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URS

Alameda County

JUL 13 2004

Environmental Health

May 20, 2004

Ms. eva chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: Second Quarter 2004 Groundwater Monitoring Report
Atlantic Richfield Company Service Station #2111
1156 Davis Street
San Leandro, California
URS Project #38486713

Dear Ms. chu:

On behalf of Atlantic Richfield Company (RM – a BP affiliated company), URS Corporation (URS) is submitting the *Second Quarter 2004 Groundwater Monitoring Report* for Atlantic Richfield Company Service Station #2111, located at 1156 Davis Street, San Leandro, California.

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

Sincerely,

URS CORPORATION

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

Scott Robinson
Project Manager

James F. Durkin, C. Hg.
Senior Geologist

Enclosure: Second Quarter 2004 Groundwater Monitoring Report

cc: Mr. Paul Supple, RM, (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

May 20, 2004

RE: Second Quarter 2004 Groundwater Monitoring Report
Atlantic Richfield Company Service Station #2111
1156 Davis Street
San Leandro, California
URS Project #38486713

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

SECOND QUARTER 2004 GROUNDWATER MONITORING

ATLANTIC RICHFIELD COMPANY
SERVICE STATION #2111
1156 DAVIS STREET
SAN LEANDRO, CALIFORNIA

Prepared for
Atlantic Richfield Company

May 20, 2004

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486713

URS

Date: May 20, 2004
Quarter: 2Q 04

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	2111	Address:	1156 Davis Street, San Leandro, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486713
Primary Agency:			Alameda County Health Care Services Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (Second – 2004):

1. Performed second quarter 2004 groundwater monitoring event on April 5, 2004.
2. Prepared and submitted second quarter 2004 groundwater monitoring report.
3. Checked well MW-2 monthly for free product.
4. Continued preparing DPE system design.
5. Performed batch extraction at MW-2 on March 11, 2004.
6. Off-site soil borings advanced on March 20 and 21, 2004
7. Submitted Additional Subsurface Investigation Report on May 6, 2004

WORK PROPOSED FOR NEXT QUARTER (Third – 2004):

1. Perform third quarter 2004 groundwater monitoring event.
2. Prepare and submit third quarter 2004 groundwater monitoring report.
3. Check MW-2 monthly for free product.
4. Secure new gas and electrical service from PG&E.
5. Secure City of San Leandro Discharge Permit for discharging groundwater treated by the DPE system.
6. Secure BAAQMD Permit for DPE system.
7. Install DPE system
8. Perform initial startup of DPE system.

Current Phase of Project:	Groundwater monitoring/sampling/interim remediation
Frequency of Groundwater Sampling:	Quarterly: Wells MW-1 through MW-5 and MW-8 Annually (3rd Quarter): MW-6
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	FP in MW-2 (see Table 4)
FP recovered this quarter (to 04/5/04):	0.00 gallons
Cumulative FP Recovered from 6/28/99 to 04/05/04 :	1.085 gallons
Current Remediation Techniques:	Bailing free product as needed and batch extraction from MW-2
Approximate Depth to Groundwater:	13.31 (MW-6) to 16.28 (MW-1) feet
Groundwater Gradient (direction):	West-Southwest
Groundwater Gradient (magnitude):	0.004 feet per foot

URS

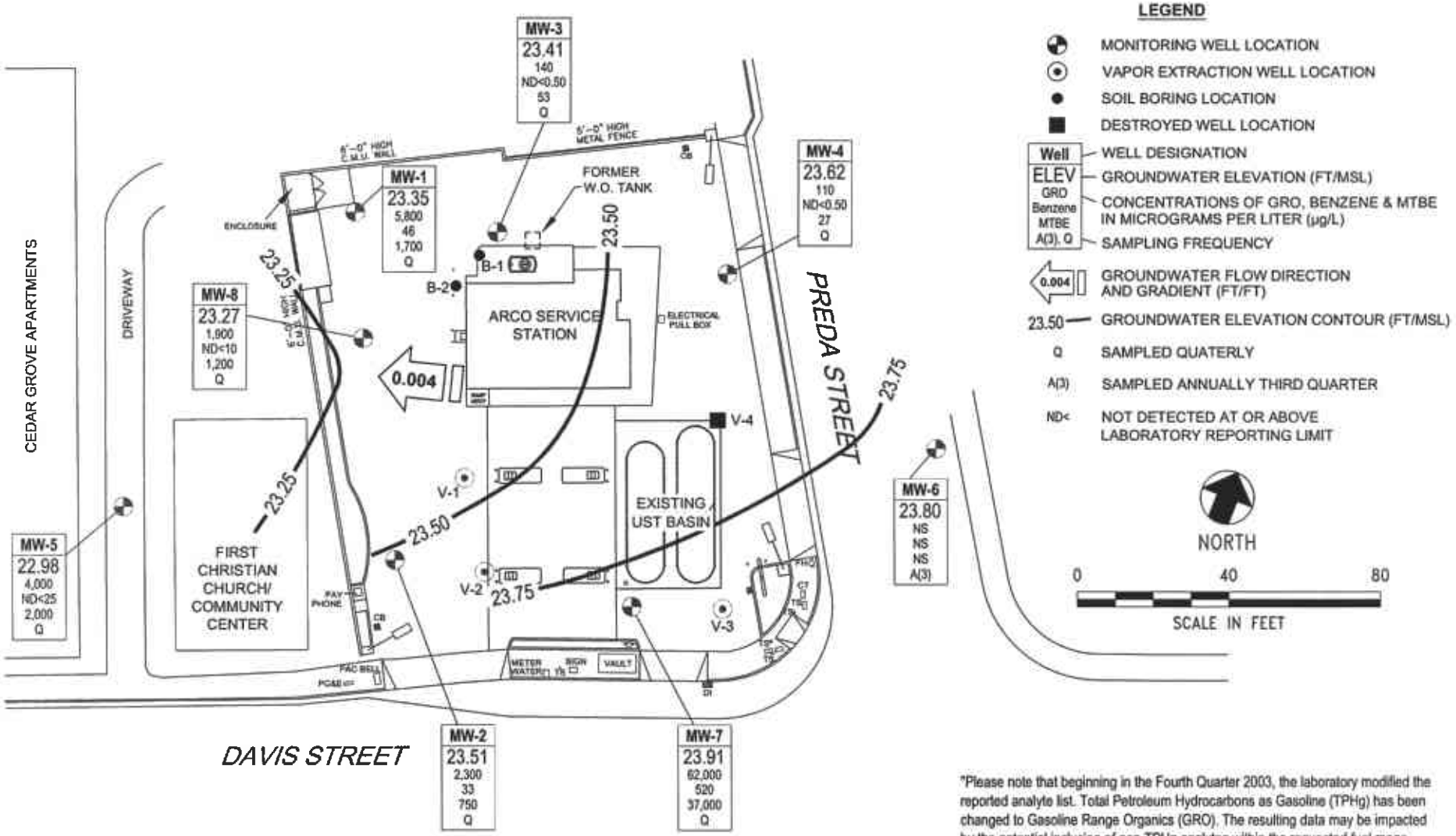
DISCUSSION:

Gasoline Range Organics (GRO) were detected above laboratory reporting limits in all seven wells sampled this quarter at concentrations ranging from 110 µg/L (MW-4) to 62,000 µg/L (MW-7). Benzene was detected above laboratory reporting limits in three wells at concentrations of 33 µg/L (MW-2) and 520 µg/L (MW-7). Methyl tert-butyl ether (MTBE) was detected above laboratory reporting limits in all wells at concentrations ranging from 27 µg/L (MW-4) to 37,000 µg/L (MW-7). Tert-Amyl methyl ether (TAME) was detected above laboratory reporting limits in four wells at concentrations ranging from 3.7 µg/L (MW-3) to 37 µg/L (MW-1). Other than MTBE and TAME, no other fuel oxygenates were detected above the respective laboratory reporting limits (Table 3).

URS performed a batch extraction and groundwater sampling event on March 11, 2004 at MW-2. The concentration data collected prior to and after the extraction event will be used for designing the DPE system. Approximately 3,125 gallons of affected groundwater were removed from MW-2 during the batch extraction event.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – April 5, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Table 4 – Approximate Cumulative Floating Product Recovered (1999 – Present)
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC and EDF/Geowell Submittal Confirmation



LEGEND

- MONITORING WELL LOCATION
- VAPOR EXTRACTION WELL LOCATION
- SOIL BORING LOCATION
- DESTROYED WELL LOCATION
- Well — WELL DESIGNATION
- ELEV — GROUNDWATER ELEVATION (FT/MSL)
- GRO, Benzene, MTBE — CONCENTRATIONS OF GRO, BENZENE & MTBE IN MICROGRAMS PER LITER (µg/L)
- A(3), Q — SAMPLING FREQUENCY
- 0.004 — GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 23.50 — GROUNDWATER ELEVATION CONTOUR (FT/MSL)
- Q — SAMPLED QUATERLY
- A(3) — SAMPLED ANNUALLY THIRD QUARTER
- ND< — NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT

NORTH

0 40 80

SCALE IN FEET

"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 DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38486713 Arco Service Station #2111 1156 Davis Street San Leandro, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Second Quarter 2004 (April 5, 2004)	FIGURE 1

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #2111
1156 Davis Street
San Leandro, California

