RO 2431

Atlantic Richfield Company
(a BP affiliated company)

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

Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: First Quarter 2004 Groundwater Monitoring Report
Former BP Service Station # 11120
6400 Dublin Road
Dublin, California
URS Project # 38486798

I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple
Environmental Business Manager

URS

March 31, 2004

Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: First Quarter 2004 Groundwater Monitoring Report
Former BP Service Station # 11120
6400 Dublin Road
Dublin, California
URS Project #38486798

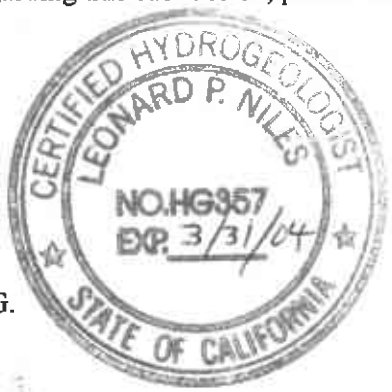
Dear Mr. Seery:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *First Quarter 2004 Groundwater Monitoring Report* for the Former BP Service Station #11120, located at 6400 Dublin Road, Dublin, California.

If you have any questions regarding this submission, please call me at (510) 874-1720.

Sincerely,

URS CORPORATION



Leonard P. Niles, R.G./C.H.G.
Project Manager

Enclosure: First Quarter 2004 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)
Ms. Liz Sewell, ConocoPhillips, 76 Broadway, Sacramento CA 95818

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

REPORT

FIRST QUARTER 2004 GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11120
6400 DUBLIN ROAD
DUBLIN, CALIFORNIA

Prepared for
Atlantic Richfield Company

March 31, 2004

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486798

Date: March 31, 2004

Quarter: 1Q 04

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.: 11120 Address: 6400 Dublin Road, Dublin, CA

ARCO Environmental Business Manager: Paul Supple

Consulting Co./Contact Person: URS Corporation / Leonard Niles

Consultant Project No.: 38486798

Primary Agency: Alameda County Health Care Services

WORK PERFORMED THIS QUARTER (First – 2004):

1. Performed first quarter 2004 groundwater monitoring event on March 10, 2004.
2. Prepared and submitted first quarter 2004 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Second – 2004):

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

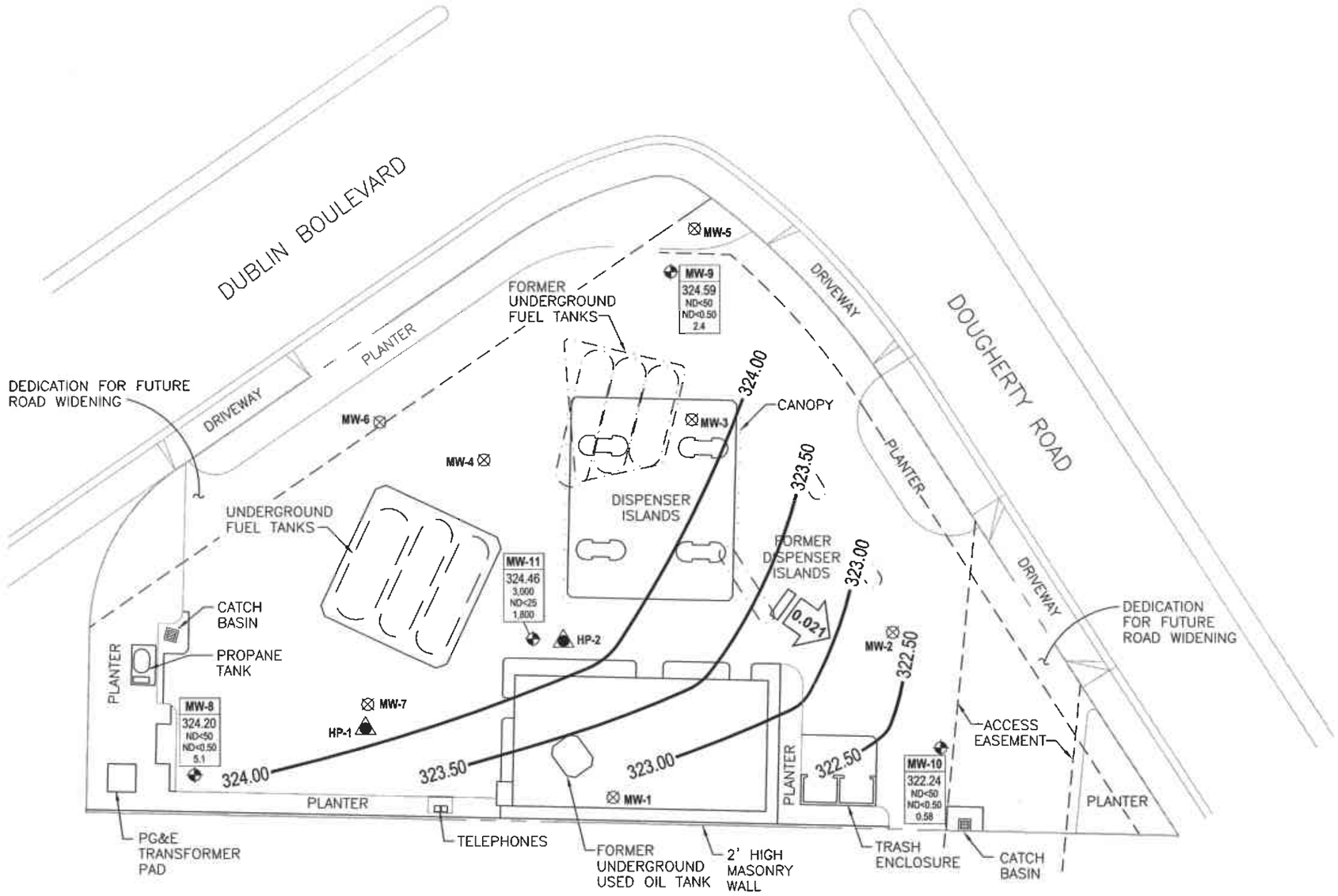
Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-8 through MW-11 quarterly
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None
Approximate Depth to Groundwater:	4.74 (MW-8) to 5.37 (MW-9) Feet
Groundwater Gradient (direction):	Southeast
Groundwater Gradient (magnitude):	0.021 feet per foot

DISCUSSION:

GRO was detected above the laboratory reporting limit in one of the four wells at a concentration of 3,000 µg/L (MW-11). MTBE was detected above the laboratory reporting limit in all four wells at concentrations ranging from 0.58 µg/L (MW-10) to 1,800 µg/L (MW-11). BTEX, and fuel oxygenates were not detected above the laboratory reporting limit in any of the four wells sampled this quarter. URS recommends reducing the sampling schedule for wells MW-8, MW-9, and MW-10 to annually, due to historically low MTBE concentrations and the lack of detected GRO and BTEX in the last seven sampling events.

