URS

January 9, 2004 RWS, ACEH 1/14/04

Alameda County
JAN 15 2004
Environmental Health

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

Re: Fourth Quarter 2003 Groundwater Monitoring Report
Former BP Service Station # 11120
6400 Dublin Road
Dublin, California
URS Project #38486397

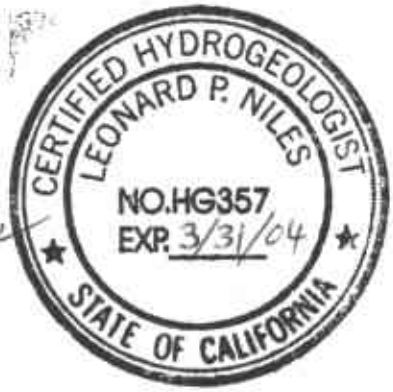
Dear Mr. Seery:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *Fourth Quarter 2003 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

Leonard P. Niles, R.G./C.H.G.
Senior Geologist

Enclosure: Fourth Quarter 2003 Groundwater Monitoring Report

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

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

January 9, 2004

RE: Fourth Quarter 2003 Groundwater Monitoring Report
Former BP Service Station #11120
6400 Dublin, CA
URS Project #38486397

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

FOURTH QUARTER 2003 GROUNDWATER MONITORING

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

Prepared for
Atlantic Richfield Company

January 9, 2003

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

38486397

Date: January 9, 2003

Quarter: 4Q 03

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.: 38486397

Primary Agency: Alameda County Health Care Services

WORK PERFORMED THIS QUARTER (Fourth – 2003):

1. Performed fourth quarter groundwater monitoring event on December 5, 2003.
2. Prepared and submitted third quarter 2003 groundwater monitoring report.
3. Prepared and submitted fourth quarter 2003 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (First – 2004):

1. Perform first quarter 2004 groundwater monitoring event.
2. Prepare and submit first 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: 5.89 (MW-8) to 7.21 (MW-9) Feet

Groundwater Gradient (direction): South-Southeast

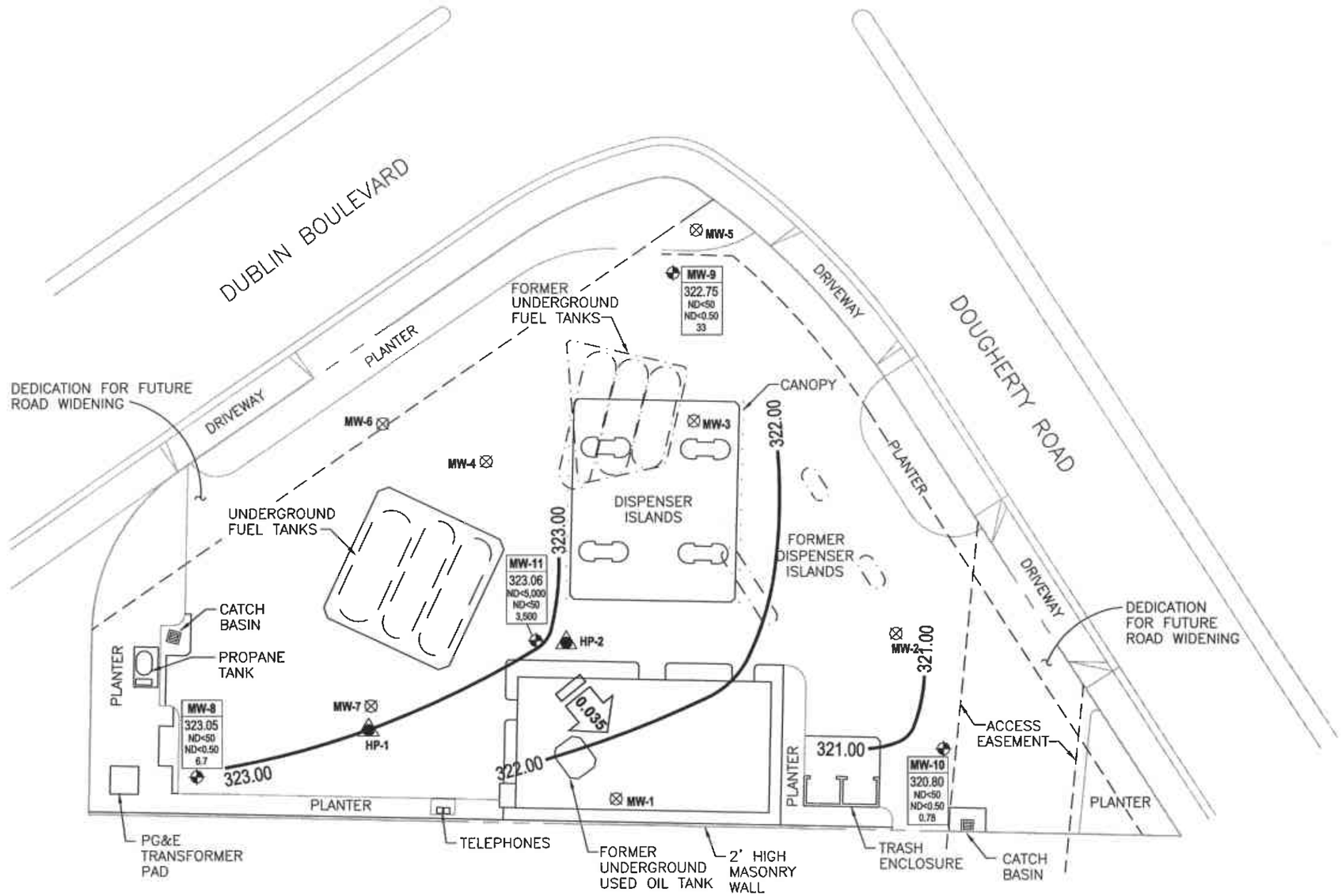
Groundwater Gradient (magnitude): 0.035 feet per foot