Well Number	Date Sampled	Purge/ Not Purged	TOC Elevation (feet, MSL)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Well Depth (feet bgs)	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO / TPH-g [p,] (µg/L)	Benzene (µg/L)	Toluene (µg/L	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8020) (µg/L)	MTBE (8260) (µg/L)	Dissolved Oxygen [a] (mg/L)	pH Level [o]
MW-1	06/26/00		39.60	12.50	26.20	27.00	16.46	23.14	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00						16.89	22.71	360	110	ND<0.5	ND<0.5	2.7	2,100	NA	NA	NA
	09/19/00						17.62	21.98	290	76	ND<0.5	ND<0.5	2.3	1,500	NA	NA	NA
	12/21/00						17.39	22.21	257	64	2.89	1.31	4.57	1,080	1,060	NA	NA
	03/13/01						15.7	23.90	ND<500	52.5	ND<5.0	ND<5.0	ND<5.0	1,430	1,370	NA	NA
	09/18/01						18.24	21.36	ND<500	64	7.3	ND<5.0	52	810	1,100	NA	NA
	12/28/01						15.95	23.65	ND<500	ND<5.0	ND<5.0	5.00	22	1,200	1,100	NA	NA
	03/14/02						16.01	23.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	34	40	NA	NA
	04/23/02						15.43	24.17	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30	NA	NA	NA
	07/17/02	NP					17.50	22.10	ND<50	1.2	ND<0.50	ND<0.50	ND<0.50	29	NA	1.6	6.9
	10/09/02						18.27	21.33	240[c]	4.9	ND<1.0	4.1	7.0	290	310	1.2	6.5
	01/13/03						15.37	24.23	760 [c]	34	11	17	56	300	NA	1.0	6.8
	04/07/03 [n]						16.61	22.99	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	22	1.5	6.8
	07/09/03	NP					17.27	22.33	ND<2,500	ND<25	ND<25	ND<25	ND<25	NA	690	1.9	6.7
	10/01/03	NP					18.20	21.40	600	3.0	ND<2.5	ND<2.5	ND<2.5	NA	360	0.6	7.1
	02/05/04 [q]	NP	39.49				16.28	23.32	2,800	31	ND<25	ND<25	ND<25	NA	1,100	0.9	6.5
	04/05/04	**NP**					**16.25**	**23.35**	**5,800**	**46**	**ND<25**	**ND<25**	**ND<25**	**NA**	**1,700**	**1.0**	**6.5**
MW-2	06/26/00		37.99	12.00	26.20	27.00	14.60	23.39[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00						15.14	22.85	95,000	2,300	18,000	2,500	19,000	13,000	NA	NA	NA
	09/19/00						15.95	22.04	63,000	1,200	6,300	2,000	14,000	19,000	NA	NA	NA
	12/21/00						15.60	22.39	45,900	NA	2,130	1,160	9,460	22,400	24,700	NA	NA
	12/21/00[b]						NM	NC	5,010	360	189	213	626	54,300	89,200	NA	NA
	03/13/01						13.77	23.9	3,650	98.1	ND<5.0	ND<5.0	6.42	3,590	3,260	NA	NA
	3/13/2001[b]						NM	NC	ND<20,000	525	466	408	1,460	91,700	76,000	NA	NA
	9/18/2001[a]						16.86	21.13	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/01						14.28	23.71	31,000	1,500	3,800	1,300	4,800	9,300	8,800	NA	NA
	03/14/02						14.15	23.84	1,800	25	43	43	270	990	960	NA	NA
	04/23/02						13.60	24.39	9,000	220	110	470	2,500	8,500	NA	NA	NA
	07/17/02	NP	SHEEN				15.75	22.24	74,000 [c]	280	290	820	10,000	19,000	NA	0.4	6.8
	10/9/02 [g]						16.69	21.30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/13/03 [g]		FREE PRODUCT				13.59	24.61 [h]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/07/03 [g]		FREE PRODUCT				14.70	23.69 [h]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/09/03 [g]		FREE PRODUCT				15.48	22.57 [h]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/01/03 [g]		FREE PRODUCT				16.47	21.58 [h]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/05/04 [g,q]		37.86				14.43	23.53 [h]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/23/04 [r]						NM	NC	6,500	62	ND<25	64	130	NA	6,500	NA	NA
	02/23/04 [r]						NM	NC	12,000	150	ND<100	190	280	NA	17,000	NA	NA
	03/30/04	**NP**					**14.20**	**23.66 [r]**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
	04/05/04	**NP**					**14.35**	**23.51**	**2,300**	**33**	**ND<5.0**	**ND<5.0**	**200**	**NA**	**750**	**0.6**	**6.7**

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Well Number	Date Sampled	Purge/ Not Purged	TOC Elevation (feet, MSL)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Well Depth (feet bgs)	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO / TPH-g [p,] (µg/L)	Benzene (µg/L)	Toluene (µg/L	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8020) (µg/L)	MTBE (8260) (µg/L)	Dissolved Oxygen [o] (mg/L)	pH Level [o]
MW-3	06/26/00		39.32	11.90	26.20	27.00	15.96	23.36	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00						16.42	22.90	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	130	NA	NA	NA
	09/19/00						17.18	22.14	190	17	ND<0.5	1.4	2.4	160	NA	NA	NA
	12/21/00						16.97	22.35	187	17.8	ND<0.5	2.47	2.5	143	125	NA	NA
	03/13/01						15.17	24.15	72.4	2.83	ND<0.5	ND<0.5	ND<0.5	126	122	NA	NA
	09/18/01						17.81	21.51	140	6.4	ND<0.5	3.5	1.6	110	75	NA	NA
	12/28/01						15.44	23.88	130	5.9	ND<0.5	0.99	0.55	90	63	NA	NA
	03/14/02						15.50	23.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	100	88	NA	NA
	04/23/02						14.96	24.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	77	NA	NA	NA
	07/17/02	NP					17.09	22.23	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	47	NA	0.8	7.2
	10/09/02	NP					17.87	21.45	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	26	29	1.3	7.2
	01/13/03	NP					14.78	24.54	ND<50	ND<0.50	ND<0.50 [l]	ND<0.50	ND<0.50	59 l	NA	0.8	6.8
	04/07/03 [s]	NP					16.15	23.17	88	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	75	1.1	7.0
	07/09/03	NP					16.79	22.53	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	52	1.1	6.5
	10/01/03	NP					17.79	21.53	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	36	0.7	6.8
	02/05/04 [q]	NP	39.19				15.66	23.53	240	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	37	0.5	6.6
	04/05/04	**NP**					**15.78**	**23.41**	**140**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**NA**	**53**	**1.0**	**6.6**
MW-4	06/26/00		38.10	10.00	24.00	25.00	14.59	23.51	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00						15.04	23.06	97	7.9	ND<0.5	ND<0.5	1.1	51	NA	NA	NA
	09/19/00						15.83	22.27	110	7.0	ND<0.5	ND<0.5	ND<1.0	60	NA	NA	NA
	12/21/00						15.59	22.51	120	5.6	ND<0.5	1.72	ND<0.5	46.3	48.6	NA	NA
	03/13/01						13.73	24.37	76	0.796	ND<0.5	ND<0.5	ND<0.5	53.7	50.0	NA	NA
	09/18/01						16.50	21.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	25	26.0	NA	NA
	12/28/01						14.03	24.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	11.0	NA	NA
	03/14/02						14.10	24.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	31	28	NA	NA
	04/23/02						13.57	24.53	ND<50	3	ND<0.5	ND<0.5	ND<0.5	42	NA	NA	NA
	07/17/02	NP					15.76	22.34	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	16	NA	1.2	7.1
	10/09/02	NP					16.59	21.51	ND<50	2.2	ND<0.50	ND<0.50	ND<0.50	20	23	0.8	7.1
	01/13/03	NP					13.43	24.67	52 [d]	ND<0.50	1.6	ND<0.50	ND<0.50	22	NA	0.6	6.6
	04/07/03 [n]	NP					14.74	23.36	65	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	24	0.7	6.6
	07/09/03	NP					15.44	22.66	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	34	1.4	6.6
	10/01/03	NP					16.45	21.65	98	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	28	0.8	6.5
	02/05/04 [q]	NP	37.99				14.39	23.60	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	22	0.5	6.6
	04/05/04	**NP**					**14.37**	**23.62**	**110**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**NA**	**27**	**1.1**	**6.5**

Table 1
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1156 Davis Street
San Leandro, California

