	11-16-95	2100	<20	--	<20	--		
MW-4	02-28-96	55.98	24.77	ND	31.21	02-28-96	2400	<20	<20	<20	<20		
MW-4	05-28-96	55.98	24.91	ND	31.07	05-28-96	2700	<20	<20	<20	--		
MW-4	08-19-96	55.98	28.17	ND	27.81	08-19-96	2600	<20	<20	<20	--		
MW-4	11-21-96	55.98	30.30	ND	25.68	11-21-96	1100	<20^	<20^	<20^	--		
MW-4	03-26-97	55.98	24.80	ND	31.18	03-26-97	1900	<40^	<40^	<40^	--		
MW-4	05-20-97	55.98	27.03	ND	28.95	05-20-97	1600	<50^	<50^	<50^	--		
MW-4	08-18-97	55.98	30.10	ND	25.88	08-18-97	600	<125^	<125^	--	--		
MW-4	11-17-97	55.98	31.84	ND	24.14	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-4	12-02-99	55.98	30.20	ND	25.78	12-02-99	320*	<0.5*	<0.5*	<0.5*	--	1.03	NP

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Recreated from electronic data provided by Pinnacle

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (ft-MSL)	Groundwater Elevation (ft-MSL)	Date Sampled	Tetra-chloro-ethene (PCE) µg/L	Tetra-chloro-ethene (TCE) µg/L	trans-1,2-Dichloro-ethene µg/L	cis-1,2-Dichloro-ethene µg/L	Freon 12 µg/L	Dissolved Oxygen (mg/l)	Purged/ Not Purged (P/NP)
MW-5	03-10-95	55.43	25.62	ND	29.81	03-10-95	270	<5	--	<5	--		
MW-5	06-05-95	55.43	25.30	ND	30.13	06-05-95	310	<5	--	<5	--		
MW-5	08-29-95	55.43	28.21	ND	27.22	08-29-95	240	<5	--	<5	--		
MW-5	11-16-95	55.43	30.63	ND	24.80	11-16-95	940	<5	--	<5	<5		
MW-5	02-28-96	55.43	24.07	ND	31.36	02-28-96	1100	<10	<10	<10	--		
MW-5,	05-28-96	55.43	24.42	ND	31.01	05-28-96	360	<5	<5	<5	--		
MW-5	08-19-96	55.43	27.82	ND	27.61	08-21-96	150	<1	<1	2	--		
MW-5	11-21-96	55.43	29.92	ND	25.51	11-21-96	1900	<20^	<20^	<20^	--		
MW-5	03-26-97	55.43	24.22	ND	31.21	03-26-97	270	<10^	<10^	<10^	--		
MW-5	05-20-97	55.43	26.60	ND	28.83	05-20-97	290	<5^	<5^	<5^	--		
MW-5	08-18-97	55.43	NR	ND	NR	08-18-97	--	--	--	--	--		
MW-5	11-17-97	55.43	Not surveyed			11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-5	12-02-99	55.43	29.84	ND	25.59	12-02-99	46*	<0.5*	<0.5*	<0.5*	--	0.53	P
MW-6	03-10-95	61.21	31.54	ND	29.67	03-11-95	1300	<20	--	<20	--		
MW-6	06-05-95	61.21	31.15	ND	30.06	06-05-95	2000	<20	--	<20	--		
MW-6	08-29-95	61.21	34.03	ND	27.18	08-29-95	1300	<20	--	<20	--		
MW-6	11-16-95	61.21	36.40	ND	24.81	11-16-95	1300	<20	--	<20	<20		
MW-6	02-28-96	61.21	30.18	ND	31.03	02-28-96	960	<20	<20	<20	--		
MW-6	05-28-96	61.21	30.29	ND	30.92	05-28-96	970	<20	<20	<20	--		
MW-6	08-19-96	61.21	33.54	ND	27.67	08-19-96	820	<20	<20	<20	--		
MW-6	11-21-96	61.21	35.70	ND	25.51	11-21-96	680	<20^	<20^	<20^	--		
MW-6	03-26-97	61.21	30.15	ND	31.06	03-26-97	830	<40^	<40^	<40^	--		
MW-6	05-20-97	61.21	32.40	ND	28.81	05-20-97	270	<5^	<5^	<5^	--		
MW-6	08-18-97	61.21	35.47	ND	25.74	08-18-97	420	<62.5^	<62.5^	--	--		
MW-6	11-17-97	61.21	37.25	ND	23.96	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-6	12-02-99	61.21	35.55	ND	25.66	12-02-99	Not sampled: not on sampling schedule						