DISCUSSION:

This quarter samples were analyzed by EPA Method 8260B for TPH-g, BTEX, MTBE and fuel oxygenates. TPH-g and benzene were not detected above the laboratory reporting limit in any of the four wells sampled this quarter. MTBE was detected above the laboratory reporting limit in all four wells at concentrations ranging from 0.78 µg/L (MW-10) to 3,500 µg/L (MW-11). No fuel oxygenates were detected above the laboratory reporting limit, except for MTBE as described above.

ATTACHMENTS:

- Figure 1– Groundwater Elevation Contour and Analytical Summary Map – December 5, 2003
- 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)



MW-9
322.75
ND<50
ND<0.50
33

MW-11
323.06
ND<5,000
ND<50
3,500

MW-8
323.05
ND<50
ND<0.50
6.7

MW-10
320.80
ND<50
ND<0.50
0.78

LEGEND

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

URS	Project No. 38486397 Former BP Station #11120 6400 Dublin Boulevard Dublin, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2003 (December 5, 2003)	FIGURE 1

X:\x_env_waste\BP GEM\Sites\Niles Sites\11120\Reports\Monitoring\Qtr. 4, 2003\GWEC_AS_12-5.dwg, 01/05/2004 10:48:45 AM, JKMT, URS

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)	TPH-G (ug/l)	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	2/25/2002		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
	9/30/2002		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
	12/13/2002		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
	3/12/2003		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
	6/28/2003	(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
	9/30/2003		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
	12/5/2003		**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**
MW-9	2/25/2002		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
	9/30/2002		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
	12/13/2002		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
	3/12/2003		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
	6/28/2003	(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
	9/30/2003		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
	12/5/2003		**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**
MW-10	2/25/2002		327.44	4.21	323.23	53	2.58	ND<0.5	2.83	8.46	ND<0.5	NA	NA		---	PACE
	9/30/2002		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
	12/13/2002		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
	3/12/2003		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
	6/28/2003	(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
	9/30/2003		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
	12/5/2003		**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**
MW-11	2/25/2002		329.75	6.02	323.73	1,800	1.34	ND<0.5	ND<0.5	ND <1.0	2,550	NA	NA		---	PACE
	9/30/2002		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
	12/13/2002		329.75	6.60	323.15	1,300	ND<10	ND<10	ND<10	ND<10	2,000	1,400	ND	(c)	---	SEQ
	3/12/2003		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
	6/28/2003	(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
	9/30/2003		329.75	6.68	323.07	5,100	ND<25	ND<25	ND<25	ND<25	NA	3,200	See Table 2		---	SEQ
	12/5/2003		**329.75**	**6.69**	**323.06**	**ND<5,000**	**ND<50**	**ND<50**	**ND<50**	**ND<50**	**NA**	**3,500**	**See Table 2**		**---**	**SEQ**