Well Number	Date Sampled	Purge/ Not Purged	TOC Elevation (feet, MSL)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Well Depth (feet bgs)	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO / TPH-g [p,] (µg/L)	Benzene (µg/L)	Toluene (µg/L	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8020) (µg/L)	MTBE (8260) (µg/L)	Dissolved Oxygen [o] (mg/L)	pH Level [o]
MW-5	06/26/00		37.21	9.40	23.40	25.00	14.27	22.94	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00						14.69	22.52	55	ND<0.5	ND<0.5	ND<0.5	ND<1.0	14,000	NA	NA	NA
	09/19/00						15.36	21.85	54	ND<0.5	ND<0.5	ND<0.5	ND<1.0	13,000	NA	NA	NA
	12/21/00						15.15	22.06	72.9	2.51	ND<0.5	ND<0.5	0.961	19,200	21,200	NA	NA
	03/13/01						13.5	23.71	ND<500	ND<5	ND<5	ND<5	ND<5	15,900	20,000	NA	NA
	09/18/01						15.94	21.27	ND<10,000	ND<100	ND<100	ND<100	ND<1,000	22,000	20,000	NA	NA
	12/28/01						13.45	23.76	ND<10,000	ND<100	ND<100	ND<100	ND<100	10,000	10,000	NA	NA
	03/14/02						13.82	23.39	ND<5,000	ND<50	ND<50	ND<50	ND<50	7,100	7,700	NA	NA
	04/23/02						13.25	23.96	ND<5,000	ND<50	ND<50	ND<50	ND<50	8,900	NA	NA	NA
	07/17/02	NP					15.27	21.94	7,900 [d]	ND<50	ND<50	ND<50	ND<50	13,000	NA	1.1	7.5
	10/09/02	NP					16.02	21.19	2,400[e]	ND<20	ND<20	ND<20	ND<20	7,300	7,500	1.2	6.7
	01/13/03	NP					13.20	24.01	6,400 [e]	ND<50[j]	ND<50	ND<50	ND<50 [j]	8,900 [k]	NA	1.3	6.8
	04/07/03 [n]	NP					14.42	22.79	ND<10,000	ND<100	ND<100	ND<100	ND<100	NA	3,700	0.9	6.8
	07/09/03	NP					15.01	22.20	11,000	ND<50	ND<50	ND<50	ND<50	NA	6,500	2.4	6.9
	10/01/03	NP					15.94	21.27	9,600	ND<50	ND<50	ND<50	ND<50	NA	6,100	1.0	7.4
	02/05/04 [q]	NP	37.12				14.10	23.02	8,100	ND<50	ND<50	ND<50	ND<50	NA	7,900	1.5	6.7
	04/05/04	**NP**					**14.14**	**22.98**	**4,000**	**ND<25**	**ND<25**	**ND<25**	**ND<25**	**ND<25**	**2,000**	**1.0**	**6.6**
MW-6	06/26/00		37.11	10.00	25.00	25.00	13.46	23.65	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00						13.94	23.17	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<3.0	NA	NA	NA
	09/19/00						14.41	22.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<3.0	NA	NA	NA
	12/21/00						14.53	22.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	NA
	03/13/01						12.67	24.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	NA
	09/18/01						15.42	21.69	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<2.0	NA	NA
	12/28/01						12.96	24.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	ND<0.5	NA	NA
	03/14/02						12.98	24.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	NA
	04/23/02						12.44	24.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	NA	NA	NA
	07/17/02	NP					14.65	22.46	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NA	1.3	7.3
	10/09/02	NP					15.51	21.60	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NA	1.3	7.1
	01/13/03	NP					12.27	24.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NA	1.1	6.8
	04/07/03 [n]	NP					13.61	23.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	ND<0.50	2.0	6.6
	07/09/03	NP					14.34	22.77	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	ND<0.50	1.6	7.0
	10/01/03	NP					15.37	21.74		---------- Sampled Annually (Third Quarter) ----------							
	02/05/04 [q]		37.11				13.38	23.73		---------- Sampled Annually (Third Quarter) ----------							
	04/05/04						**13.31**	**23.80**		**---------- Sampled Annually (Third Quarter) ----------**							

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #2111
1156 Davis Street
San Leandro, California

Well Number	Date Sampled	Purge/ Not Purged	TOC Elevation (feet, MSL)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Well Depth (feet bgs)	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO / TPH-g [p] (µg/L)	Benzene (µg/L)	Toluene (µg/L	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8020) (µg/L)	MTBE (8260) (µg/L)	Dissolved Oxygen [o] (mg/L)	pH Level [o]
MW-7	06/26/00		38.68	12.00	27.00	27.00	14.34	24.34	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/00						15.26	23.42	14,000	5.4	ND<0.5	2.8	5.9	71,000	NA	NA	NA
	09/19/00						15.70	22.98	8,400	420	38	470	220	5,600	NA	NA	NA
	12/21/00						16.02	22.66	NS[a]	NS[a]	NS[a]	NS[a]	NS[a]	NS[a]	NS[a]	NA	NA
	03/13/01						14.18	24.50	ND<2,000	154	63	46.3	127	175,000	160,000	NA	NA
	09/18/01						17.02	21.66	ND<100,000	1,900	ND<1,000	ND<1,000	2,800	190,000	370,000	NA	NA
	12/28/01						14.81	23.87	ND<20,000	ND<200	ND<200	ND<200	ND<200	84,000	72,000	NA	NA
	03/14/02						14.60	24.08	ND<50,000	ND<500	ND<500	ND<500	ND<500	85,000	85,000	NA	NA
	04/23/02						13.94	24.74	ND<20,000	530	200	220	800	67,000	NA	NA	NA
	07/17/02	NP					16.27	22.41	26,000 [d]	720	ND<250	ND<250	860	120,000	NA	1.0	6.9
	10/09/02	NP					17.16	21.52	110,000[d]	1,500	4,400	820	5,400	97,000	120,000	0.9	6.8
	01/13/03	NP					13.82	24.86	ND<50,000 [f]	ND<500 [f]	ND<500 [f]	ND<500 [f]	2,200 [f]	33,000 [f]	NA	0.8	6.6
	04/07/03 [n]	NP					14.52	24.16	ND<2,500	30	ND<25	ND<25	ND<25	NA	710	1.0	7.0
	07/09/03	NP					15.97	22.71	66,000	ND<500	ND<500	ND<500	ND<500	NA	36,000	1.6	6.7
	10/01/03	NP					17.03	21.65	130,000	570	ND<500	ND<500	ND<500	NA	84,000	0.7	6.6
	02/05/04 [q]	NP	38.54				14.75	23.79	55,000	300	ND<250	ND<250	ND<250	NA	34,000	1.0	6.7
	04/05/04	**NP**					**14.63**	**23.91**	**62,000**	**520**	**ND<250**	**ND<250**	**380**	**NA**	**37,000**	**1.0**	**6.7**
MW-8	02/05/04 [q]	P	38.91				15.61	23.30	3,600	ND<25	ND<25	ND<25	ND<25	NA	1,900	0.9	6.8
	04/05/04	**P**					**15.64**	**23.27**	**1,900**	**ND<10**	**ND>10**	**ND>10**	**ND>10**	**NA**	**1,200**	**3.2**	**6.7**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #2111
1156 Davis Street
San Leandro, California

Notes:	
bgs	= Below ground surface
BTEX	= Benzene, Toluene, Ethyl-benzene, and Total Xylenes analyzed by EPA method 8260B. (Prior to 04/07/03, analyzed by EPA method 8021B.)
GRO	= Gasoline range organics, analyzed by EPA method 8260B.
µg/L	= Micrograms per liter
mg/L	= Milligrams per liter
MSL	= Mean sea level
MTBE	= Methyl tertiary butyl ether analyzed by EPA Method 8260B. (Prior to 04/07/03, analyzed by EPA method 8021B unless otherwise noted.)
NA	= Not available
NC	= Not calculated
ND<	= Not detected at or above specified laboratory method detection limit
NM	= Not measured
NP	= Well not purged before sampling
P	= Well purged before sampling
TOC	= Top of casing
TPH-g	= Total Petroleum Hydrocarbons as Gasoline analyzed by EPA method 8260B. (Prior to 04/07/03, analyzed by EPA method 8015 modified.)
a	= Product sheen noted
b	= Well was sampled after batch extraction event.
c	= Chromatogram Pattern: Gasoline C6-C10
d	= Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel
e	= Discrete peak @C6-C7
f	= This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
g	= Well not sampled due to the detection of free product.
h	= Groundwater elevation adjusted for free product: (thickness of free product x 0.8) + measured groundwater elevation
j	= The closing calibration was outside acceptance limits by 1%. This should be considered in evaluating the result. The average % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor.
k	= The closing calibration was outside acceptance limits by 6%. This should be considered in evaluating the result. The average % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor.
l	= This analyse was not confirmed using a secondary column in accordance to client contract.
n	= TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on the second quarter 2003 sampling event (04/07/03).
o	=Dissolved Oxygen and pH levels are field measurements.
p	= 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.
q	= TOC elevations re-surveyed to NAVD'88 on February 23, 2004.
r	= Data collected during batch extraction activities
s	= Beginning in the second quarter of 2004, the carbon range for the TPH-GRO has been changed from C6-C10 to C-4 to C-12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.
Source :	The data within this table collected prior to July 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Groundwater Flow Direction and Gradient

ARCO Service Station #2111
1156 Davis Street
San Leandro, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
07/20/00	West-Northwest	0.006
09/19/00	West-Northwest	0.004
12/21/00	West-Northwest	0.004
03/13/01	West-Northwest	0.005
05/30/01	West-Northwest	0.004
09/18/01	West-Northwest	0.003
12/28/01	West-Northwest	0.003
03/14/02	West	0.004
04/23/02	West	0.006
07/17/02	West	0.003
10/09/02	West	0.002
01/13/03	Southwest	0.004
04/07/03	West-Northwest	0.009-0.011
07/09/03	West-Northwest	0.004
10/01/03	West	0.002
02/05/04	West	0.004
04/05/04	**West-Southwest**	**0.004**