ATTACHMENTS:

- Figure 1– Groundwater Elevation Contour and Analytical Summary Map – March 10, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Attachment A – Concentration and Water Level Trends (MW-11)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment D – EDCC Report and EDF/Geowell Submittal Confirmation
- Attachment E – Historical Groundwater Analytical Data for Former Wells Abandoned in 1999 (Source Alisto Engineering)



LEGEND

- ⊗ Destroyed groundwater monitoring well
- Grab groundwater sample location May 14, 1999
- Air sparge well
- Well ID / ELEV / GRO / Benzene / MTBE — Well Designation; Groundwater Elevation above MSL; Concentration of GRO, Benzene and MTBE in groundwater in micrograms per liter (µg/L)
- ND — Not detected
- NS — Not sampled
- 321.00 — Groundwater elevation contour
- 0.021 — Approximate groundwater flow direction and gradient (ft/ft)

"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."

N

0 15 30 60

Scale (ft)

URS	Project No. 38486798 Former BP Station #11120 6400 Dublin Boulevard Dublin, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP First Quarter 2004 (March 10, 2004)	FIGURE 1

Mar 31, 2004 - 11:51am
X:\x_env_waste\BP GEM\Sites\LNiles Sites\11120\Reports\Monitoring\Qtr. 1, 2004\Drawings\GWEC_AS_3-10.dwg

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11120
6400 Dublin Road, Dublin, CA

WELL ID	DATE OF SAMPLING/ MONITORING		TOC (Feet)	(a)	DTW (Feet)	GWE (Feet)	(b)	GRO/TPH-G (ug/l)	(e)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (8021) (ug/l)	MTBE (8260 B) (ug/l)	Fuel Oxygenates & Pb Scavengers (ug/l)		DO (ppm)	LAB
MW-8	2/25/02		328.94		6.02	322.92		ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.98	NA	NA		---	PACE
	9/30/02		328.94		6.16	322.78		ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.8	2.9	ND	(c)	---	SEQ
	12/13/02		328.94		5.81	323.13		ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.4	5.9	ND	(c)	---	SEQ
	3/12/03		328.94		5.80	323.14		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.8	4.3	See Table 2		---	SEQ
	6/28/03	(d)	328.94		5.70	323.24		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	4.1	See Table 2		---	SEQ
	9/30/03		328.94		5.90	323.04		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	4.1	See Table 2		---	SEQ
	12/5/03		328.94		5.89	323.05		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	6.7	See Table 2		---	SEQ
	3/10/04		**328.94**		**4.74**	**324.20**		**ND<50**		**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**NA**	**5.1**	**See Table 2**		**---**	**SEQ**
MW-9	2/25/02		329.96		5.90	324.06		ND<250		ND<2.50	ND<2.50	ND<2.50	ND<5.00	ND<2.50	NA	NA		---	PACE
	9/30/02		329.96		6.92	323.04		ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	1.4	ND	(c)	---	SEQ
	12/13/02		329.96		6.51	323.45		ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.53	ND	(c)	---	SEQ
	3/12/03		329.96		6.86	323.10		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.59	See Table 2		---	SEQ
	6/28/03	(d)	329.96		5.95	324.01		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	1.0	See Table 2		---	SEQ
	9/30/03		329.96		6.24	323.72		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	16	See Table 2		---	SEQ
	12/5/03		329.96		7.21	322.75		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	33	See Table 2		---	SEQ
	3/10/04		**329.96**		**5.37**	**324.59**		**ND<50**		**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**NA**	**2.4**	**See Table 2**		**---**	**SEQ**
MW-10	2/25/02		327.44		4.21	323.23		53		2.58	ND<0.5	2.83	8.46	ND<0.5	NA	NA		---	PACE
	9/30/02		327.44		4.71	322.73		ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	0.51	ND	(c)	---	SEQ
	12/13/02		327.44		6.36	321.08		ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	ND	(c)	---	SEQ
	3/12/03		327.44		7.96	319.48		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.76	See Table 2		---	SEQ
	6/28/03	(d)	327.44		7.70	319.74		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	0.68	See Table 2		---	SEQ
	9/30/03		327.44		7.57	319.87		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	0.71	See Table 2		---	SEQ
	12/5/03		327.44		6.64	320.80		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	0.78	See Table 2		---	SEQ
	3/10/04		**327.44**		**5.20**	**322.24**		**ND<50**		**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**NA**	**0.58**	**See Table 2**		**---**	**SEQ**
MW-11	2/25/02		329.75		6.02	323.73		1,800		1.34	ND<0.5	ND<0.5	ND <1.0	2,550	NA	NA		---	PACE
	9/30/02		329.75		7.12	322.63		ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,400	1,500	ND	(c)	---	SEQ
	12/13/02		329.75		6.60	323.15		1,300		ND<10	ND<10	ND<10	ND<10	2,000	1,400	ND	(c)	---	SEQ
	3/12/03		329.75		5.79	323.96		ND<500		ND<5.0	ND<5.0	ND<5.0	ND<5.0	2,900	650	See Table 2		---	SEQ
	6/28/03	(d)	329.75		5.68	324.07		ND<5,000		ND<50	ND<50	ND<50	ND<50	NA	2,500	See Table 2		---	SEQ
	9/30/03		329.75		6.68	323.07		5,100		ND<25	ND<25	ND<25	ND<25	NA	3,200	See Table 2		---	SEQ
	12/5/03		329.75		6.69	323.06		ND<5,000		ND<50	ND<50	ND<50	ND<50	NA	3,500	See Table 2		---	SEQ
	3/10/04		**329.75**		**5.29**	**324.46**		**3,000**		**ND<25**	**ND<25**	**ND<25**	**ND<25**	**NA**	**1,800**	**See Table 2**		**---**	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11120
6400 Dublin Road, Dublin, CA

ABBREVIATIONS:

GRO	Gasoline range organics, C4-C12
TPH-G	Total petroleum hydrocarbons as gasoline by EPA method 8015 B Modified
B	Benzene by EPA method 8021 B (prior to 6/28/03)
T	Toluene by EPA method 8021 B (prior to 6/28/03)
E	Ethylbenzene by EPA method 8021 B (prior to 6/28/03)
X	Total xylenes by EPA method 8021 B (prior to 6/28/03)
MTBE	Methyl tert butyl ether by EPA method 8021 B (prior to 6/28/03)
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
ND<	Not detected at or above laboartory reporting limit
---	Not applicable/analyzed/measured
PACE	Pace, Inc.
SEQ	Sequoia Analytical Laboratory
TOC	Top of Casing
DTW	Depth to Water
GWE	Groundwater Elevation

NOTES:

(a) Top of casing elevations surveyed relative to an elevation of 18.409 feet above mean sea level.