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

ABBREVIATIONS:

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 reported detection 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.

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-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-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-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**

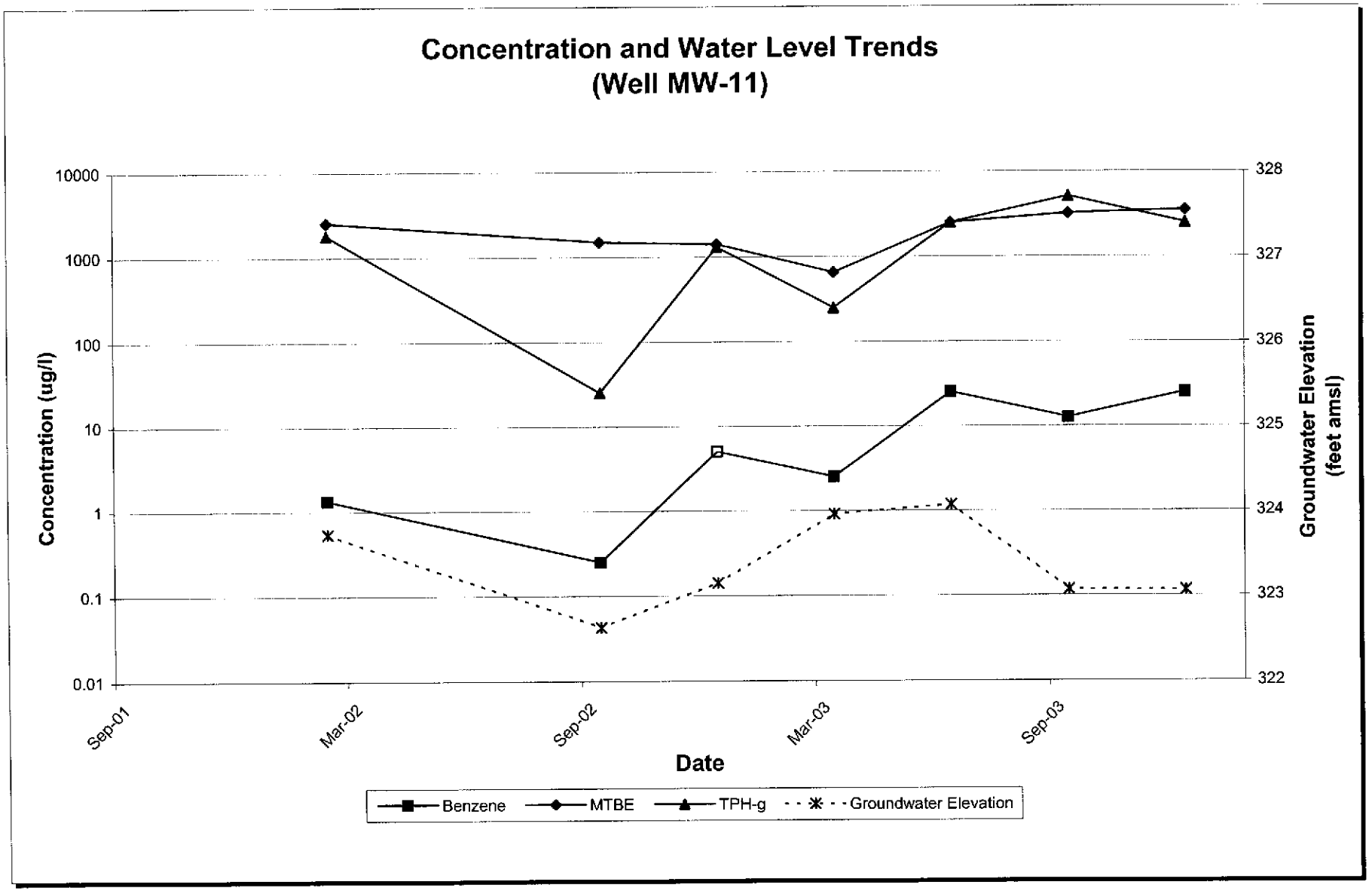
NOTE:

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.

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



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

Chart 1

Chart1

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 # 030205-JP2 Date 12/6/03 Client ARCO: 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					5.89	19.60	TOC	
MW-9	2					7.21	19.65		
MW-10	2	*				6.64	19.60		
MW-11	2					6.69	19.42		
* - under pressure - let stabalize for 10 min prior to Gauging									

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 031205-JP2	Station # 11120
Sampler: M. Pyrch	Date: 12/5/03
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.60	Depth to Water: 5.89
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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1224	68.7	7.5	3637	2	Cloudy, light tan
1226	69.2	7.1	3529	4	"
1229	69.3	7.2	3463	6.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.5

Sampling Time: 1230 Sampling Date: 12/5/03

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

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 031205-SP2	Station # 11120
Sampler: M. Pyrch	Date: 12/5/03
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.65	Depth to Water: 7.21
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.

1.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1315	69.7	8.3	1295	2.0	cloudy, light tan
1319	69.0	7.6	1228	4.0	"
1323	69.1	7.6	1197	6.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Time: 1325 Sampling Date: 12/5/03

Sample I.D.: MW-9 Laboratory: Pace (Sequoia) Other _____

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 031205-SP2	Station # 11120
Sampler: M. Pyrch	Date: 12/5/03
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.60	Depth to Water: 6.64
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	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.

2.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1209	68.9	7.2	7153	2.0 ~~3.0~~ SP	cloudy, tan
1211	69.2	7.1	7401	4.0	"
1213	69.8	7.1	7954	6.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Time: 1215 Sampling Date: 12/5/03

Sample I.D.: MW-10 Laboratory: Pace (Sequoia) Other ____

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 031205-SP2	Station # 11120
Sampler: M. Pyrch	Date: 12/5/03
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.42	Depth to Water: 6.69
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.

2.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 6.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1241	68.6	7.3	2697	2	clear
1244	68.8	7.2	2604	4	cloudy, light tan
1248	69.4	7.2	2334	6	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Time: 1250 Sampling Date: 12/5/03

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

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

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

BP 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 PLAINE 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:

24

added equip. rinse water 6

any other adjustments

TOTAL GALS. RECOVERED 30

loaded onto BTS vehicle #

BTS event #	time	date
031205-SP2	1345	12/5/03

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
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www.sequoialabs.com

18 December, 2003

Leonard Niles
URS Corporation [Arco]
500 12th Street, Suite 200
Oakland, CA 94607

RE: BP Heritage #11120, Dublin, CA
Work Order: MML0228

Enclosed are the results of analyses for samples received by the laboratory on 12/08/03 16:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate #1210

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MML0228
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	12/18/03 12:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MML0228-01	Water	12/05/03 12:30	12/08/03 16:20
MW-9	MML0228-02	Water	12/05/03 13:25	12/08/03 16:20
MW-10	MML0228-03	Water	12/05/03 12:15	12/08/03 16:20
MW-11	MML0228-04	Water	12/05/03 12:50	12/08/03 16:20

There were no custody seals that were received with this project.