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

Table 3
Fuel Oxygenate Analytical Data

ARCO Service Station #2111
1156 Davis Street
San Leandro, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-1	04/07/03	ND<100	ND<20	22	ND<0.50	ND<0.50	ND<0.50	NA	NA
	07/09/03	ND<5,000	ND<1,000	690	ND<25	ND<25	ND<25	NA	NA
	10/01/03	ND<500	ND<100	360	ND<2.5	ND<2.5	9.3	NA	NA
	02/05/04	ND<5,000	ND<1,000	1,100	ND<25	ND<25	32	ND<25	ND<25
	04/05/04	**ND<5,000 [a]**	**ND<1,000**	**1,700**	**ND<25**	**ND<25**	**38**	**ND<25**	**ND<25**
MW-2	**04/05/04**	**ND<1,000**	**ND<200**	**750**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**
MW-3	04/07/03	ND<100	ND<20	75	ND<0.50	ND<0.50	6.5	NA	NA
	07/09/03	ND<100	ND<20	52	ND<0.50	ND<0.50	4.2	NA	NA
	10/01/03	ND<100	ND<20	36	ND<0.50	ND<0.50	2.6	NA	NA
	02/05/04	ND<100	ND<20	37	ND<0.50	ND<0.50	3.1	ND<0.50	ND<0.50
	04/05/04	**ND<100 [a]**	**ND<20**	**53**	**ND<0.50**	**ND<0.50**	**3.7**	**ND<0.50**	**ND<0.50**
MW-4	04/07/03	ND<100	ND<20	24	ND<0.50	ND<0.50	7.3	NA	NA
	07/09/03	ND<100	ND<20	34	ND<0.50	ND<0.50	9.8	NA	NA
	10/01/03	ND<100	ND<20	28	ND<0.50	ND<0.50	7.0	NA	NA
	02/05/04	ND<100	ND<20	22	ND<0.50	ND<0.50	6.2	ND<0.50	ND<0.50
	04/05/04	**ND<100 [a]**	**ND<20**	**27**	**ND<0.50**	**ND<0.50**	**7.2**	**ND<0.50**	**ND<0.50**
MW-5	04/07/03	ND<20,000	ND<4,000	3,700	ND<100	ND<100	ND<100	NA	NA
	07/09/03	ND<10,000	ND<2,000	6,500	ND<50	ND<50	ND<50	NA	NA
	10/01/03	ND<10,000	ND<2,000	6,100	ND<50	ND<50	ND<50	NA	NA
	02/05/04	ND<10,000 [a]	ND<2,000	7,900	ND<50	ND<50	ND<50	ND<50	ND<50
	04/05/04	**ND<5,000 [a]**	**ND<1,000**	**2,000**	**ND<25**	**ND<25**	**ND<25**	**ND<25**	**ND<25**
MW-6	04/07/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	07/09/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
MW-7	04/07/03	ND<5,000	ND<1,000	710	ND<25	ND<25	ND<25	NA	NA
	07/09/03	ND<100,000	ND<20,000	36,000	ND<500	ND<500	ND<500	NA	NA
	10/01/03	ND<100,000	ND<20,000	84,000	ND<500	ND<500	ND<500	NA	NA
	02/05/04	ND<50,000	ND<10,000	34,000	ND<250	ND<250	ND<250	ND<250	ND<250
	04/05/04	**ND<50,000**	**ND<10,000**	**37,000**	**ND<250**	**ND<250**	**ND<250**	**ND<250**	**ND<250**

Table 3
Fuel Oxygenate Analytical Data

ARCO Service Station #2111
1156 Davis Street
San Leandro, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-8	02/05/04	ND<5,000	ND<1,000	1,900	ND<25	ND<25	ND<25	ND<25	ND<25
	04/05/04	**ND<2,000 [a]**	**ND<400**	**1,200**	**ND<10**	**ND<10**	**ND<12**	**ND<10**	**ND<10**

Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
ND< = Less than laboratory reporting limit
NA = Data not available, not analyzed, or not applicable
NS = Not Sampled
a = The continuing calibration verification was outside of client contractual acceptnace limits. However, it was within method acceptance limits. The data should still be used for its intended purpose.

Table 4
Approximate Cumulative Floating Product Recovered
1999 - present

ARCO Service Station 2153
2800 Homestead Road, Santa Clara, California

Well Designation	Product Recovery Field Date	Floating Product Thickness (feet)	Floating Product Recovered (gallons)
MW-2	06/28/99	0.45	0.300
MW-2	06/30/99	0.015	0.010
MW-2	07/07/99	0.06	0.040
MW-2	07/23/99	0.008	0.005
MW-2	08/25/99	0.02	0.013
MW-2	09/21/99	0.01	0.013
MW-2	11/10/99	ND	0.000
MW-2	02/09/00	ND	0.000
MW-2	04/23/02	ND	0.000
MW-2	07/17/02	Sheen	0.000
MW-2	10/9/2002*	NA	0.000
MW-2	01/13/03	0.26	0.132
MW-2	02/14/03	ND	0.000
MW-2	03/24/03	ND	0.000
MW-2	04/07/03	0.05	0.003
MW-2	05/23/03	ND	0.000
MW-2	06/24/03	0.03	0.012
MW-2	07/09/03	0.07	0.028
MW-2	07/31/03	0.05	0.034
MW-2	09/04/03	0.02	0.013
MW-2	10/01/03	0.07	0.021
MW-2	11/12/03	0.59	0.360
MW-2	12/11/03	0.05	0.066
MW-2	02/05/04	0.13	0.021
MW-2	02/16/04	0.02	0.013
MW-2	**03/11/04**	**ND**	**0.000**
MW-2	**03/30/04**	**ND**	**0.000**
MW-2	**04/05/04**	**ND**	**0.000**
Approximate Cumulative Floating Product:			**1.085**

* = Free product encountered, but unable to gauge.

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 # 040330-DW-3 Date 3-30-04 Client Arco 2111

Site 1156 Davis St. San Leandro

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-2	4	No	SPH detected			14.30	—	TOC	

WELL GAUGING DATA

Project # 040405-Ac1 Date 4/5/04 Client ZIII

Site 1156 Davis St. San Leandro

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	NP@
MW-1	4					16.25	26.30	TOC	12.5
MW-2	4	NO SPH Detected				14.35	26.68		12 ✓SPH
MW-3	4					15.78	26.65		11.9
MW-4	4					14.37	21.73		10
MW-5	2					14.14	23.85		9.4 sef co
MW-6	2					13.31	24.80		10
MW-7	4 ~~2~~					14.63	27.20		12
MW-8	2					15.64	39.70	↓	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040330-DW-3	Station # 2111
Sampler: Dave W	Date: 3-30-04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: -	Depth to Water: 14.20
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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	No SPH detected				

Did well dewater? Yes / No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Pace / Sequoia / Other_____	
Analyzed for: TPH-G / BTEX / MTBE / TPH-D / Other:			
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	___ mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	___ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040405-AC1	Station # 2111
Sampler: AC	Date: 4/5/04
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 26.30	Depth to Water: 16.25
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: 12.5

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

No Purge	x	___	=	___ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0840	63.1	6.5	799	—	odor
					*used BTS stock VOAs

Did well dewater? Yes (No)		Gallons actually evacuated: —	
Sampling Time: 0840		Sampling Date: 4/5/04	
Sample I.D.: MW-1		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxy's(5), EDB, 1,2-DCA, Ethanol		
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	1.0 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040405-AC1	Station # 2111
Sampler: AC	Date: 4/5/04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 26.68	Depth to Water: 14.35
Depth to Free Product: —	Thickness of Free Product (feet): (0)
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: 12

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

No Purge (1 Case Volume (Gals.)) x ___ (Specified Volumes) = ___ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
NO SPH	Detected				
0925	62.1	6.7	681	—	odor
					* used BTS stock vials

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

Sampling Time: 0925 Sampling Date: 4/5/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's(5), EDB, 1,2-DCA, Ethanol

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.6 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040405-AC1	Station # 2111
Sampler: AC	Date: 4/5/04
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 26.65	Depth to Water: 15.78
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: 11.90

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

No Purge (1 Case Volume (Gals.)) X ____ (Specified Volumes) = ____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0825	61.8	6.6	704	—	Clear
					*Used BTS stock VOAs

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

Sampling Time: 0825 Sampling Date: 4/5/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's(5), EDB, 1,2-DCA, Ethanol

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040405-AC1	Station # 2111
Sampler: AC	Date: 4/5/04
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 21.73	Depth to Water: 14.37
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: 10'

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

No Purge	x	_____	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0810	64.1	6.5	802	—	Clear
					*used BTS stock VOAs

Did well dewater? Yes (No)		Gallons actually evacuated: —	
Sampling Time: 0810		Sampling Date: 4/5/04	
Sample I.D.: MW-4		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D		Other: Oxy's(5), EDB, 1,2-DCA, Ethanol	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: 1.1 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040405-AC1	Station # 2111
Sampler: AC	Date: 4/5/04
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 23.85	Depth to Water: 14.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	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.

NO Purge (1 Case Volume (Gals.)) X ___ (Specified Volumes) = ___ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0945	61.3	6.6	551	—	clear
					*used BTS stock VOAs

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

Sampling Time: 0945 Sampling Date: 4/5/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's(5), EDB, 1,2-DCA, Ethanol

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040405-AC1	Station # 2111
Sampler: AC	Date: 4/5/04
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 27.20	Depth to Water: 14.63
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: 12

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

NO Purge (1 Case Volume (Gals.)) x ___ (Specified Volumes) = ___ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0905	62.3	6.7	1103	—	odor
					* Used BTS stock VOAs

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

Sampling Time: 0905 Sampling Date: 4/5/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's(5), EDB, 1,2-DCA, Ethanol

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040405-AC1	Station # 2111
Sampler: AC	Date: 4/5/04
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.70	Depth to Water: 15.64
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.

4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 12 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0952	63.5	6.7	696	4	brown, cloudy
0958	63.6	6.8	697	8	"
1004	63.8	6.7	696	12	"
					*used BTS stock VOAs

Did well dewater? Yes (No) Gallons actually evacuated: 12

Sampling Time: 1010 Sampling Date: 4/5/04

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxy's(5), EDB, 1,2-DCA, Ethanol

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.2	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:

2111

Station #

1156 Davis St. San Leandro

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

12

added equip. rinse water 5

any other adjustments

TOTAL GALS. RECOVERED 17

loaded onto BTS vehicle # 52

BTS event #	time	date
040405-ACC	1045	4/5/04

signature Ann Costa

* *

REC'D AT	time	date
		/ /

unloaded by

signature

URS Field Visit Form

URS Corporation, Oakland Office
1333 Broadway, Suite 800
Oakland, CA 94612

Date/ Time: 3/11/04
Location: ARCO 2111, 1156 Davis Rd. San Leandro, CA
Employees: Joe Gonzales
Weather Conditions: Sunny
PPE Required: Level D
Purpose of Visit: Batch extraction from MW-2.