(b) Groundwater elevations in feet above mean sea level.

(c) Analyzed by EPA method 8260 B; fuel oxygenates include ethanol, tert-butyl achohol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methly ether (TAME); lead scavengers include: 1,2 dichloroethane (1,2-DCA) & ethylene dibromide (EDB)

(d) Beginning on the second quarter 2003 monitoring event (6/28/03),TPHg, BTEX, MTBE and fuel oxygenates analyzed by EPA Method 8260B.

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

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

Table 2
Fuel Oxygenate Analytical Data
Former BP Service Station #11120
6400 Dublin Blvd., Dublin CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-8	03/12/03	ND<100	ND<20	4.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-8	06/28/03	ND<100	ND<20	4.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-8	09/30/03	ND<100	ND<20	4.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-8	12/05/03	ND<100	ND<20	6.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-8	**03/10/04**	**ND<100 [a]**	**ND<20**	**5.1**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-9	03/12/03	ND<100	ND<20	0.59	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-9	06/28/03	ND<100	ND<20	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-9	09/30/03	ND<100	ND<20	16	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-9	12/05/03	ND<100	ND<20	33	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-9	**03/10/04**	**ND<100 [a]**	**ND<20**	**2.4**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-10	03/12/03	ND<100	ND<20	0.76	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10	06/28/03	ND<100	ND<20	0.68	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10	09/30/03	ND<100	ND<20	0.71	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10	12/05/03	ND<100	ND<20	0.78	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10	**03/10/04**	**ND<100 [a]**	**ND<20**	**0.58**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-11	03/12/03	ND<1,000	ND<200	650	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
MW-11	06/28/03	ND<10,000	ND<2,000	2,500	ND<50	ND<50	ND<50	ND<50	ND<50
MW-11	09/30/03	ND<5,000	ND<1,000	3,200	ND<25	ND<25	ND<25	ND<25	ND<25
MW-11	12/05/03	ND<10,000	ND<2,000	3,500	ND<50	ND<50	ND<50	ND<50	ND<50
MW-11	**03/10/04**	**ND<5,000 [a]**	**ND<1,000**	**1,800**	**ND<25**	**ND<25**	**ND<25**	**ND<25**	**ND<25**

NOTE:

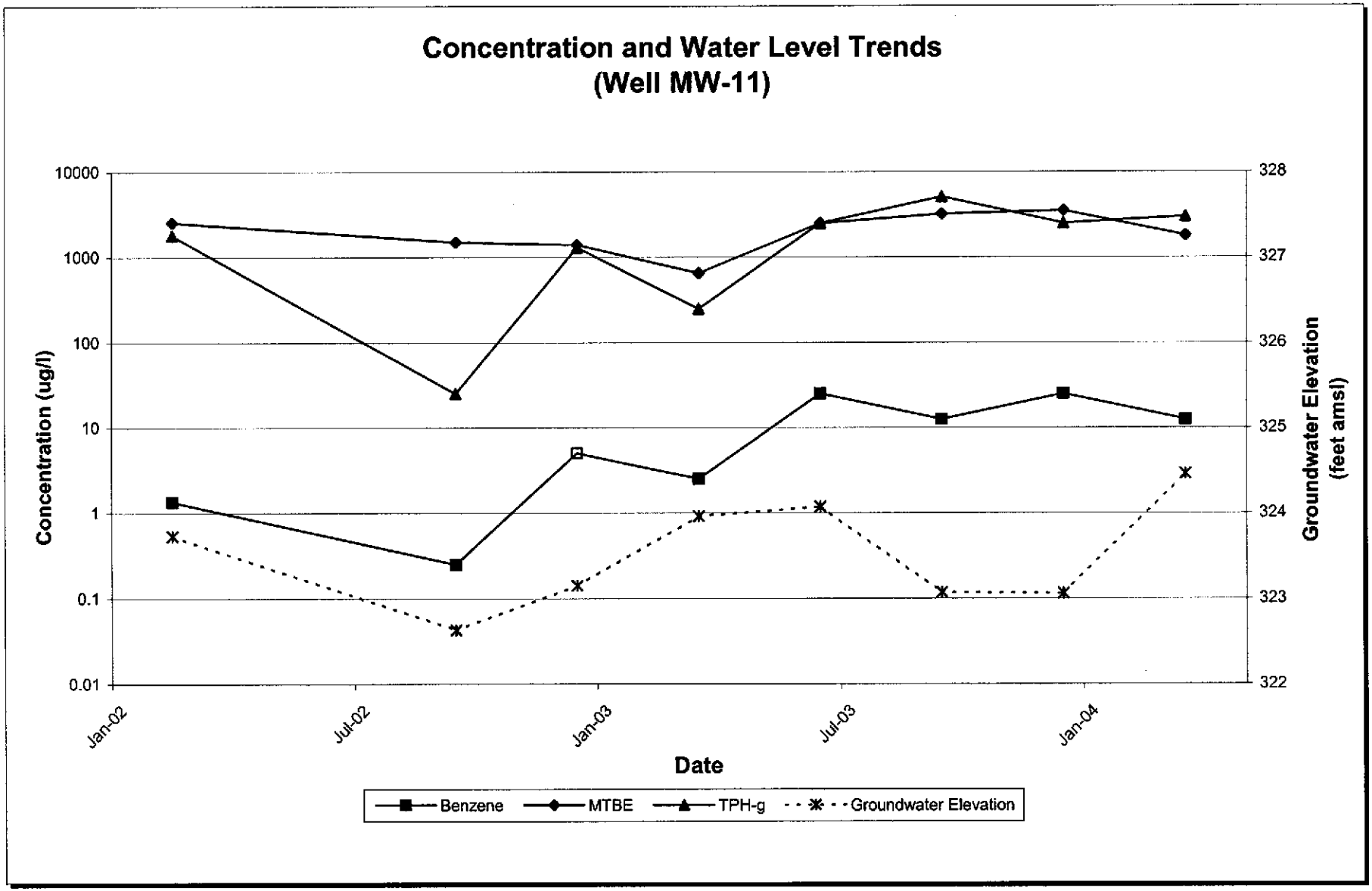
All volatile organic compounds (Ethanol, TBA, MTBE, DIPE, ETBE, TAME, EDC, and EDB) analyzed using EPA Method 8260B

ABBREVIATIONS:

TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = tert-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
µg/L = Micrograms per liter
ND< = Not detected at or above laboratory reporting limits.