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MML0228
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	12/18/03 12:09

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MML0228-01) Water Sampled: 12/05/03 12:30 Received: 12/08/03 16:20									
Ethanol	ND	100	ug/l	1	3L15001	12/13/03	12/14/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**6.7**	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	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*78-129*		"	"	"	"	
MW-9 (MML0228-02) Water Sampled: 12/05/03 13:25 Received: 12/08/03 16:20									
Ethanol	ND	100	ug/l	1	3L15002	12/15/03	12/15/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**33**	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	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MML0228
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	12/18/03 12:09

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MML0228-03) Water Sampled: 12/05/03 12:15 Received: 12/08/03 16:20									
Ethanol	ND	100	ug/l	1	3L15002	12/15/03	12/15/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.78**	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	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	
MW-11 (MML0228-04) Water Sampled: 12/05/03 12:50 Received: 12/08/03 16:20									
Ethanol	ND	10000	ug/l	100	3L15002	12/15/03	12/15/03	EPA 8260B	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	**3500**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
Benzene	ND	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Gasoline Range Organics	ND	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MML0228
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	12/18/03 12:09

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 3L15001 - EPA 5030B P/T										
Blank (3L15001-BLK1)				Prepared & Analyzed: 12/13/03						
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	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.43*		"	*5.00*		*109*	*78-129*			
Laboratory Control Sample (3L15001-BS1)				Prepared & Analyzed: 12/13/03						
Ethanol	189	100	ug/l	200		94.5	31-186			
tert-Butyl alcohol	45.9	20	"	50.0		91.8	0-206			
Methyl tert-butyl ether	9.74	0.50	"	10.0		97.4	63-137			
Di-isopropyl ether	9.08	0.50	"	10.0		90.8	76-130			
Ethyl tert-butyl ether	9.36	0.50	"	10.0		93.6	61-141			
tert-Amyl methyl ether	9.26	0.50	"	10.0		92.6	56-140			
1,2-Dichloroethane	10.5	0.50	"	10.0		105	77-136			
1,2-Dibromoethane (EDB)	9.41	0.50	"	10.0		94.1	77-132			
Benzene	9.84	0.50	"	10.0		98.4	78-124			
Toluene	9.24	0.50	"	10.0		92.4	78-129			
Ethylbenzene	8.88	0.50	"	10.0		88.8	84-117			
Xylenes (total)	25.4	0.50	"	30.0		84.7	83-125			
Surrogate: 1,2-Dichloroethane-d4	*5.37*		"	*5.00*		*107*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MML0228
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	12/18/03 12:09

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 3L15001 - EPA 5030B P/T										
Laboratory Control Sample (3L15001-BS2)				Prepared & Analyzed: 12/13/03						
Methyl tert-butyl ether	8.51	0.50	ug/l	9.92		85.8	63-137			
Benzene	5.63	0.50	"	6.40		88.0	78-124			
Toluene	30.3	0.50	"	29.7		102	78-129			
Ethylbenzene	6.98	0.50	"	6.96		100	84-117			
Xylenes (total)	33.2	0.50	"	33.7		98.5	83-125			
Gasoline Range Organics	424	50	"	440		96.4	70-113			
Surrogate: 1,2-Dichloroethane-d4	*5.25*		"	*5.00*		*105*	*78-129*			
Laboratory Control Sample Dup (3L15001-BSD1)				Prepared & Analyzed: 12/13/03						
Ethanol	208	100	ug/l	200		104	31-186	9.57	37	
tert-Butyl alcohol	44.1	20	"	50.0		88.2	0-206	4.00	22	
Methyl tert-butyl ether	9.88	0.50	"	10.0		98.8	63-137	1.43	13	
Di-isopropyl ether	9.29	0.50	"	10.0		92.9	76-130	2.29	9	
Ethyl tert-butyl ether	9.47	0.50	"	10.0		94.7	61-141	1.17	9	
tert-Amyl methyl ether	9.68	0.50	"	10.0		96.8	56-140	4.44	12	
1,2-Dichloroethane	11.1	0.50	"	10.0		111	77-136	5.56	13	
1,2-Dibromoethane (EDB)	9.56	0.50	"	10.0		95.6	77-132	1.58	9	
Benzene	10.1	0.50	"	10.0		101	78-124	2.61	12	
Toluene	9.34	0.50	"	10.0		93.4	78-129	1.08	10	
Ethylbenzene	9.27	0.50	"	10.0		92.7	84-117	4.30	10	
Xylenes (total)	26.7	0.50	"	30.0		89.0	83-125	4.99	11	
Surrogate: 1,2-Dichloroethane-d4	*5.30*		"	*5.00*		*106*	*78-129*			
Laboratory Control Sample Dup (3L15001-BSD2)				Prepared & Analyzed: 12/13/03						
Methyl tert-butyl ether	8.46	0.50	ug/l	9.92		85.3	63-137	0.589	13	
Benzene	5.62	0.50	"	6.40		87.8	78-124	0.178	12	
Toluene	30.4	0.50	"	29.7		102	78-129	0.329	10	
Ethylbenzene	7.34	0.50	"	6.96		105	84-117	5.03	10	
Xylenes (total)	33.4	0.50	"	33.7		99.1	83-125	0.601	11	
Gasoline Range Organics	405	50	"	440		92.0	70-113	4.58	9	
Surrogate: 1,2-Dichloroethane-d4	*5.48*		"	*5.00*		*110*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MML0228
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	12/18/03 12:09