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Recreated from electronic data provided by Pinnacle

Pinnacle

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (ft-MSL)	Groundwater Elevation (ft-MSL)	Date Sampled	Tetra-chloro-ethene (PCE) µg/L	Tetra-chloro-ethene (TCE) µg/L	trans-1,2-Dichloro-ethene µg/L	cis-1,2-Dichloro-ethene µg/L	Freon 12 µg/L	Dissolved Oxygen (mg/l)	Purged/ Not Purge (P/NP)
MW-7	03-10-95	58.22	17.69	ND^^	40.53	03-11-95	Not sampled: floating product entered the well during purging						
MW-7	06-05-95	58.22	19.68	ND	38.54	06-05-95	<10	<10	--	<10	--		
MW-7	08-29-95	58.22	21.70	ND	36.52	08-29-95	<10	<10	--	<10	--		
MW-7	11-16-95	58.22	23.02	ND	35.20	11-16-95	<20	<20	--	<20	<20		
MW-7	02-28-96	58.22	16.54	ND	41.68	02-28-96	<10	<10	<10	<10	--		
MW-7	05-28-96	58.22	19.29	ND	38.93	05-28-96	<10	<10	<10	<10	--		
MW-7	08-19-96	58.22	21.84	ND	36.38	08-21-96	<1	<1	<1	<1	--		
MW-7	11-21-96	58.22	19.58	ND	38.64	11-21-96	<10^	<10^	<10^	<10^	--		
MW-7	03-26-97	58.22	19.67	ND	38.55	03-26-97	<20^	<20^	<20^	<20^	--		
MW-7	05-20-97	58.22	20.18	ND	38.04	05-20-97	<10^	<10^	<10^	<10^	--		
MW-7	08-18-97	58.22	22.21	ND	36.01	08-18-97	<10^	<10^	<10^	<10^	--		
MW-7	11-17-97	58.22	20.85	ND	37.37	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-7	12-02-99	58.22	20.92	ND	37.30	12-02-99	Not sampled: not on sampling schedule						
MW-8	03-10-95	53.65	23.60	ND	30.05	03-10-95	<1	<1	--	<1	--		
MW-8	06-05-95	53.65	23.48	ND	30.17	06-05-95	<1	<1	--	<1	--		
MW-8	08-29-95	53.65	26.44	ND	27.21	08-29-95	<1	<1	--	<1	--		
MW-8	11-16-95	53.65	28.90	ND	24.75	11-16-95	<1	<1	--	<1	<1		
MW-8	02-28-96	53.65	22.16	ND	31.49	02-28-96	3	<1	<1	<1	--		
MW-8	05-28-96	53.65	22.62	ND	31.03	05-28-96	<1	<1	<1	<1	--		
MW-8	08-19-96	53.65	26.70	ND	26.95	08-21-96	<1	<1	<1	<1	--		
MW-8	11-21-96	53.65	28.16	ND	25.49	11-21-96	7	<1	<1	<1	--		
MW-8	03-26-97	53.65	22.42	ND	31.23	03-26-97	<1	<1	<1	<1	--		
MW-8	05-20-97	53.65	24.84	ND	28.81	05-20-97	<0.5	<0.5	<0.5	<0.5	--		
MW-8	08-18-97	53.65	28.03	ND	25.62	08-18-97	<5	<5	<5	--	--		
MW-8	11-17-97	53.65	29.16	ND	24.49	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-8	12-02-99	53.65	28.07	ND	25.58	12-02-99	Not sampled: not on sampling schedule						