(a) The continuing calibration verification was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.

ATTACHMENT A
CONCENTRATION AND WATER LEVEL TRENDS
(MW-11)



Former BP Service Station #11114
4997 Stevenson Boulevard
Fremont, CA

X:\X_EN_WASTE\BP GEM\SITES\LNILES SITES\11120\REPORTS\
MONITORING\QTR. 1, 2004\TABLES\11120 GWA 1Q04.XLS\3/19/2004

Chart 1

ATTACHMENT B

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 # 040310-BA1 Date 3/10/04 Client ~~Tosco~~ BP 11120

Site 6400 Dublin Blvd., Dublin

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-8	2	Pressure				4.74	19.62	TOC	
MW-9	2	Pressure				5.37	19.61	↑	
MW-10	2	Pressure				5.20	19.58		
MW-11	2					5.29	19.42	↓	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-BA1	Station # 11120
Sampler: Brian Aleem	Date: 3/10/04
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.62	Depth to Water: 4.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0900	67.7	6.7	3,625	2.4	cloudy gray
0903	66.8	6.7	3,252	4.8	" "
0905	66.9	6.7	3,219	7.2	" "

Did well dewater? Yes (No)	Gallons actually evacuated: 7.2		
Sampling Time: 0908	Sampling Date: 3/10/04		
Sample I.D.: MW-8	Laboratory: Pace (Sequoia) Other ____		
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxys, Ethanol, 1,2-DCA + EDB All by 8260		
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 #: 040310-BA1	Station # 11120
Sampler: Brian Alcorn	Date: 3/10/04
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.61	Depth to Water: 5.37
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	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.

2.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0932	66.8	7.2	1,194	2.3	cloudy gray
0934	65.5	7.1	1,115	4.6	" "
0936	65.8	7.1	1,106	6.9	" "

Did well dewater? Yes (No)		Gallons actually evacuated: 6.9	
Sampling Time: 0939		Sampling Date: 3/10/04	
Sample I.D.: MW-9		Laboratory: Pace (Sequoia) Other ____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxys, Ethanol, 1,2-DCA + EDB All by 8260		
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 #: 040310-BA1	Station # 11120
Sampler: Brian Aleem	Date: 3/10/04
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.58	Depth to Water: 5.20
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	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.

2.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0844	70.7	6.3	8,953	2.3	cloudy gray
0846	67.5	6.3	8,795	4.6	"
0848	66.3	6.4	8,080	6.9	"

Did well dewater? Yes (No)		Gallons actually evacuated: 6.9	
Sampling Time: 0851		Sampling Date: 3/10/04	
Sample I.D.: MW-10		Laboratory: Pace (Sequoia) Other ____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxys, Ethanol, 1,2-DCA + EDB All by 8260		
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 #: 040310-BA1	Station # 11120
Sampler: Brian Akem	Date: 3/10/04
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.42	Depth to Water: 5.29
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.

2.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0916	67.6	6.8	2,394	2.3	cloudy gray, mild odor
0918	67.1	6.8	2,292	4.6	" "
0920	67.7	6.8	2,295	6.9	" "

Did well dewater? Yes (No) Gallons actually evacuated: 6.9

Sampling Time: 0923 Sampling Date: 3/10/04

Sample I.D.: MW-11 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys, Ethanol, 1,2-DCA + EDB All by 8260

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

BP 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:

11120
Station #

6400 Dublin Blvd, Dublin
Station Address

Total Gallons Collected From Groundwater Monitoring Wells: ____________

added equip. rinse water ____________ any other adjustments ____________

TOTAL GALS. RECOVERED 29 loaded onto BTS vehicle # 58

BTS event # 040310-BA1 time 0945 date 3/10/04

signature [signature]

* *

REC'D AT ____________ time ______ date ___/___/___

unloaded by signature ____________

ATTACHMENT C

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 Atlantic Richfield 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

24 March, 2004

Leonard Niles
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11120, Dublin, CA
Work Order: MNC0331

Enclosed are the results of analyses for samples received by the laboratory on 03/11/04 15:28. 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: BP Heritage #11120, Dublin, CA	MNC0331
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/24/04 11:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MNC0331-01	Water	03/10/04 09:08	03/11/04 15:28
MW-9	MNC0331-02	Water	03/10/04 09:39	03/11/04 15:28
MW-10	MNC0331-03	Water	03/10/04 08:51	03/11/04 15:28
MW-11	MNC0331-04	Water	03/10/04 09:23	03/11/04 15:28

These samples were received with intact custody seals.

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MNC0331
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/24/04 11:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MNC0331-01) Water Sampled: 03/10/04 09:08 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C20001	03/20/04	03/21/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.1**	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 (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*		*78-129*	"	"	"	"	
MW-9 (MNC0331-02) Water Sampled: 03/10/04 09:39 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C20001	03/20/04	03/21/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.4**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*78-129*	"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MNC0331
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/24/04 11:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MNC0331-03) Water Sampled: 03/10/04 08:51 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C20001	03/20/04	03/21/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.58**	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 (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*78-129*	"	"	"	"	
MW-11 (MNC0331-04) Water Sampled: 03/10/04 09:23 Received: 03/11/04 15:28									
Ethanol	ND	5000	ug/l	50	4C20001	03/20/04	03/21/04	EPA 8260B	CC04
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	**1800**	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 (C6-C10)	**3000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*78-129*	"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MNC0331
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/24/04 11:41