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 3L15002 - EPA 5030B P/T										
Blank (3L15002-BLK1)				Prepared & Analyzed: 12/15/03						
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	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.48*		*"*	*5.00*		*110*	*78-129*			
Laboratory Control Sample (3L15002-BS1)				Prepared & Analyzed: 12/15/03						
Ethanol	203	100	ug/l	200		102	31-186			
tert-Butyl alcohol	41.6	20	"	50.0		83.2	0-206			
Methyl tert-butyl ether	9.80	0.50	"	10.0		98.0	63-137			
Di-isopropyl ether	9.16	0.50	"	10.0		91.6	76-130			
Ethyl tert-butyl ether	9.51	0.50	"	10.0		95.1	61-141			
tert-Amyl methyl ether	9.43	0.50	"	10.0		94.3	56-140			
1,2-Dichloroethane	11.2	0.50	"	10.0		112	77-136			
1,2-Dibromoethane (EDB)	9.30	0.50	"	10.0		93.0	77-132			
Benzene	9.94	0.50	"	10.0		99.4	78-124			
Toluene	9.53	0.50	"	10.0		95.3	78-129			
Ethylbenzene	9.13	0.50	"	10.0		91.3	84-117			
Xylenes (total)	26.0	0.50	"	30.0		86.7	83-125			
Surrogate: 1,2-Dichloroethane-d4	*5.42*		*"*	*5.00*		*108*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MML0228
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	12/18/03 12:09

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 3L15002 - EPA 5030B P/T										
Laboratory Control Sample (3L15002-BS2)				Prepared & Analyzed: 12/15/03						
Methyl tert-butyl ether	8.01	0.50	ug/l	9.92		80.7	63-137			
Benzene	5.38	0.50	"	6.40		84.1	78-124			
Toluene	29.0	0.50	"	29.7		97.6	78-129			
Ethylbenzene	6.84	0.50	"	6.96		98.3	84-117			
Xylenes (total)	32.1	0.50	"	33.7		95.3	83-125			
Gasoline Range Organics	408	50	"	440		92.7	70-113			
Surrogate: 1,2-Dichloroethane-d4	*5.58*		"	*5.00*		*112*	*78-129*			
Laboratory Control Sample Dup (3L15002-BSD1)				Prepared: 12/15/03 Analyzed: 12/16/03						
Ethanol	186	100	ug/l	200		93.0	31-186	8.74	37	
tert-Butyl alcohol	41.5	20	"	50.0		83.0	0-206	0.241	22	
Methyl tert-butyl ether	9.78	0.50	"	10.0		97.8	63-137	0.204	13	
Di-isopropyl ether	8.93	0.50	"	10.0		89.3	76-130	2.54	9	
Ethyl tert-butyl ether	9.55	0.50	"	10.0		95.5	61-141	0.420	9	
tert-Amyl methyl ether	9.64	0.50	"	10.0		96.4	56-140	2.20	12	
1,2-Dichloroethane	10.9	0.50	"	10.0		109	77-136	2.71	13	
1,2-Dibromoethane (EDB)	9.41	0.50	"	10.0		94.1	77-132	1.18	9	
Benzene	10.1	0.50	"	10.0		101	78-124	1.60	12	
Toluene	9.16	0.50	"	10.0		91.6	78-129	3.96	10	
Ethylbenzene	9.24	0.50	"	10.0		92.4	84-117	1.20	10	
Xylenes (total)	25.9	0.50	"	30.0		86.3	83-125	0.385	11	
Surrogate: 1,2-Dichloroethane-d4	*5.46*		"	*5.00*		*109*	*78-129*			
Laboratory Control Sample Dup (3L15002-BSD2)				Prepared: 12/15/03 Analyzed: 12/16/03						
Methyl tert-butyl ether	8.15	0.50	ug/l	9.92		82.2	63-137	1.73	13	
Benzene	5.24	0.50	"	6.40		81.9	78-124	2.64	12	
Toluene	29.0	0.50	"	29.7		97.6	78-129	0.00	10	
Ethylbenzene	6.59	0.50	"	6.96		94.7	84-117	3.72	10	
Xylenes (total)	30.9	0.50	"	33.7		91.7	83-125	3.81	11	
Gasoline Range Organics	379	50	"	440		86.1	70-113	7.37	9	
Surrogate: 1,2-Dichloroethane-d4	*5.57*		"	*5.00*		*111*	*78-129*			