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (ft-MSL)	Groundwater Elewation (ft-MSL)	Date Sampled	Tetra-chloro-ethene (PCE) µg/L	Tetra-chloro-ethene (TCE) µg/L	trans-1,2-Dichloro-ethene µg/L	cis-1,2-Dichloro-ethene µg/L	Freon 12 µg/L	Dissolved Oxygen (mg/l)	Purged/ Not Purge (P/NP)
RW-1	03-10-95	56.32	26.48	Sheen	29.84	03-10-95	260	<5	--	<5	--		
RW-1	06-05-95	56.32	26.20	ND	30.12	06-05-95	59	<1	--	<1	--		
RW-1	08-29-95	56.32	28.98	ND	27.34	08-29-95	570	<5	--	<5	--		
RW-1	11-16-95	56.32	31.34	ND	24.98	11-16-95	140	<1	--	<1	<1		
RW-1	02-28-96	56.32	25.12	ND	31.20	02-28-96	6	<1	<1	<1	--		
RW-1	05-28-96	56.32	25.26	ND	31.06	05-28-96	12	<1	<1	<1	--		
RW-1	08-19-96	56.32	28.51	ND	27.81	08-21-96	100	<1	<1	<1	--		
RW-1	11-21-96	56.32	30.65	ND	25.67	11-21-96	190	1	<1	<1	--		
RW-1	03-26-97	56.32	25.15	ND	31.17	03-26-97	6	<1	<1	<1	--		
RW-1	05-20-97	56.32	27.44	ND	28.88	05-20-97	5.3	<0.5	<0.5	<0.5	--		
RW-1	08-18-97	56.32	30.46	ND	25.86	08-18-97	46	<5	<5	--	--		
RW-1	11-17-97	56.32	32.16	ND	24.16	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
RW-1	12-02-99	56.32	30.54	ND	25.78	12-02-99	Not sampled: not on sampling schedule						
WGR-3	03-10-95	NR	15.20	ND	NR	03-11-95	<1	<1	--	<1	--		
WGR-3	06-05-95	NR	19.25	ND	NR	06-05-95	<1	<1	--	<1	--		
WGR-3	08-29-95	NR	21.41	ND	NR	08-29-95	<1	<1	--	<1	--		
WGR-3	11-16-95	NR	22.50	ND	NR	11-16-95	<1	<1	--	<1	<1		
WGR-3	02-28-96	NR	14.90	ND	NR	02-28-96	<1	<1	<1	<1	--		
WGR-3	05-28-96	NR	18.33	ND	NR	05-28-96	<1	<1	<1	<1	--		
WGR-3	08-19-96	NR	21.38	ND	NR	08-19-96	<1	<1	<1	<1	--		
WGR-3	11-21-96	NR	18.70	ND	NR	11-21-96	<1	<1	<1	<1	--		
WGR-3	03-26-97	NR	18.98	ND	NR	03-26-97	<1	<1	<1	<1	--		
WGR-3	05-20-97	NR	19.70	ND	NR	05-20-97	<0.5	<0.5	<0.5	<0.5	--		

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (ft-MSL)	Groundwater Elewation (ft-MSL)	Date Sampled	Tetra-chloro-ethene (PCE) µg/L	Tetra-chloro-ethene (TCE) µg/L	trans-1,2-Dichloro-ethene µg/L	cis-1,2-Dichloro-ethene µg/L	Freon 12 µg/L	Dissolved Oxygen (mg/l)	Purged/ Not Purge (P/NP)
WGR-3	08-18-97	NR	21.81	ND	NR	08-18-97	<5	<5	<5	--	--		
WGR-3	11-17-97	NR	20.42	ND	NR	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
WGR-3	12-02-99	NR	20.58	ND	NR	12-02-99	Not sampled: not on sampling schedule						

TOC: Top of Casing
ft-MSL: elevation in feet, relative to mean sea level
µg/L: micrograms per liter
ND: none detected
NR: not reported; data not available or not measurable
--: not analyzed or not applicable
*: analyzed by EPA method 8021B
^: method reporting limit was raised due to: (1) high analyte concentration requiring sample dilution, or (2) matrix interference
^^: floating product entered the well during purging
**: For previous historical groundwater elevation and analytical data please refer to *Fourth Quarter 1995 Groundwater Monitoring Results and Remediation System Performance Evaluation Report, Retail Service Station 10600 and 10700 MacArthur Boulevard, Oakland, California, (EMCON, March 22, 1996).*