Time	Actions Taken/ Observations
0645	Arrive on site Dillard (ed) here. MW-8 is parked over
	set up on MW-2. talk to station person about moving car. (car moved)
0715	DTFP none detected DTW 13.81
0720	Dewater well & sample
0730	take DTWs MW-8 15.15
	MW-5 13.66
	continue pumping out of MW-2
0750	station manager wants us to move truck because we are affecting sales? Agree to move truck closer to station boundary, mechanic has to come to move cars, will be here at approx 0800. waiting
815	set up again on MW-2. The way the station manager had us set up blocks access to MW-8, so can't get DTW readings on it
910	take DTW reading on MW-5 ~~tank removed~~ tank is approx 1/3 full ~1300 gal
950	oil cap on pump keeps falling out & leaking oil. Ed trying to fix it. tank is just under almost half full
1010	shut down truck, it's burning oil, will let cool then restart
1022	resume ~~extracting~~ from MW-2
1100	tank is half full (2500 gal)
1200	tank is ~5/8 full
1230	pull hose DTW ~17ft well recharge from 15' to 14' in 200 min
1235	sample
1240	DTW in MW-2 13.91
1243	DTW in MW-5 13.68
1315	leave site, tank is just over 5/8 full (~3125 gallons removed)

MW-5

730	13.66
820	13.64
850	13.72
910	13.73
930	13.74
950	13.73
1010	13.70
1030	13.71
1050	13.73
1120	13.75
1140	13.75

Note on oil. spilled approx 1/2 qt onto ground. leaned with absorbent pads & absorbent sand, swept up & all materials to be disposed of by dillard.

Dillard to enter in TRACKON (3/11/04) mw

Departure Time:

ATTACHMENT B

LABORATORY PROCEDURES, CERTIFIED ANALYTICAL REPORTS, AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by Group Environmental Management Company have been reviewed and verified by that laboratory.

Sequoia
Analytical

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

20 April, 2004

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

RE: ARCO #2111, San Leandro, CA
Work Order: MND0109

Enclosed are the results of analyses for samples received by the laboratory on 04/06/04 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MND0109-01	Water	04/05/04 09:25	04/06/04 16:00
MW-7	MND0109-02	Water	04/05/04 09:05	04/06/04 16:00
MW-1	MND0109-03	Water	04/05/04 08:40	04/06/04 16:00
MW-3	MND0109-04	Water	04/05/04 08:25	04/06/04 16:00
MW-4	MND0109-05	Water	04/05/04 08:10	04/06/04 16:00
MW-8	MND0109-06	Water	04/05/04 10:10	04/06/04 16:00
MW-5	MND0109-08	Water	04/05/04 09:45	04/06/04 16:00

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

These samples were received with intact custody seals.

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MND0109-01) Water Sampled: 04/05/04 09:25 Received: 04/06/04 16:00									
Ethanol	ND	1000	ug/l	10	4D09004	04/09/04	04/10/04	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**750**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Benzene	**33**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**200**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**2300**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*		*78-129*		"	"	"	
MW-7 (MND0109-02) Water Sampled: 04/05/04 09:05 Received: 04/06/04 16:00									
Ethanol	ND	50000	ug/l	500	4D09004	04/09/04	04/10/04	EPA 8260B	
tert-Butyl alcohol	ND	10000	"	"	"	"	"	"	
Methyl tert-butyl ether	**37000**	250	"	"	"	"	"	"	
Di-isopropyl ether	ND	250	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	250	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	250	"	"	"	"	"	"	
1,2-Dichloroethane	ND	250	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	250	"	"	"	"	"	"	
Benzene	**520**	250	"	"	"	"	"	"	
Toluene	ND	250	"	"	"	"	"	"	
Ethylbenzene	ND	250	"	"	"	"	"	"	
Xylenes (total)	**380**	250	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**62000**	25000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*		*78-129*		"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MND0109-03) Water Sampled: 04/05/04 08:40 Received: 04/06/04 16:00									
Ethanol	ND	5000	ug/l	50	4D09036	04/09/04	04/10/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	**1700**	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	**38**	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
Benzene	**46**	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**5800**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*78-129*		"	"	"	"	
MW-3 (MND0109-04) Water Sampled: 04/05/04 08:25 Received: 04/06/04 16:00									
Ethanol	ND	100	ug/l	1	4D09036	04/09/04	04/10/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**53**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	**3.7**	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.60**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**140**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MND0109-05) Water Sampled: 04/05/04 08:10 Received: 04/06/04 16:00									
Ethanol	ND	100	ug/l	1	4D09036	04/09/04	04/10/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**27**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	**7.2**	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**110**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*		*78-129*	"	"	"	"	
MW-8 (MND0109-06) Water Sampled: 04/05/04 10:10 Received: 04/06/04 16:00									
Ethanol	ND	2000	ug/l	20	4D09036	04/09/04	04/10/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	400	"	"	"	"	"	"	
Methyl tert-butyl ether	**1200**	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
tert-Amyl methyl ether	**12**	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
Benzene	ND	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**1900**	1000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*		*78-129*	"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MND0109-08) Water Sampled: 04/05/04 09:45 Received: 04/06/04 16:00									
Ethanol	ND	5000	ug/l	50	4D09036	04/09/04	04/10/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	**2000**	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
Benzene	ND	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**4000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*78-129*		"	"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4D09004 - EPA 5030B P/T										
Blank (4D09004-BLK1)				Prepared & Analyzed: 04/09/04						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.73*		"	*5.00*		*94.6*	*78-129*			
Laboratory Control Sample (4D09004-BS1)				Prepared & Analyzed: 04/09/04						
Ethanol	192	100	ug/l	200		96.0	31-186			
tert-Butyl alcohol	46.9	5.0	"	50.0		93.8	0-206			
Methyl tert-butyl ether	9.74	0.50	"	10.0		97.4	63-137			
Di-isopropyl ether	10.2	0.50	"	10.0		102	76-130			
Ethyl tert-butyl ether	9.85	0.50	"	10.0		98.5	61-141			
tert-Amyl methyl ether	9.46	0.50	"	10.0		94.6	56-140			
1,2-Dichloroethane	9.55	0.50	"	10.0		95.5	77-136			
1,2-Dibromoethane (EDB)	8.81	0.50	"	10.0		88.1	77-132			
Benzene	9.84	0.50	"	10.0		98.4	78-124			
Toluene	9.48	0.50	"	10.0		94.8	78-129			
Ethylbenzene	9.94	0.50	"	10.0		99.4	84-117			
Xylenes (total)	26.9	0.50	"	30.0		89.7	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.59*		"	*5.00*		*91.8*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4D09004 - EPA 5030B P/T										
Laboratory Control Sample (4D09004-BS2)				Prepared & Analyzed: 04/09/04						
Gasoline Range Organics (C4-C12)	360	50	ug/l	440		81.8	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.67*		"	*5.00*		*93.4*	*78-129*			
Laboratory Control Sample Dup (4D09004-BSD1)				Prepared & Analyzed: 04/09/04						
Ethanol	218	100	ug/l	200		109	31-186	12.7	37	
tert-Butyl alcohol	47.3	5.0	"	50.0		94.6	0-206	0.849	22	
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	63-137	3.63	13	
Di-isopropyl ether	10.6	0.50	"	10.0		106	76-130	3.85	9	
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	61-141	4.47	9	
tert-Amyl methyl ether	10.1	0.50	"	10.0		101	56-140	6.54	12	
1,2-Dichloroethane	10.0	0.50	"	10.0		100	77-136	4.60	13	
1,2-Dibromoethane (EDB)	9.16	0.50	"	10.0		91.6	77-132	3.90	9	
Benzene	10.1	0.50	"	10.0		101	78-124	2.61	12	
Toluene	9.61	0.50	"	10.0		96.1	78-129	1.36	10	
Ethylbenzene	9.93	0.50	"	10.0		99.3	84-117	0.101	10	
Xylenes (total)	27.7	0.50	"	30.0		92.3	83-125	2.93	11	
Surrogate: 1,2-Dichloroethane-d4	*4.53*		"	*5.00*		*90.6*	*78-129*			
Laboratory Control Sample Dup (4D09004-BSD2)				Prepared & Analyzed: 04/09/04						
Gasoline Range Organics (C4-C12)	441	50	ug/l	440		100	70-124	20.2	20	QC21
Surrogate: 1,2-Dichloroethane-d4	*4.66*		"	*5.00*		*93.2*	*78-129*			
Matrix Spike (4D09004-MS1)	**Source: MND0185-01**			Prepared: 04/09/04 Analyzed: 04/10/04						
Ethanol	4070	2000	ug/l	4000	ND	102	31-186			
tert-Butyl alcohol	921	100	"	1000	ND	92.1	0-206			
Methyl tert-butyl ether	1220	10	"	200	1100	60.0	63-137			QM05
Di-isopropyl ether	199	10	"	200	ND	99.5	76-130			
Ethyl tert-butyl ether	192	10	"	200	ND	96.0	61-141			
tert-Amyl methyl ether	190	10	"	200	6.8	91.6	56-140			
1,2-Dichloroethane	198	10	"	200	ND	99.0	77-126			
1,2-Dibromoethane (EDB)	176	10	"	200	ND	88.0	77-132			
Benzene	193	10	"	200	ND	96.5	78-124			
Toluene	180	10	"	200	ND	90.0	78-129			
Ethylbenzene	189	10	"	200	ND	94.5	84-117			
Xylenes (total)	522	10	"	600	ND	87.0	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.66*		"	*5.00*		*93.2*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4D09004 - EPA 5030B P/T										
Matrix Spike Dup (4D09004-MSD1)	**Source: MND0185-01**			Prepared: 04/09/04 Analyzed: 04/10/04						
Ethanol	4890	2000	ug/l	4000	ND	122	31-186	18.3	37	
tert-Butyl alcohol	991	100	"	1000	ND	99.1	0-206	7.32	22	
Methyl tert-butyl ether	1260	10	"	200	1100	80.0	63-137	3.23	13	
Di-isopropyl ether	202	10	"	200	ND	101	76-130	1.50	9	
Ethyl tert-butyl ether	194	10	"	200	ND	97.0	61-141	1.04	9	
tert-Amyl methyl ether	194	10	"	200	6.8	93.6	56-140	2.08	12	
1,2-Dichloroethane	200	10	"	200	ND	100	77-126	1.01	13	
1,2-Dibromoethane (EDB)	179	10	"	200	ND	89.5	77-132	1.69	9	
Benzene	198	10	"	200	ND	99.0	78-124	2.56	12	
Toluene	188	10	"	200	ND	94.0	78-129	4.35	10	
Ethylbenzene	195	10	"	200	ND	97.5	84-117	3.12	10	
Xylenes (total)	542	10	"	600	ND	90.3	83-125	3.76	11	
Surrogate: 1,2-Dichloroethane-d4	*4.85*		"	*5.00*		*97.0*	*78-129*			
Batch 4D09036 - EPA 5030B P/T										
Blank (4D09036-BLK1)				Prepared: 04/09/04 Analyzed: 04/10/04						
Ethanol	ND	100	ug/l							CC04
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.97*		"	*5.00*		*99.4*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4D09036 - EPA 5030B P/T										
Laboratory Control Sample (4D09036-BS1)				Prepared: 04/09/04 Analyzed: 04/10/04						
Ethanol	206	100	ug/l	200		103	31-186			CC04
tert-Butyl alcohol	47.1	20	"	50.0		94.2	0-206			
Methyl tert-butyl ether	9.63	0.50	"	10.0		96.3	63-137			
Di-isopropyl ether	10.1	0.50	"	10.0		101	76-130			
Ethyl tert-butyl ether	9.82	0.50	"	10.0		98.2	61-141			
tert-Amyl methyl ether	9.70	0.50	"	10.0		97.0	56-140			
1,2-Dichloroethane	10.0	0.50	"	10.0		100	77-136			
1,2-Dibromoethane (EDB)	8.88	0.50	"	10.0		88.8	77-132			
Benzene	9.95	0.50	"	10.0		99.5	78-124			
Toluene	9.16	0.50	"	10.0		91.6	78-129			
Ethylbenzene	9.76	0.50	"	10.0		97.6	84-117			
Xylenes (total)	27.5	0.50	"	30.0		91.7	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.70*		"	*5.00*		*94.0*	*78-129*			
Laboratory Control Sample (4D09036-BS2)				Prepared: 04/09/04 Analyzed: 04/10/04						
Methyl tert-butyl ether	8.69	0.50	ug/l	9.92		87.6	63-137			
Benzene	5.71	0.50	"	6.40		89.2	78-124			
Toluene	34.4	0.50	"	29.7		116	78-129			
Ethylbenzene	7.73	0.50	"	6.96		111	84-117			
Xylenes (total)	36.9	0.50	"	33.7		109	83-125			
Gasoline Range Organics (C4-C12)	406	50	"	440		92.3	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.78*		"	*5.00*		*95.6*	*78-129*			
Laboratory Control Sample Dup (4D09036-BSD1)				Prepared: 04/09/04 Analyzed: 04/10/04						
Ethanol	237	100	ug/l	200		118	31-186	14.0	37	CC04
tert-Butyl alcohol	47.6	20	"	50.0		95.2	0-206	1.06	22	
Methyl tert-butyl ether	9.52	0.50	"	10.0		95.2	63-137	1.15	13	
Di-isopropyl ether	10.2	0.50	"	10.0		102	76-130	0.985	9	
Ethyl tert-butyl ether	9.78	0.50	"	10.0		97.8	61-141	0.408	9	
tert-Amyl methyl ether	9.80	0.50	"	10.0		98.0	56-140	1.03	12	
1,2-Dichloroethane	10.5	0.50	"	10.0		105	77-136	4.88	13	
1,2-Dibromoethane (EDB)	9.15	0.50	"	10.0		91.5	77-132	3.00	9	
Benzene	10.2	0.50	"	10.0		102	78-124	2.48	12	
Toluene	9.60	0.50	"	10.0		96.0	78-129	4.69	10	
Ethylbenzene	10.4	0.50	"	10.0		104	84-117	6.35	10	
Xylenes (total)	28.4	0.50	"	30.0		94.7	83-125	3.22	11	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4D09036 - EPA 5030B P/T										
Laboratory Control Sample Dup (4D09036-BSD1)				Prepared: 04/09/04 Analyzed: 04/10/04						
Surrogate: 1,2-Dichloroethane-d4	*4.77*		*ug/l*	*5.00*		*95.4*	*78-129*			
Laboratory Control Sample Dup (4D09036-BSD2)				Prepared: 04/09/04 Analyzed: 04/10/04						
Methyl tert-butyl ether	9.15	0.50	ug/l	9.92		92.2	63-137	5.16	13	
Benzene	6.02	0.50	"	6.40		94.1	78-124	5.29	12	
Toluene	36.4	0.50	"	29.7		123	78-129	5.65	10	
Ethylbenzene	8.10	0.50	"	6.96		116	84-117	4.67	10	
Xylenes (total)	38.5	0.50	"	33.7		114	83-125	4.24	11	
Gasoline Range Organics (C4-C12)	407	50	"	440		92.5	70-124	0.246	20	
Surrogate: 1,2-Dichloroethane-d4	*4.95*		*"*	*5.00*		*99.0*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #2111, San Leandro, CA	MND0109
1333 Broadway, Suite 800	Project Number: INTRIM-50277	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	04/20/04 13:19