Sequoia Analytical

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www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11120, Dublin, CA	MML0228
500 12th Street, Suite 200	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	12/18/03 12:09

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name 11120 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT

MHL0228

Date: 12/5/03

On-site Time: 1125 Temp: 66°
Off-site Time: 1345 Temp: 66°
Sky Conditions: Cloudy
Meteorological Events: —
Wind Speed: — Direction: —

Send To:
Lab Name: SEQUOIA
Lab Address: 885 Jarvis Dr.
Morgan Hill, CA 95037
Lab PM Theresa Allen
Tele/Fax: 408-776-9600 / 408-782-6308
Report Type & QC Level: 1 Send EDF Reports
BP/GEM Account No.: 400-6-21124

BP/GEM Facility No.: 11120
BP/GEM Facility Address: 6400 Dublin Ave., Dublin, CA
Site ID No. 11120
Site Lat/Long:
California Global ID #: T0600101432
BP/GEM PM Contact: PAUL SUPPLE
Address: P.O. Box 6549
Moraga, CA 94570
Tele/Fax: 925-299-8891/925-299-8872

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

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediment	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015/8021+8260)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-8	1230		X			01	3				X	X				X	X	X	
2	MW-9	1325		X			02	3				X	X				X	X	X	
3	MW-10	1215		X			03	3				X	X				X	X	X	
4	MW-11	1250		X			04	3				X	X				X	X	X	
5																				
6																				
7																				
8																				
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Matthew Pyrdz	Matthew Pyrdz	12/5/03	15:22		12/5/03	1522
Sampler's Company: Blaine Tech Services		12/5/03	1620	Linda Johnson	12-8-03	1620
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

Body Seals In Place Yes X No N/P Temperature Blank Yes No X Cooler Temperature on Receipt 4.6°F/C Trip Blank Yes No X

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

BP COC Rev. 1 3/502

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): RS
WORKORDER: 0312228

DATE REC'D AT LAB: 12-5-03
TIME REC'D AT LAB: 1620
DATE LOGGED IN: 12-9-03

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*			MW-8	3-VOAs	HCl	L	12-5-03	10° HA 3240
2. Chain-of-Custody (Present) / Absent*			MW-9	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / (Absent)			MW-10					
4. Airbill: Airbill / Sticker Present / (Absent)			MW-11	↓	↓	↓	↓	
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time: (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper Preservatives used: (Yes) / No*								
13. Temp Rec. at Lab: Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)

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

12-8-03

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

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

12/22/03

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:	MML0228
Global ID:	T0600101432
Lab Report Number:	MML0228121820031209