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 4C20001 - EPA 5030B P/T										
Blank (4C20001-BLK1)				Prepared & Analyzed: 03/20/04						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.33*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample (4C20001-BS1)				Prepared & Analyzed: 03/20/04						
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137			
Benzene	9.33	0.50	"	10.0		93.3	69-124			
Toluene	9.88	0.50	"	10.0		98.8	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.19*		"	*5.00*		*104*	*78-129*			
Laboratory Control Sample (4C20001-BS2)				Prepared & Analyzed: 03/20/04						
Methyl tert-butyl ether	9.18	0.50	ug/l	10.1		90.9	63-137			
Benzene	5.25	0.50	"	6.48		81.0	69-124			
Toluene	35.0	0.50	"	29.7		118	78-129			
Gasoline Range Organics (C6-C10)	364	50	"	440		82.7	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.27*		"	*5.00*		*105*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MNC0331
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/24/04 11:41

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 4C20001 - EPA 5030B P/T										
Laboratory Control Sample Dup (4C20001-BSD1)				Prepared: 03/20/04 Analyzed: 03/21/04						
Methyl tert-butyl ether	10.2	0.50	ug/l	10.0		102	63-137	1.94	20	
Benzene	8.80	0.50	"	10.0		88.0	69-124	5.85	20	
Toluene	9.25	0.50	"	10.0		92.5	78-129	6.59	20	
Surrogate: 1,2-Dichloroethane-d4	*5.36*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample Dup (4C20001-BSD2)				Prepared: 03/20/04 Analyzed: 03/21/04						
Methyl tert-butyl ether	9.02	0.50	ug/l	10.1		89.3	63-137	1.76	20	
Benzene	5.01	0.50	"	6.48		77.3	69-124	4.68	20	
Toluene	33.7	0.50	"	29.7		113	78-129	3.78	20	
Gasoline Range Organics (C6-C10)	326	50	"	440		74.1	70-124	11.0	20	
Surrogate: 1,2-Dichloroethane-d4	*5.39*		"	*5.00*		*108*	*78-129*			
Matrix Spike (4C20001-MS1)	**Source: MNC0560-03**			Prepared & Analyzed: 03/20/04						
Methyl tert-butyl ether	2060	25	ug/l	500	1600	92.0	63-137			QM04
Benzene	453	25	"	500	ND	90.6	69-124			
Toluene	480	25	"	500	ND	96.0	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.30*		"	*5.00*		*106*	*78-129*			
Matrix Spike Dup (4C20001-MSD1)	**Source: MNC0560-03**			Prepared & Analyzed: 03/20/04						
Methyl tert-butyl ether	2070	25	ug/l	500	1600	94.0	63-137	0.484	20	QM04
Benzene	456	25	"	500	ND	91.2	69-124	0.660	20	
Toluene	490	25	"	500	ND	98.0	78-129	2.06	20	
Surrogate: 1,2-Dichloroethane-d4	*5.15*		"	*5.00*		*103*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MNC0331
1333 Broadway, Suite 800	Project Number: N/P	**Reported:**
Oakland CA, 94612	Project Manager: Leonard Niles	03/24/04 11:41

Notes and Definitions

CC04	The continuing calibration verification was outside of client contractual acceptance limits by 3% high. However, it was within method acceptance limits. The data should still be useful for its intended purpose.
QM04	The spike recovery was above 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.
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

MNC0331

Project Name 11120 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company

Date: 3/10/04
Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time:	0800 Temp: 70
Off- site Time:	0945 Temp:
Sky Conditions:	clear
Meteorological Events:	
Wind Speed:	0-5 Direction: E

Send To:	BP/GEM Facility No.: 11120	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 6400 Dublin Ave., Dublin, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. 11120	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna.cosper@URSCorp.com
	California Global ID #: T0600101432	Consultant/Contractor Project No.:
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: Leonard Niles
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015/8021 or 8260)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-8	0908		X			01	3				X	X				X	X	X	
2	MW-9	0939		↓			02	1				↓	↓				↓	↓	↓	
3	MW-10	0851		↓			03	↓				↓	↓				↓	↓	↓	
4	MW-11	0923		↓			04	↓				↓	↓				↓	↓	↓	
5	TB-11120-03102004	0800		↓			05	2				↓	↓							ON HOLD
6																				
7																				
8																				
9																				
10																				

Sampler's Name: Brian Adcam	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Blaine Tech Services		3/11/04	9:20		3/11/04 9:20
Shipment Date:		3/11/04	15:27		3-11-04 1528
Shipment Method:					
Shipment Tracking No:					

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

Ice Chest Yes X No Temperature Blank Yes X No Cooler Temperature on Receipt 3.2 °F/C Trip Blank Yes X No

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: IRS
REC. BY (PRINT): A
WORKORDER: MNC0331

DATE REC'D AT LAB: 3-11-01
TIME REC'D AT LAB: 1525
DATE LOGGED IN: 3-12-01

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	01		MW-8	3-VOAs	HCl	L	3-10-01	bTEX 8020/602
On Bag (Intact) / Broken*	02		MW-9	↓	↓	↓	↓	
2. Chain-of-Custody (Present) / Absent*	03		MW-10					
3. Traffic Reports or Packing List: Present / (Absent)	04		MW-11	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / (Absent)	05		TB-111201-031001	2-VOAs	↓	↓	↓	
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*				NA				
10. Sample received within hold time: (Yes) / No*			3-11-01					
11. Adequate sample volume received? (Yes) / No*								
12. Proper Preservatives used: (Yes) / No*								
13. Temp Rec. at Lab: 3.2°C Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)

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

**Problem COC

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

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

03/24/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage #11120, Dubli
Work Order Number:	MNC0331
Global ID:	T0600101432
Lab Report Number:	MNC0331032420041141

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MNC0331032420041141	MW-10	MNC033103	W	CS	8260TPH	SW5030B	03/10/04	03/20/04	03/21/04	4C20001	1
MNC0331032420041141	MW-11	MNC033104	W	CS	8260TPH	SW5030B	03/10/04	03/20/04	03/21/04	4C20001	1
MNC0331032420041141	MW-8	MNC033101	W	CS	8260TPH	SW5030B	03/10/04	03/20/04	03/21/04	4C20001	1
MNC0331032420041141	MW-9	MNC033102	W	CS	8260TPH	SW5030B	03/10/04	03/20/04	03/21/04	4C20001	1
		MNC056003	W	NC	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001BSD1	WQ	BD1	8260TPH	SW5030B	/ /	03/20/04	03/21/04	4C20001	1
		4C20001BSD2	WQ	BD2	8260TPH	SW5030B	/ /	03/20/04	03/21/04	4C20001	1
		4C20001BS1	WQ	BS1	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001BS2	WQ	BS2	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001BLK1	WQ	LB1	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001MS1	W	MS1	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001MSD1	W	SD1	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1

EDFSAMP: Error Summary Log

03/24/04

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

EDFTEST: Error Summary Log

03/24/04

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

EDFRES: Error Summary Log

03/24/04

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

EDFQC: Error Summary Log

03/24/04

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

EDFCL: Error Summary Log

03/24/04

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

AB2886 Electronic Delivery

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

Your EDF file has been succcessfully uploaded!