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

02/20/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #0276, Oakland, CA
Work Order Number:	MNB0148
Global ID:	T0600100082
Lab Report Number:	MNB0148021920040935

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MNB01480219200 40935	MW-1	MNB014801	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020282	1	SEQP
MNB01480219200 40935	MW-1	MNB014801	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020203	1	SEQP
MNB01480219200 40935	MW-2	MNB014802	W	CS	8260FAB	SW5030	02/03/04	02/13/04	02/13/04	4020334	1	SEQP
MNB01480219200 40935	MW-2	MNB014802	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020203	1	SEQP
MNB01480219200 40935	MW-3	MNB014803	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020282	1	SEQP
MNB01480219200 40935	MW-3	MNB014803	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020203	1	SEQP
MNB01480219200 40935	MW-3	MNB014803R1	W	CS	8260FAB	SW5030	02/03/04	02/13/04	02/13/04	4020334	1	SEQP
MNB01480219200 40935	MW-4	MNB014804	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020282	1	SEQP
MNB01480219200 40935	MW-4	MNB014804	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020203	1	SEQP
MNB01480219200 40935	MW-4	MNB014804R1	W	CS	8260FAB	SW5030	02/03/04	02/13/04	02/13/04	4020334	1	SEQP
MNB01480219200 40935	MW-5	MNB014805	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020282	1	SEQP
MNB01480219200 40935	MW-5	MNB014805	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020203	1	SEQP
MNB01480219200 40935	MW-6	MNB014806	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020282	1	SEQP
MNB01480219200 40935	MW-6	MNB014806	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020212	1	SEQP
MNB01480219200 40935	MW-7	MNB014807	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020282	1	SEQP
MNB01480219200 40935	MW-7	MNB014807	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020212	1	SEQP
MNB01480219200 40935	MW-8	MNB014808	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020282	1	SEQP
MNB01480219200 40935	MW-8	MNB014808	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020212	1	SEQP
MNB01480219200 40935	RW-1	MNB014809	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020282	1	SEQP
MNB01480219200 40935	RW-1	MNB014809	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020212	1	SEQP
MNB01480219200	WGR-3	MNB014810	W	CS	8260FAB	SW5030	02/03/04	02/12/04	02/12/04	4020309	1	SEQP

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
40935												
MNB01480219200	WGR-3	MNB014810	W	CS	SW8015B	SW5030	02/03/04	02/09/04	02/09/04	4020212	1	SEQP
40935												
		P40207004	W	NC	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020203	1	SEQP
		P40218109	W	NC	8260FAB	SW5030	/ /	02/13/04	02/13/04	4020334	1	SEQP
		4020203BS1	WQ	BS1	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020203	1	SEQP
		4020203BLK1	WQ	LB1	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020203	1	SEQP
		4020203MS1	W	MS1	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020203	1	SEQP
		4020203MSD1	W	SD1	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020203	1	SEQP
		4020212BS1	WQ	BS1	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020212	1	SEQP
		4020212BLK1	WQ	LB1	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020212	1	SEQP
		4020212MS1	W	MS1	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020212	1	SEQP
		4020212MSD1	W	SD1	SW8015B	SW5030	/ /	02/09/04	02/09/04	4020212	1	SEQP
		4020282BS1	WQ	BS1	8260FAB	SW5030	/ /	02/12/04	02/12/04	4020282	1	SEQP
		4020282BLK1	WQ	LB1	8260FAB	SW5030	/ /	02/12/04	02/12/04	4020282	1	SEQP
		4020282MS1	W	MS1	8260FAB	SW5030	/ /	02/12/04	02/12/04	4020282	1	SEQP
		4020282MSD1	W	SD1	8260FAB	SW5030	/ /	02/12/04	02/12/04	4020282	1	SEQP
		4020309BSD1	WQ	BD1	8260FAB	SW5030	/ /	02/12/04	02/12/04	4020309	1	SEQP
		4020309BS1	WQ	BS1	8260FAB	SW5030	/ /	02/12/04	02/12/04	4020309	1	SEQP
		4020309BLK1	WQ	LB1	8260FAB	SW5030	/ /	02/12/04	02/12/04	4020309	1	SEQP
		4020334BS1	WQ	BS1	8260FAB	SW5030	/ /	02/13/04	02/13/04	4020334	1	SEQP
		4020334BLK1	WQ	LB1	8260FAB	SW5030	/ /	02/13/04	02/13/04	4020334	1	SEQP
		4020334MS1	W	MS1	8260FAB	SW5030	/ /	02/13/04	02/13/04	4020334	1	SEQP
		4020334MSD1	W	SD1	8260FAB	SW5030	/ /	02/13/04	02/14/04	4020334	1	SEQP