Notes and Definitions

QM05	The spike recovery was below control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QC21	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.
CC04	The continuing calibration verification was outside of client contractual acceptance limits by 6.9 %. However, it was within method acceptance limits. The data should 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

MNDO109

Project Name 2111 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 4/5/04 Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time: 0800 Temp: 60°
Off-site Time: 1045 Temp: 65°
Sky Conditions: Cloudy
Meteorological Events:
Wind Speed: 0 mph Direction:

Send To:	BP/GEM Facility No.: ARCO 2111	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 1156 DAVIS ST, San Leandro, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 2111	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail RDD: donna_cosper@URSCorp.com
	California Global ID #: T0600101764	Consultant/Contractor Project No.: 35-00002111.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50277

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: GRO / BTEX (8015/8021 or 8260)	DRO w/SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-2	0925		X			01	3				X	X				X	X	X	
2	MW-7	0905		X			02	3				X	X				X	X	X	
3	MW-1	0840		X			03	3				X	X				X	X	X	
4	MW-3	0825		X			04	3				X	X				X	X	X	
5	MW-4	0810		X			05	3				X	X				X	X	X	
6	MW-8	1010		X			06	3				X	X				X	X	X	
7	~~MW-6 Dup~~	~~1025~~		X				3				X	X				X	X	X	
8	TB-2111-040204	—		X			07	2				X								"ON HOLD"
9																				
10																				

Sampler's Name: Aaron Costa	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech	Aaron Costa / Blaine Tech	4/6/04	10:14	MAURICE SEALS	4/6/04	10:14
Shipment Date:	MAURICE SEALS	4/6/04	4:00		4/6/04	14:00
Shipment Method:						
Shipment Tracking No:						

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

Ice Yes No Temperature Blank Yes No Cooler Temperature on Receipt 5 °F/C Trip Blank Yes No

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

BP COC Rev. 1 2/5/02

Chain of Custody Record

MUD 0109

Project Name 2111 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 4/5/04 Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time: 0800	Temp: 60°
Off-site Time: 1045	Temp: 65°
Sky Conditions: cloudy	
Meteorological Events:	
Wind Speed: 0 mph	Direction:

Send To:	BP/GEM Facility No.: ARCO 2111	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 1156 DAVIS ST, San Leandro, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 2111	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #: T0600101764	Consultant/Contractor Project No.: 15-00002111.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50277

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	Preservatives	Preservatives	Requested Analysis: GRO / BTEX 8260	Requested Analysis: DRO w/SGC (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	Requested Analysis	Requested Analysis	Sample Point Lat/Long and Comments
1	MW-5	0945		X			01	3				X			X				X	X	X				
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: Blaine Tech	Aaron Costa / Blaine Tech	4/6/04	10:14	MAURICE SEALS	4/6/04	10:14
Shipment Date:	MAURICE SEALS	4/6/04	4:00		4/6/04	16:00
Shipment Method:						
Shipping Tracking No:						

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

Ice Chest Present? Yes ~ No ___ Temperature Blank Yes ~ No ___ Cooler Temperature on Receipt 5 °F/C Trip Blank Yes ~ No ___

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: MRS
REC. BY (PRINT): EB
WORKORDER: M0D0109

DATE REC'D AT LAB: 4-6-04
TIME REC'D AT LAB: 1600
DATE LOGGED IN: 4-7-04

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; (Intact) / Broken*	01		MW-1	3 voas	HCl	W	4-4-04	
	02		7					
2. Chain-of-Custody: (Present) / Absent*	03		1					
3. Traffic Reports or Packing List: Present / (Absent)	04		3					
4. Airbill: Airbill / Sticker Present / (Absent)	05		4					
	06		8					
	07		TB-2111-040204	2 voas	HCl			
5. Airbill #: —	08		MW-5	3 voas				
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time: (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper Preservatives used: (Yes) / No*								
13. Temp Rec. at Lab: 5 C; Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)

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

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

SEVERN TRENT STL

Submission#: 2004-03-0396

URS-Oakland, CA

March 30, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson
Project: BP Facility No: 2111
Site: 1156 Davis Street, San Leandro, CA

Attached is our report for your samples received on 03/11/2004 18:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 04/25/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

URS-Oakland, CA

March 30, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson
Project: BP Facility No: 2111
Site: 1156 Davis Street, San Leandro, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 3 Water samples , on Thursday, March 11, 2004 6:30 PM.

Analysis Coments and Flags by QC Batch

Gas/BTEX by 8015M/8021	Water	QC Batch#: 2004/03/16-01.05

GW-1 2004030396 001
Compound Flag(s)
g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

GW-2 2004030396 002
Compound Flag(s)
g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200403172A66

GW-1 2004030396 001
Analysis Flag(s)
o Reporting limits were raised due to high level of analyte present in the sample.