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MML02281218200 31209	MW-10	MML022803	W	CS	8260TPH	SW5030B	12/05/03	12/15/03	12/15/03	3L15002	1
MML02281218200 31209	MW-11	MML022804	W	CS	8260TPH	SW5030B	12/05/03	12/15/03	12/15/03	3L15002	1
MML02281218200 31209	MW-8	MML022801	W	CS	8260TPH	SW5030B	12/05/03	12/13/03	12/14/03	3L15001	1
MML02281218200 31209	MW-9	MML022802	W	CS	8260TPH	SW5030B	12/05/03	12/15/03	12/15/03	3L15002	1
		3L15001BSD1	WQ	BD1	8260TPH	SW5030B	/ /	12/13/03	12/13/03	3L15001	1
		3L15001BSD2	WQ	BD2	8260TPH	SW5030B	/ /	12/13/03	12/13/03	3L15001	1
		3L15001BS1	WQ	BS1	8260TPH	SW5030B	/ /	12/13/03	12/13/03	3L15001	1
		3L15001BS2	WQ	BS2	8260TPH	SW5030B	/ /	12/13/03	12/13/03	3L15001	1
		3L15001BLK1	WQ	LB1	8260TPH	SW5030B	/ /	12/13/03	12/13/03	3L15001	1
		3L15002BSD1	WQ	BD1	8260TPH	SW5030B	/ /	12/15/03	12/16/03	3L15002	1
		3L15002BSD2	WQ	BD2	8260TPH	SW5030B	/ /	12/15/03	12/16/03	3L15002	1
		3L15002BS1	WQ	BS1	8260TPH	SW5030B	/ /	12/15/03	12/15/03	3L15002	1
		3L15002BS2	WQ	BS2	8260TPH	SW5030B	/ /	12/15/03	12/15/03	3L15002	1
		3L15002BLK1	WQ	LB1	8260TPH	SW5030B	/ /	12/15/03	12/15/03	3L15002	1

EDFSAMP: Error Summary Log

12/22/03

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

EDFTEST: Error Summary Log

12/22/03

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

EDFRES: Error Summary Log

12/22/03

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

EDFQC: Error Summary Log

12/22/03

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

EDFCL: Error Summary Log

12/22/03

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**Fourth Quarter 2003 Geowell for Site #11120**
Submittal Date/Time:	**12/21/2003 1:32:53 PM**
Confirmation Number:	1079578995

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: 7196366310
Date/Time of Submittal: 12/21/2003 1:30:25 PM
Facility Global ID: T0600101432
Facility Name: BP
Submittal Title: Fourth Quarter 2003 Groundwater Monitoring Report for Site #11120
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR) 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	—	7.8	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	08/20/96	328.96	5.65	323.31	—	—	—	—	—	—	—	—	—
MW-1	08/21/96	328.96	—	—	—	—	—	—	—	—	—	—	—
MW-1	10/31/96	328.96	5.99	322.97	ND<50	160	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.8	SPL
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	08/20/96	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

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-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
QC-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	8.6	20	3800 (e)	7.3	PACE
QC-1 (f)	09/12/94	—	—	—	1800	—	ND<5.0	ND<5.0	6.0	10	3900 (e)	—	PACE
MW-3	12/20/94	329.36	6.41	322.95	18000	9600	79	28	89	9.3	—	7.3	PACE
QC-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
QC-1 (f)	03/16/95	—	—	—	6300	—	500	ND<5.0	230	13	—	—	ATI
MW-3	06/28/95	329.36	5.50	323.86	9000	3000	(g) ND<10	ND<10	ND<10	ND<20	—	7.4	ATI
QC-1 (f)	06/28/95	—	—	—	8800	—	(g) ND<10	ND<10	ND<10	ND<20	—	—	ATI
MW-3	09/06/95	329.36	6.66	322.70	10000	2800	ND<50	ND<50	ND<50	ND<100	37000	7.1	ATI
QC-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
QC-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
QC-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	6.4	SPL
QC-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
QC-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
QC-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
OC-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
OC-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	08/20/96	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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