EDFSAMP: Error Summary Log

02/20/04

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

EDFTEST: Error Summary Log

02/20/04

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

EDFRES: Error Summary Log

02/20/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4020203MS1	MS1	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	4020203MS1	MS1	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	4020203MSD1	SD1	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	4020203MSD1	SD1	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	4020212MS1	MS1	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	4020212MS1	MS1	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	4020212MSD1	SD1	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	4020212MSD1	SD1	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	4020282MS1	MS1	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	4020282MS1	MS1	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	4020282MS1	MS1	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	4020282MS1	MS1	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	4020282MSD1	SD1	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	4020282MSD1	SD1	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	4020282MSD1	SD1	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	4020282MSD1	SD1	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	4020334MS1	MS1	W	8260FAB	PR	02/13/04	1	BR4FBZ
Warning: extra parameter	4020334MS1	MS1	W	8260FAB	PR	02/13/04	1	BZMED8
Warning: extra parameter	4020334MS1	MS1	W	8260FAB	PR	02/13/04	1	DBFM
Warning: extra parameter	4020334MS1	MS1	W	8260FAB	PR	02/13/04	1	DCA12D4
Warning: extra parameter	4020334MSD1	SD1	W	8260FAB	PR	02/14/04	1	BR4FBZ
Warning: extra parameter	4020334MSD1	SD1	W	8260FAB	PR	02/14/04	1	BZMED8
Warning: extra parameter	4020334MSD1	SD1	W	8260FAB	PR	02/14/04	1	DBFM
Warning: extra parameter	4020334MSD1	SD1	W	8260FAB	PR	02/14/04	1	DCA12D4
Warning: extra parameter	MNB014801	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNB014801	CS	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	MNB014801	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014801	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014801	CS	W	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	MNB014801	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014801	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014802	CS	W	8260FAB	PR	02/13/04	1	BR4FBZ
Warning: extra parameter	MNB014802	CS	W	8260FAB	PR	02/13/04	1	BZMED8
Warning: extra parameter	MNB014802	CS	W	8260FAB	PR	02/13/04	1	DBFM
Warning: extra parameter	MNB014802	CS	W	8260FAB	PR	02/13/04	1	DCA12D4
Warning: extra parameter	MNB014802	CS	W	8260FAB	PR	02/13/04	1	PCE
Warning: extra parameter	MNB014802	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014802	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014803	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	MNB014803	CS	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	MNB014803	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014803	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014803	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014803	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014803R1	CS	W	8260FAB	PR	02/13/04	1	BR4FBZ
Warning: extra parameter	MNB014803R1	CS	W	8260FAB	PR	02/13/04	1	BZMED8
Warning: extra parameter	MNB014803R1	CS	W	8260FAB	PR	02/13/04	1	DBFM
Warning: extra parameter	MNB014803R1	CS	W	8260FAB	PR	02/13/04	1	DCA12D4
Warning: extra parameter	MNB014803R1	CS	W	8260FAB	PR	02/13/04	1	PCE
Warning: extra parameter	MNB014804	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	MNB014804	CS	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	MNB014804	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014804	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014804	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNB014804	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014804R1	CS	W	8260FAB	PR	02/13/04	1	BR4FBZ
Warning: extra parameter	MNB014804R1	CS	W	8260FAB	PR	02/13/04	1	BZMED8
Warning: extra parameter	MNB014804R1	CS	W	8260FAB	PR	02/13/04	1	DBFM
Warning: extra parameter	MNB014804R1	CS	W	8260FAB	PR	02/13/04	1	DCA12D4
Warning: extra parameter	MNB014804R1	CS	W	8260FAB	PR	02/13/04	1	PCE
Warning: extra parameter	MNB014805	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	MNB014805	CS	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	MNB014805	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014805	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014805	CS	W	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	MNB014805	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014805	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014806	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	MNB014806	CS	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	MNB014806	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014806	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014806	CS	W	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	MNB014806	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014806	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014807	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	MNB014807	CS	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	MNB014807	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014807	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014807	CS	W	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	MNB014807	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014807	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014808	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	MNB014808	CS	W	8260FAB	PR	02/12/04	1	BZMED8