GW-1 2004030396 001
Compound Flag(s)
sh Surrogate recovery was higher than QC limit due to matrix interference.

GW-2 2004030396 002
Analysis Flag(s)
o Reporting limits were raised due to high level of analyte present in the sample.

GW-2 2004030396 002
Compound Flag(s)
sh Surrogate recovery was higher than QC limit due to matrix interference.

SEVERN TRENT STL

Submission #: 2004-03-0396

Gas/BTEX by 8015M/8021B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GW-1	03/11/2004 07:20	Water	1
GW-2	03/11/2004 12:35	Water	2

Gas/BTEX by 8015M/8021B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Prep(s): 5030 Test(s): 8015M

Sample ID: **GW-1** Lab ID: 2004-03-0396 - 1

Sampled: 03/11/2004 07:20 Extracted: 3/16/2004 18:59

Matrix: Water QC Batch#: 2004/03/16-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	78000	25000	ug/L	500.00	03/16/2004 18:59	g
Surrogate(s)						
4-Bromofluorobenzene-FID	85.1	50-150	%	500.00	03/16/2004 18:59	

Gas/BTEX by 8015M/8021B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Prep(s): 5030
Sample ID: **GW-2**
Sampled: 03/11/2004 12:35
Matrix: Water

Test(s): 8015M
Lab ID: 2004-03-0396 - 2
Extracted: 3/16/2004 21:16
QC Batch#: 2004/03/16-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	22000	10000	ug/L	200.00	03/16/2004 21:16	g
Surrogate(s)						
4-Bromofluorobenzene-FID	83.9	50-150	%	200.00	03/16/2004 21:16	

Gas/BTEX by 8015M/8021B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Batch QC Report

Prep(s): 5030 — Test(s): 8015M

Method Blank — **Water** — **QC Batch # 2004/03/16-01.05**

MB: 2004/03/16-01.05-003 — Date Extracted: 03/16/2004 07:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/16/2004 07:42	
Surrogates(s)					
4-Bromofluorobenzene-FID	93.5	50-150	%	03/16/2004 07:42	

Gas/BTEX by 8015M/8021B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/03/16-01.05**

LCS 2004/03/16-01.05-006 Extracted: 03/16/2004 Analyzed: 03/16/2004 09:25

LCSD 2004/03/16-01.05-007 Extracted: 03/16/2004 Analyzed: 03/16/2004 10:00

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	256	229	250	102.4	91.6	11.1	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	461	452	500	92.2	90.4		50-150			

Gas/BTEX by 8015M/8021B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

SEVERN TRENT STL

Submission #: 2004-03-0396

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GW-1	03/11/2004 07:20	Water	1
GW-2	03/11/2004 12:35	Water	2

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Prep(s): 5030B
Sample ID: **GW-1**
Sampled: 03/11/2004 07:20
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260B
Lab ID: 2004-03-0396 - 1
Extracted: 3/18/2004 01:31
QC Batch#: 2004/03/17-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	770	500	ug/L	1000.00	03/18/2004 01:31	
Toluene	ND	500	ug/L	1000.00	03/18/2004 01:31	
Ethylbenzene	ND	500	ug/L	1000.00	03/18/2004 01:31	
Total xylenes	1100	1000	ug/L	1000.00	03/18/2004 01:31	
tert-Butyl alcohol (TBA)	ND	5000	ug/L	1000.00	03/18/2004 01:31	
Methyl tert-butyl ether (MTBE)	94000	500	ug/L	1000.00	03/18/2004 01:31	
Di-isopropyl Ether (DIPE)	ND	1000	ug/L	1000.00	03/18/2004 01:31	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/L	1000.00	03/18/2004 01:31	
tert-Amyl methyl ether (TAME)	ND	500	ug/L	1000.00	03/18/2004 01:31	
Surrogate(s)						
1,2-Dichloroethane-d4	115.2	76-114	%	1000.00	03/18/2004 01:31	sh
Toluene-d8	100.3	88-110	%	1000.00	03/18/2004 01:31	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Prep(s): 5030B
Test(s): 8260B
Sample ID: **GW-2**
Lab ID: 2004-03-0396 - 2
Sampled: 03/11/2004 12:35
Extracted: 3/18/2004 01:55
Matrix: Water
QC Batch#: 2004/03/17-2A.66
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	380	250	ug/L	500.00	03/18/2004 01:55	
Toluene	ND	250	ug/L	500.00	03/18/2004 01:55	
Ethylbenzene	ND	250	ug/L	500.00	03/18/2004 01:55	
Total xylenes	590	500	ug/L	500.00	03/18/2004 01:55	
tert-Butyl alcohol (TBA)	ND	2500	ug/L	500.00	03/18/2004 01:55	
Methyl tert-butyl ether (MTBE)	46000	250	ug/L	500.00	03/18/2004 01:55	
Di-isopropyl Ether (DIPE)	ND	500	ug/L	500.00	03/18/2004 01:55	
Ethyl tert-butyl ether (ETBE)	ND	250	ug/L	500.00	03/18/2004 01:55	
tert-Amyl methyl ether (TAME)	ND	250	ug/L	500.00	03/18/2004 01:55	
Surrogate(s)						
1,2-Dichloroethane-d4	132.4	76-114	%	500.00	03/18/2004 01:55	sh
Toluene-d8	104.0	88-110	%	500.00	03/18/2004 01:55	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Water — Test(s): 8260B

Method Blank — **QC Batch # 2004/03/17-2A.66**

MB: 2004/03/17-2A.66-025 — Date Extracted: 03/17/2004 19:25

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	03/17/2004 19:25	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/17/2004 19:25	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	03/17/2004 19:25	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	03/17/2004 19:25	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	03/17/2004 19:25	
Benzene	ND	0.5	ug/L	03/17/2004 19:25	
Toluene	ND	0.5	ug/L	03/17/2004 19:25	
Ethylbenzene	ND	0.5	ug/L	03/17/2004 19:25	
Total xylenes	ND	1.0	ug/L	03/17/2004 19:25	
Surrogates(s)					
1,2-Dichloroethane-d4	106.6	76-114	%	03/17/2004 19:25	
Toluene-d8	93.8	88-110	%	03/17/2004 19:25	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/03/17-2A.66**

LCS 2004/03/17-2A.66-037 Extracted: 03/17/2004 Analyzed: 03/17/2004 18:37

LCSD 2004/03/17-2A.66-001 Extracted: 03/17/2004 Analyzed: 03/17/2004 19:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.2	23.6	25	108.8	94.4	14.2	65-165	20		
Benzene	27.7	25.7	25	110.8	102.8	7.5	69-129	20		
Toluene	25.3	23.8	25	101.2	95.2	6.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	518	496	500	103.6	99.2		76-114			
Toluene-d8	504	498	500	100.8	99.6		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: BP Facility No: 2111

Received: 03/11/2004 18:30

Site: 1156 Davis Street, San Leandro, CA

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

sh

Surrogate recovery was higher than QC limit due to matrix interference.

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 03 . 0396

Checklist completed by: (initials) MN Date: 03/12 /04

Courier name: ☒ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes____ No____	Not Present ✓
Chain of custody present?	Yes ✓ No____	
Chain of custody signed when relinquished and received?	Yes ✓ No____	
Chain of custody agrees with sample labels?	Yes ✓ No____	
Samples in proper container/bottle?	Yes ✓ No____	
Sample containers intact?	Yes ✓ No____	
Sufficient sample volume for indicated test?	Yes ✓ No____	
All samples received within holding time?	Yes ✓ No____	
Container/Temp Blank temperature in compliance (4^0 C ± 2)?	Temp: 2.0 °C Yes ✓ No____	
	Ice Present Yes ✓ No____	
Water - VOA vials have zero headspace?	No VOA vials submitted____ Yes ✓ No____	

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium – O) or L (large – O)

Water - pH acceptable upon receipt? ☑ Yes ☐ No

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ___/___/04

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

2004-03-0396

83818 Page 1 of 1

bp Chain of Custody Record

Project Name Station 2111 - Batch Extraction
BP BU/GEM CO Portfolio: Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy)
(Standard 14 day TAT)

On-site Time: 0645	Temp:
Off-site Time: 1315	Temp:
Sky Conditions: Sunny	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: Station 2111	Consultant/Contractor: URS Oakland
Lab Name: STL-SF (Pleasanton)	BP/GEM Facility Address: 1156 Davis Street, San Leandro, CA	Address: 1333 Broadway, Suite 800
Lab Address:	Site ID No.: Station 2111	Oakland, CA 94612
1220 Quarry Lane	Site Lat/Long:	e-mail EDD: No EDF
Pleasanton, CA 94566	California Global ID #:	Consultant/Contractor Project No.:
Lab PM: Afsaneh Salimpour	BP/GEM PM Contact: Paul Supple	Consultant/Contractor Tele/Fax: 510.874.3600/510.874.3268
Tele/Fax: 925.484.1919/925.484.1096	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: Level 1	Moraga, CA 94570	Invoice to: Consultant or BP or Atlantic Richfield Co (Circle one)
BP/GEM Account No.:	Tele/Fax: 925.299.8891/925.299.8872	BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-g (8015M)	Requested Analysis: BTEX (8260)	Requested Analysis: MTBE (8260)	Requested Analysis: Fuel Oxy (8260)	Sample Point Lat/Long and Comments
																	2.0°C
1	GW-1	0720	3/4/04		X			3				X	X	X	X		Pre-extraction from MW-2
2	GW-2	1235	3/4		X			3				X	X	X	X		Post-extraction from MW-2
3	Trip Blank				X			1				X					ON HOLD
4																	
5																	
6																	No EDF
7																	
8																	
9																	
10																	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Joe Gonzales						
Sampler's Company: URS	[signature] URS	3/4/04	19:15	[signature] STL	3/4/04	19:00
Shipment Date:	[signature] STL	3/4/04	1982			
Shipment Method:				Roundup STL-SF	3-4-04	0830
Shipment Tracking No:						

Special Instructions:

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

BP COC 2/25/04

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

AB2886 Electronic Delivery

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**QMR Geowell Q2 2004 Site 2111**
Submittal Date/Time:	**4/20/2004 5:25:19 PM**
Confirmation Number:	**8782819986**

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

AB2886 Electronic Delivery

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

Your EDF file has been succcessfully uploaded!