Confirmation Number: 2140033245
Date/Time of Submittal: 3/24/2004 12:22:12 PM
Facility Global ID: T0600101432
Facility Name: BP
Submittal Title: 1st Quarter 2004 GW monitoring data
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

AB2886 Electronic Delivery

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**1st Quarter 2004 Geowell Data for Site #11120**
Submittal Date/Time:	**3/19/2004 11:30:45 AM**
Confirmation Number:	**8987930119**

Back to Main Menu

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CONTACT SITE ADMINISTRATOR.

ATTACHMENT E

HISTORICAL GROUNDWATER ANALYTICAL DATA FOR FORMER WELLS ABANDONDED IN 1999 (SOURCE ALISTO ENGINEERING)

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1 (c)	10/27/92	328.96	8.19	320.77	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-1	04/09/93	328.96	4.79	324.17	ND<50	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-1	08/25/93	328.96	6.85	322.11	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-1	11/22/93	328.96	7.38	321.58	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-1	03/07/94	328.96	5.89	323.07	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	4.3	PACE
MW-1	06/09/94	328.96	6.42	322.54	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	8.8	PACE
MW-1	09/12/94	328.96	7.33	321.63	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	7.6	PACE
MW-1	12/20/94	328.96	6.34	322.62	—	—	—	—	—	—	—	—	—
MW-1	03/16/95	328.96	4.37	324.59	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	5.6	ATI
MW-1	06/28/95	328.96	5.35	323.61	—	—	—	—	—	—	—	—	—
MW-1	09/06/95	328.96	6.44	322.52	ND<50	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.4	ATI
MW-1	12/22/95	328.96	6.04	322.92	—	—	—	—	—	—	—	—	—
MW-1	06/20/96	328.96	5.65	323.31	—	—	—	—	—	—	—	—	—
MW-1	08/21/96	328.96	—	—	ND<50	160	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.8	SPL
MW-1	10/31/96	328.96	5.99	322.97	—	—	—	—	—	—	—	—	—
MW-1 (d)	12/02/96	328.96	—	—	—	—	—	—	—	—	—	—	—
MW-1 (d)	06/26/98	328.96	—	—	—	—	—	—	—	—	—	—	—
MW-2	10/27/92	328.50	7.64	320.86	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-2	04/09/93	328.50	4.12	324.38	ND<50	80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-2	08/25/93	328.50	6.31	322.19	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-2	11/22/93	328.50	7.12	321.38	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-2	03/07/94	328.50	5.60	322.90	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	4.3	PACE
MW-2	06/09/94	328.50	5.91	322.59	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	8.2	PACE
MW-2	09/12/94	328.50	6.87	321.63	ND<50	160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	7.5	PACE
MW-2	12/20/94	328.50	5.86	322.64	—	—	—	—	—	—	—	—	—
MW-2	03/16/95	328.50	3.77	324.73	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	6.6	ATI
MW-2	03/16/95	328.50	3.77	324.73	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	6.6	ATI
MW-2	06/28/95	328.50	4.33	324.17	—	—	—	—	—	—	—	—	—
MW-2	09/06/95	328.50	5.85	322.65	ND<50	210	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.0	ATI
MW-2	12/22/95	328.50	5.50	323.00	—	—	—	—	—	—	—	—	—
MW-2	06/20/96	328.50	5.07	323.43	—	—	—	—	—	—	—	—	—
MW-2	08/21/96	328.50	—	—	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.0	SPL
MW-2	10/31/96	328.50	5.44	323.06	—	—	—	—	—	—	—	—	—
MW-2	12/02/96	328.50	5.50	323.00	—	—	—	—	—	—	—	—	—
MW-2	03/27/97	328.50	4.61	323.89	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.8	SPL
MW-2	06/03/97	328.50	7.14	321.36	—	—	—	—	—	—	—	—	—
MW-2	09/16/97	328.50	6.10	322.40	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.2	SPL
MW-2	12/03/97	328.50	6.22	322.28	—	—	—	—	—	—	—	—	—
MW-2	06/26/98	328.50	4.86	323.64	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.6	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

AUSTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-3	10/27/92	329.36	8.43	320.93	210	ND<50	3	0.7	0.9	30	—	—	PACE
MW-3	04/09/93	329.36	4.90	324.46	400	260	6.1	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-3	08/25/93	329.36	7.13	322.23	2000	440	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3300 (e)	—	PACE
MW-3	11/22/93	329.36	7.60	321.76	1800	360	ND<2.5	ND<2.5	ND<2.5	ND<2.5	910 (e)	—	PACE
MW-3	03/07/94	329.36	6.08	323.28	1300	5000	22	4.0	2.2	3.8	7200 (e)	3.7	PACE
MW-3	06/09/94	329.36	6.51	322.85	8500	2600	25	8.3	0.5	15	13000 (e)	7.2	PACE
OC-1 (f)	06/09/94	—	—	—	8800	—	23	6.3	0.5	10	13000 (e)	—	PACE
MW-3	09/12/94	329.36	7.63	321.73	2100	3200	ND<5.0	ND<5.0	0.8	20	3800 (e)	7.3	PACE
OC-1 (f)	09/12/94	—	—	—	1800	—	ND<5.0	ND<5.0	0.8	10	3900 (e)	—	PACE
MW-3	12/20/94	329.36	6.41	322.95	18000	9500	79	28	89	9.3	—	7.3	PACE
OC-1 (f)	12/20/94	—	—	—	17000	—	79	33	80	ND<2.5	—	—	PACE
MW-3	03/16/95	329.36	4.39	324.97	6300	7000	470	ND<5.0	210	9.9	—	5.5	ATI
OC-1 (f)	03/16/95	—	—	—	6300	—	500	ND<5.0	230	13	—	—	ATI
MW-3	06/26/95	329.36	5.50	323.86	9000	3000 (g)	ND<10	ND<10	ND<10	ND<20	—	7.4	ATI
OC-1 (f)	06/26/95	—	—	—	8800	— (g)	ND<10	ND<10	ND<10	ND<20	—	—	ATI
MW-3	09/06/95	329.36	8.66	322.70	10000	2800	ND<50	ND<50	ND<50	ND<100	37000	7.1	ATI
OC-1 (f)	09/06/95	—	—	—	9700	—	ND<50	ND<50	ND<50	ND<100	36000	—	ATI
MW-3	12/22/95	329.36	6.31	323.05	9200	2500	ND<50	ND<50	ND<50	ND<100	29000	6.7	ATI
MW-3	08/20/96	329.36	5.87	323.49	—	—	—	—	—	—	—	—	—
MW-3	08/21/96	329.36	—	—	3700	1900	ND<25	ND<50	ND<50	ND<50	4100	6.8	SPL
OC-1 (f)	08/21/96	—	—	—	3500	—	ND<25	ND<50	ND<50	ND<50	4000	—	SPL
MW-3	10/31/96	329.36	6.20	323.16	ND<250	ND<500	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	6.8	SPL
OC-1 (f)	10/31/96	—	—	—	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	—	—
MW-3	12/02/96	329.36	6.27	323.09	ND<250	50	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	5.4	SPL
OC-1 (f)	12/02/96	—	—	—	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	—	—
MW-3	03/27/97	329.36	5.39	323.97	470	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	490	6.2	SPL
MW-3	06/03/97	329.36	7.92	321.44	ND<250	100	ND<2.5	ND<5.0	ND<5.0	ND<5.0	84	5.9	SPL
OC-1 (f)	06/03/97	—	—	—	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	74.0	—	—
MW-3	09/16/97	329.36	6.67	322.69	ND<50	330	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	5.5	SPL
MW-3	12/03/97	329.36	6.81	322.55	ND<50	ND<200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.0	SPL
OC-1 (f)	12/03/97	—	—	—	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	—	SPL
MW-3	06/26/98	329.36	5.08	324.28	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	4.8	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-4	10/27/92	329.45	8.61	320.84	2300	190	23	54	50	320	—	—	PACE
MW-4	04/09/93	329.45	5.25	324.20	1600	500	78	3.5	68	1.0	—	—	PACE
MW-4	08/25/88	329.45	7.32	322.13	1800	380	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2100 (e)	—	PACE
QC-1 (f)	08/25/93	—	—	—	1600	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2100 (e)	—	PACE
MW-4	11/22/93	329.45	7.83	321.62	610	260	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-1 (f)	11/22/93	—	—	—	1700	—	ND<2.5	ND<2.5	ND<2.5	ND<2.5	3500 (e)	—	PACE
MW-4	03/07/94	329.45	6.29	323.16	710	1400	0.5	0.8	ND<0.5	ND<0.5	5900 (e)	3.8	PACE
QC-1 (f)	03/07/94	—	—	—	1600	—	ND<0.5	ND<0.5	1.4	0.6	4200 (e)	—	PACE
MW-4	06/09/94	329.45	6.76	322.69	6400	1800	ND<10	ND<10	ND<10	ND<10	10000 (e)	7.5	PACE
MW-4	09/12/94	329.45	7.83	321.62	2000	2700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4200 (e)	7.2	PACE
MW-4	12/20/94	329.45	6.68	322.77	9200	2400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	—	6.1	PACE
MW-4	03/16/95	329.45	4.66	324.79	1400	960	140	ND<2.5	58	14	—	5.5	ATI
MW-4	06/28/95	329.45	5.93	323.52	5000	5400 (g)	240	ND<5.0	220	ND<10	—	7.4	ATI
MW-4	09/06/95	329.45	6.83	322.62	4400	4500	ND<13	ND<13	ND<13	ND<25	12000	7.6	ATI
MW-4	12/22/95	329.45	6.42	323.03	3800	4700	15	ND<13	ND<13	ND<25	9200	7.1	ATI
QC-1 (f)	12/22/95	—	—	—	3900	—	16	ND<13	ND<13	ND<25	8600	—	ATI
MW-4	06/20/96	329.45	6.01	323.44	—	—	—	—	—	—	—	—	—
MW-4	08/21/96	329.45	—	—	ND<250	470	ND<12	ND<25	ND<25	ND<25	ND<250	7.7	SPL
MW-4	10/31/96	329.45	6.37	323.08	ND<250	1600	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	7.1	SPL
MW-4	12/02/96	329.45	6.71	322.74	ND<50	13000	ND<5	ND<10	ND<10	ND<10	2200	7.3	SPL
MW-4	03/27/97	329.45	5.70	323.75	8300	1500	44	ND<25	ND<25	ND<25	8000	6.2	SPL
QC-1 (f)	03/27/97	—	—	—	6900	—	51	ND<25	ND<25	ND<25	8500	—	SPL
MW-4	06/03/97	329.45	8.37	321.08	2800	270	62	ND<1.0	ND<1.0	ND<1.0	7000	7.1	SPL
MW-4	09/16/97	329.45	6.91	322.54	110	1800	0.80	ND<1.0	ND<1.0	ND<1.0	7700	6.2	SPL
QC-1 (f)	09/16/97	—	—	—	130	—	1.2	ND<1.0	ND<1.0	1.1	7100	—	SPL
MW-4	12/03/97	329.45	7.16	322.29	ND<50	ND<200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.0	SPL
MW-4	06/26/98	329.45	5.15	324.30	520	—	0.52	ND<1.0	ND<1.0	ND<1.0	1100	5.3	SPL
MW-5	04/09/93	329.60	5.18	324.42	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-5	08/25/93	329.60	7.28	322.32	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-5	11/22/93	329.60	7.82	321.78	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-5	03/07/94	329.60	6.27	323.33	ND<50	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	5.7	PACE
MW-5	06/09/94	329.60	6.73	322.87	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	7.7	PACE
MW-5	09/12/94	329.60	7.78	321.82	ND<50	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	7.2	PACE
MW-5	12/20/94	329.60	6.63	322.97	—	—	—	—	—	—	—	—	—
MW-5	03/16/95	329.60	4.65	324.95	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	4.9	ATI
MW-5	06/28/95	329.60	5.69	323.91	—	—	—	—	—	—	—	—	—
MW-5	09/06/95	329.60	6.82	322.78	ND<50	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.3	ATI
MW-5	12/22/95	329.60	6.40	323.20	—	—	—	—	—	—	—	—	—
MW-5	06/20/96	329.60	5.98	323.62	—	—	—	—	—	—	—	—	—
MW-5	08/21/96	329.60	—	—	ND<50	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	6.9	SPL
MW-5	10/31/96	329.60	6.29	323.31	—	—	—	—	—	—	—	—	—
MW-5	12/02/96	329.60	6.37	323.23	—	—	—	—	—	—	—	—	—
MW-5	03/27/97	329.60	5.33	324.27	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.8	SPL
MW-5	06/03/97	329.60	8.00	321.60	—	—	—	—	—	—	—	—	—
MW-5	09/16/97	329.60	6.89	322.71	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	27	5.4	SPL
MW-5	12/03/97	329.60	6.99	322.61	—	—	—	—	—	—	—	—	—
MW-5	06/26/98	329.60	5.11	324.49	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.7	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-6	04/09/93	329.55	5.37	324.18	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	08/25/93	329.55	7.42	322.13	ND<50	170	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	11/22/93	329.55	7.93	321.62	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-6	03/07/94	329.55	6.25	323.30	ND<50	90	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	4.2	PACE
MW-6	06/09/94	329.55	6.85	322.70	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	7.0	PACE
MW-6	09/12/94	329.55	7.91	321.64	ND<50	240	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	6.7	PACE
MW-6	12/20/94	329.55	6.82	322.73	—	—	—	—	—	—	—	—	—
MW-6	03/16/95	329.55	4.78	324.77	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	6.1	ATI
MW-6	06/28/95	329.55	5.97	323.58	—	—	—	—	—	—	—	—	—
MW-6	09/06/95	329.55	6.94	322.61	ND<50	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.2	ATI
MW-6	12/22/95	329.55	6.53	323.02	—	—	—	—	—	—	—	—	—
MW-6	08/20/96	329.55	6.18	323.37	—	—	—	—	—	—	—	—	—
MW-6	08/21/96	329.55	—	—	ND<50	120	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	—	SPL
MW-6	10/31/96	329.55	6.52	323.03	—	—	—	—	—	—	—	—	—
MW-6	12/02/96	329.55	6.55	323.00	—	—	—	—	—	—	—	—	—
MW-6	03/27/97	329.55	5.50	324.05	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.3	SPL
MW-6	06/03/97	329.55	8.19	321.36	—	—	—	—	—	—	—	—	—
MW-6	09/16/97	329.55	6.95	322.60	ND<250	680	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	5.5	SPL
MW-6	12/03/97	329.55	7.22	322.33	—	—	—	—	—	—	—	—	—
MW-6	06/26/98	329.55	5.20	324.35	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.6	SPL
MW-7	04/09/93	329.49	5.36	324.13	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-7	08/25/93	329.49	7.44	322.05	ND<50	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-7	11/22/93	329.49	7.92	321.57	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-7	03/07/94	329.49	6.20	323.29	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	3.7	PACE
MW-7	06/09/94	329.49	6.89	322.60	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	6.8	PACE
MW-7	09/12/94	329.49	7.87	321.62	ND<50	50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	6.8	PACE
MW-7	12/20/94	329.49	6.77	322.72	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	6.5	PACE
MW-7	03/16/95	329.49	4.77	324.72	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	5.9	ATI
MW-7	06/28/95	329.49	5.94	323.55	ND<50	320	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	7.8	ATI
MW-7	09/06/95	329.49	6.98	322.51	ND<50	240	ND<0.50	ND<0.50	ND<0.50	ND<1.0	8.5	7.5	ATI
MW-7	12/22/95	329.49	6.65	322.84	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	7.2	6.9	ATI
MW-7	08/20/96	329.49	6.22	323.27	—	—	—	—	—	—	—	—	—
MW-7	08/21/96	329.49	—	—	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	—	SPL
MW-7	10/31/96	329.49	6.56	322.93	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	86	6.8	SPL
MW-7	12/02/96	329.49	6.13	323.36	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	59	7.3	SPL
MW-7	03/27/97	329.49	5.08	324.41	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.6	SPL
MW-7	06/03/97	329.49	7.80	321.69	650	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	630	6.8	SPL
MW-7	09/16/97	329.49	6.50	322.99	120	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2200	6.0	SPL
MW-7	12/03/97	329.49	6.66	322.83	ND<50	ND<200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.0	SPL
MW-7 (h)	06/26/98	329.49	4.96	324.53	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.1	SPL