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNB014808	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014808	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014808	CS	W	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	MNB014808	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014808	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014809	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	MNB014809	CS	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	MNB014809	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014809	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014809	CS	W	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	MNB014809	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014809	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	MNB014810	CS	W	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	MNB014810	CS	W	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	MNB014810	CS	W	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	MNB014810	CS	W	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	MNB014810	CS	W	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	MNB014810	CS	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	MNB014810	CS	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	P40207004	NC	W	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	P40207004	NC	W	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	P40218109	NC	W	8260FAB	PR	02/13/04	1	BR4FBZ
Warning: extra parameter	P40218109	NC	W	8260FAB	PR	02/13/04	1	BZMED8
Warning: extra parameter	P40218109	NC	W	8260FAB	PR	02/13/04	1	DBFM
Warning: extra parameter	P40218109	NC	W	8260FAB	PR	02/13/04	1	DCA12D4
Warning: extra parameter	4020203BLK1	LB1	WQ	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	4020203BLK1	LB1	WQ	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	4020203BS1	BS1	WQ	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	4020203BS1	BS1	WQ	SW8015B	PR	02/09/04	1	GRO

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4020212BLK1	LB1	WQ	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	4020212BLK1	LB1	WQ	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	4020212BS1	BS1	WQ	SW8015B	PR	02/09/04	1	BR4FBZ
Warning: extra parameter	4020212BS1	BS1	WQ	SW8015B	PR	02/09/04	1	GRO
Warning: extra parameter	4020282BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	4020282BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	4020282BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	4020282BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	4020282BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	4020282BS1	BS1	WQ	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	4020282BS1	BS1	WQ	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	4020282BS1	BS1	WQ	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	4020282BS1	BS1	WQ	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	4020309BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	4020309BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	4020309BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	4020309BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	4020309BLK1	LB1	WQ	8260FAB	PR	02/12/04	1	PCE
Warning: extra parameter	4020309BS1	BS1	WQ	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	4020309BS1	BS1	WQ	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	4020309BS1	BS1	WQ	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	4020309BS1	BS1	WQ	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	4020309BSD1	BD1	WQ	8260FAB	PR	02/12/04	1	BR4FBZ
Warning: extra parameter	4020309BSD1	BD1	WQ	8260FAB	PR	02/12/04	1	BZMED8
Warning: extra parameter	4020309BSD1	BD1	WQ	8260FAB	PR	02/12/04	1	DBFM
Warning: extra parameter	4020309BSD1	BD1	WQ	8260FAB	PR	02/12/04	1	DCA12D4
Warning: extra parameter	4020334BLK1	LB1	WQ	8260FAB	PR	02/13/04	1	BR4FBZ
Warning: extra parameter	4020334BLK1	LB1	WQ	8260FAB	PR	02/13/04	1	BZMED8
Warning: extra parameter	4020334BLK1	LB1	WQ	8260FAB	PR	02/13/04	1	DBFM

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4020334BLK1	LB1	WQ	8260FAB	PR	02/13/04	1	DCA12D4
Warning: extra parameter	4020334BLK1	LB1	WQ	8260FAB	PR	02/13/04	1	PCE
Warning: extra parameter	4020334BS1	BS1	WQ	8260FAB	PR	02/13/04	1	BR4FBZ
Warning: extra parameter	4020334BS1	BS1	WQ	8260FAB	PR	02/13/04	1	BZMED8
Warning: extra parameter	4020334BS1	BS1	WQ	8260FAB	PR	02/13/04	1	DBFM
Warning: extra parameter	4020334BS1	BS1	WQ	8260FAB	PR	02/13/04	1	DCA12D4

EDFQC: Error Summary Log

02/20/04

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

EDFCL: Error Summary Log

02/20/04

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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