Confirmation Number: 6678733766
Date/Time of Submittal: 4/20/2004 5:10:35 PM
Facility Global ID: T0600101764
Facility Name: ARCO # 02111
Submittal Title: QMR Q2 2004 Site 11131
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Error Summary Log

04/20/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #2111, San Leandro,
Work Order Number:	MND0109
Global ID:	T0600101764
Lab Report Number:	MND0109042020041319

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MND0109042020 041319	MW-1	MND010903	W	CS	8260FA	SW5030B	04/05/04	04/09/04	04/10/04	4D09036	1	
MND0109042020 041319	MW-2	MND010901	W	CS	8260FA	SW5030B	04/05/04	04/09/04	04/10/04	4D09004	1	
MND0109042020 041319	MW-3	MND010904	W	CS	8260FA	SW5030B	04/05/04	04/09/04	04/10/04	4D09036	1	
MND0109042020 041319	MW-4	MND010905	W	CS	8260FA	SW5030B	04/05/04	04/09/04	04/10/04	4D09036	1	
MND0109042020 041319	MW-5	MND010908	W	CS	8260FA	SW5030B	04/05/04	04/09/04	04/10/04	4D09036	1	
MND0109042020 041319	MW-7	MND010902	W	CS	8260FA	SW5030B	04/05/04	04/09/04	04/10/04	4D09004	1	
MND0109042020 041319	MW-8	MND010906	W	CS	8260FA	SW5030B	04/05/04	04/09/04	04/10/04	4D09036	1	
		MND018501	W	NC	8260FA	SW5030B	/ /	04/09/04	04/10/04	4D09004	1	
		4D09004BSD1	WQ	BD1	8260FA	SW5030B	/ /	04/09/04	04/09/04	4D09004	1	
		4D09004BSD2	WQ	BD2	8260FA	SW5030B	/ /	04/09/04	04/09/04	4D09004	1	
		4D09004BS1	WQ	BS1	8260FA	SW5030B	/ /	04/09/04	04/09/04	4D09004	1	
		4D09004BS2	WQ	BS2	8260FA	SW5030B	/ /	04/09/04	04/09/04	4D09004	1	
		4D09004BLK1	WQ	LB1	8260FA	SW5030B	/ /	04/09/04	04/09/04	4D09004	1	
		4D09004MS1	W	MS1	8260FA	SW5030B	/ /	04/09/04	04/10/04	4D09004	1	
		4D09004MSD1	W	SD1	8260FA	SW5030B	/ /	04/09/04	04/10/04	4D09004	1	
		4D09036BSD1	WQ	BD1	8260FA	SW5030B	/ /	04/09/04	04/10/04	4D09036	1	
		4D09036BSD2	WQ	BD2	8260FA	SW5030B	/ /	04/09/04	04/10/04	4D09036	1	
		4D09036BS1	WQ	BS1	8260FA	SW5030B	/ /	04/09/04	04/10/04	4D09036	1	
		4D09036BS2	WQ	BS2	8260FA	SW5030B	/ /	04/09/04	04/10/04	4D09036	1	
		4D09036BLK1	WQ	LB1	8260FA	SW5030B	/ /	04/09/04	04/10/04	4D09036	1	

EDFSAMP: Error Summary Log

04/20/04

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

EDFTEST: Error Summary Log

04/20/04

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

EDFRES: Error Summary Log

04/20/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4D09004MS1	MS1	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	4D09004MS1	MS1	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	4D09004MS1	MS1	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	4D09004MS1	MS1	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	4D09004MS1	MS1	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	4D09004MSD1	SD1	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	4D09004MSD1	SD1	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	4D09004MSD1	SD1	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	4D09004MSD1	SD1	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	4D09004MSD1	SD1	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	MND010901	CS	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	MND010901	CS	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	MND010901	CS	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	MND010901	CS	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	MND010901	CS	W	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	MND010901	CS	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	MND010902	CS	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	MND010902	CS	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	MND010902	CS	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	MND010902	CS	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	MND010902	CS	W	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	MND010902	CS	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	MND010903	CS	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	MND010903	CS	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	MND010903	CS	W	8260FA	PR	04/10/04	1	DCA12D4

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MND010903	CS	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	MND010903	CS	W	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	MND010903	CS	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	MND010904	CS	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	MND010904	CS	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	MND010904	CS	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	MND010904	CS	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	MND010904	CS	W	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	MND010904	CS	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	MND010905	CS	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	MND010905	CS	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	MND010905	CS	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	MND010905	CS	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	MND010905	CS	W	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	MND010905	CS	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	MND010906	CS	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	MND010906	CS	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	MND010906	CS	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	MND010906	CS	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	MND010906	CS	W	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	MND010906	CS	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	MND010908	CS	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	MND010908	CS	W	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	MND010908	CS	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	MND010908	CS	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	MND010908	CS	W	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	MND010908	CS	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	MND018501	NC	W	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	MND018501	NC	W	8260FA	PR	04/10/04	1	BZME

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MND018501	NC	W	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	MND018501	NC	W	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	MND018501	NC	W	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	4D09004BLK1	LB1	WQ	8260FA	PR	04/09/04	1	BZ
Warning: extra parameter	4D09004BLK1	LB1	WQ	8260FA	PR	04/09/04	1	BZME
Warning: extra parameter	4D09004BLK1	LB1	WQ	8260FA	PR	04/09/04	1	DCA12D4
Warning: extra parameter	4D09004BLK1	LB1	WQ	8260FA	PR	04/09/04	1	EBZ
Warning: extra parameter	4D09004BLK1	LB1	WQ	8260FA	PR	04/09/04	1	GROC4C12
Warning: extra parameter	4D09004BLK1	LB1	WQ	8260FA	PR	04/09/04	1	XYLENES
Warning: extra parameter	4D09004BS1	BS1	WQ	8260FA	PR	04/09/04	1	BZ
Warning: extra parameter	4D09004BS1	BS1	WQ	8260FA	PR	04/09/04	1	BZME
Warning: extra parameter	4D09004BS1	BS1	WQ	8260FA	PR	04/09/04	1	DCA12D4
Warning: extra parameter	4D09004BS1	BS1	WQ	8260FA	PR	04/09/04	1	EBZ
Warning: extra parameter	4D09004BS1	BS1	WQ	8260FA	PR	04/09/04	1	XYLENES
Warning: extra parameter	4D09004BS2	BS2	WQ	8260FA	PR	04/09/04	1	DCA12D4
Warning: extra parameter	4D09004BS2	BS2	WQ	8260FA	PR	04/09/04	1	GROC4C12
Warning: extra parameter	4D09004BSD1	BD1	WQ	8260FA	PR	04/09/04	1	BZ
Warning: extra parameter	4D09004BSD1	BD1	WQ	8260FA	PR	04/09/04	1	BZME
Warning: extra parameter	4D09004BSD1	BD1	WQ	8260FA	PR	04/09/04	1	DCA12D4
Warning: extra parameter	4D09004BSD1	BD1	WQ	8260FA	PR	04/09/04	1	EBZ
Warning: extra parameter	4D09004BSD1	BD1	WQ	8260FA	PR	04/09/04	1	XYLENES
Warning: extra parameter	4D09004BSD2	BD2	WQ	8260FA	PR	04/09/04	1	DCA12D4
Warning: extra parameter	4D09004BSD2	BD2	WQ	8260FA	PR	04/09/04	1	GROC4C12
Warning: extra parameter	4D09036BLK1	LB1	WQ	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	4D09036BLK1	LB1	WQ	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	4D09036BLK1	LB1	WQ	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	4D09036BLK1	LB1	WQ	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	4D09036BLK1	LB1	WQ	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	4D09036BLK1	LB1	WQ	8260FA	PR	04/10/04	1	XYLENES

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4D09036BS1	BS1	WQ	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	4D09036BS1	BS1	WQ	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	4D09036BS1	BS1	WQ	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	4D09036BS1	BS1	WQ	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	4D09036BS1	BS1	WQ	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	4D09036BS2	BS2	WQ	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	4D09036BS2	BS2	WQ	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	4D09036BS2	BS2	WQ	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	4D09036BS2	BS2	WQ	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	4D09036BS2	BS2	WQ	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	4D09036BS2	BS2	WQ	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	4D09036BSD1	BD1	WQ	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	4D09036BSD1	BD1	WQ	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	4D09036BSD1	BD1	WQ	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	4D09036BSD1	BD1	WQ	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	4D09036BSD1	BD1	WQ	8260FA	PR	04/10/04	1	XYLENES
Warning: extra parameter	4D09036BSD2	BD2	WQ	8260FA	PR	04/10/04	1	BZ
Warning: extra parameter	4D09036BSD2	BD2	WQ	8260FA	PR	04/10/04	1	BZME
Warning: extra parameter	4D09036BSD2	BD2	WQ	8260FA	PR	04/10/04	1	DCA12D4
Warning: extra parameter	4D09036BSD2	BD2	WQ	8260FA	PR	04/10/04	1	EBZ
Warning: extra parameter	4D09036BSD2	BD2	WQ	8260FA	PR	04/10/04	1	GROC4C12
Warning: extra parameter	4D09036BSD2	BD2	WQ	8260FA	PR	04/10/04	1	XYLENES

EDFQC: Error Summary Log

04/20/04

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

EDFCL: Error Summary Log

04/20/04

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