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
QC-2 (i)	08/25/93	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (i)	11/22/93	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (i)	03/07/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (i)	06/09/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (i)	09/12/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (i)	12/20/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (i)	03/16/95	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
QC-2 (i)	06/28/95	—	—	—	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	ATI
QC-2 (i)	09/06/95	—	—	—	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	ATI
QC-2 (i)	12/22/95	—	—	—	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	—	ATI
							ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	—	ATI

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
—	Not analyzed/applicable/measured
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

(a) Top of casing elevations surveyed to an arbitrary datum.

(b) Groundwater elevations relative to an arbitrary datum.

(c) Analysis did not detect total oil and grease and halogenated volatile organic compounds above reported detection limits.

(d) Well inaccessible.

(e) A copy of the documentation for this data is included in Appendix C of Alisto report 10-170-05-001.

(f) Blind duplicate.

(g) MTBE peak. Refer to documentation for this data in Appendix C of Alisto report 10-170-05-001.

(h) Analysis did not detect volatile organic compounds above reported detection limits.

(i) Travel blank.

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TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING FOR EPA METHOD 8260 ANALYSIS
BP OIL COMPANY SERVICE STATION NO. 11120
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TBA (ug/l)	TAME (ug/l)	LAB
MW-4	06/26/98	ND<5	ND<5	ND<5	ND<5	ND<10	ND<10	ND<10	ND<500	ND<10	SPL
MW-7	06/26/98	ND<5	ND<5	ND<5	ND<5	ND<10	ND<10	ND<10	ND<500	ND<10	SPL

ABBREVIATIONS:

B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
DIPE	Di-isopropyl ether
ETBE	Ethyl t-butyl ether
TBA	t-butyl ether
TAME	tert-amyl methyl ether
ug/l	Micrograms per liter
ND	Not detected above reported detection limit
SPL	Southern Petroleum Laboratories

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