



July 31, 2003

Ms. Eva Chu
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Alameda County
AUG 01 2003
Environmental Health

**Re: Second Quarter 2003 Groundwater Monitoring Report
Former BP Service Station # 11120
6400 Dublin Road
Dublin, California
URS Project #38486244**


Dear Ms. Chu:

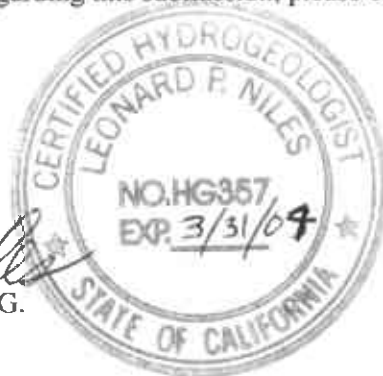
On behalf of the Group Environmental Management Company (an affiliated company of BP), URS Corporation (URS) is submitting the *Second Quarter 2003 Groundwater Monitoring Report* for the Former BP Service Station #11120, located at 6400 Dublin Road, Dublin, California.

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

Sincerely,

URS CORPORATION


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



Enclosure: Second Quarter 2003 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, P.O. Box 6549, Moraga, CA 94570
Ms. Liz Sewell, ConocoPhillips, 76 Braodway, Sacramento CA 95818

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

R E P O R T

Alameda County
AUG 01 2003
Environmental Health

**SECOND QUARTER 2003
GROUNDWATER MONITORING**

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

Prepared for
BP GEM

July 31, 2003

URS

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

38486244

Date: July 31, 2003
Quarter: 2Q 03

BP QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.: 11120 Address: 6400 Dublin Road, Dublin, CA
BP Environmental Engineer: Paul Supple
Consulting Co./Contact Person: URS Corporation / Leonard Niles
Consultant Project No.: 38486244
Primary Agency: Alameda County Health Care Services

WORK PERFORMED THIS QUARTER (Second – 2003):

1. Performed second quarter groundwater monitoring event on June 28, 2003.
2. Prepared and submitted first quarter 2003 groundwater monitoring report

WORK PROPOSED FOR NEXT QUARTER (Third – 2003):

1. Perform third quarter 2003 groundwater monitoring event.
2. Prepare and submit second quarter 2003 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 currently
Approximate Depth to Groundwater: 5.68 (MW-11) to 7.70 (MW-10) Feet
Groundwater Gradient (direction): Southeast
Groundwater Gradient (magnitude): 0.042 feet per foot

DISCUSSION:

This quarter samples were analyzed by EPA Method 8260B for TPH-g, BTEX, MTBE and fuel oxygenates. TPH-g was not detected at any of the four wells sampled this quarter; however, MW-11 had an elevated detection limit of 5,000 µg/L. Benzene was also not detected in any of the four wells sampled; again, MW-11 had an elevated detection limit of 50 µg/L. MTBE was detected in four wells at concentrations ranging from 0.68 µg/L (MW-10) to 2,500 µg/L (MW-11).

The first and second quarter data have been uploaded to Geotracker. The submittal confirmation for both quarters has been included in Attachment C.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Figure 1– Groundwater Elevation Contour and Analytical Summary Map – June 28, 2003
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC Report and EDF/Geowell Submittal Confirmation
- Attachment D – Historical Groundwater Analytical Data for Former Wells Abandoned in 1999 (Source Alisto Engineering)

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

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	GWE (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (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
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
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
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

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

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	GWE (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	MTBE (8260 B) (ug/l)	Fuel Oxygenates & Pb Scavengers (ug/l)	DO (ppm)	LAB
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ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline by EPA method 8015 B Modified
B Benzene by EPA method 8021 B
T Toluene by EPA method 8021 B
E Ethylbenzene by EPA method 8021 B
X Total xylenes by EPA method 8021 B
MTBE Methyl tert butyl ether by EPA method 8021 B
DO Dissolved oxygen
ug/l Micrograms per liter
ppm Parts per million
ND Not detected above reported detection limit
--- Not applicable/analyzed/measured
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 alcohol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME); lead scavengers include: 1,2 dichloroethane (1,2-DCA) & ethylene dibromide (EDB)
(d) 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 Group Environmental Management 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

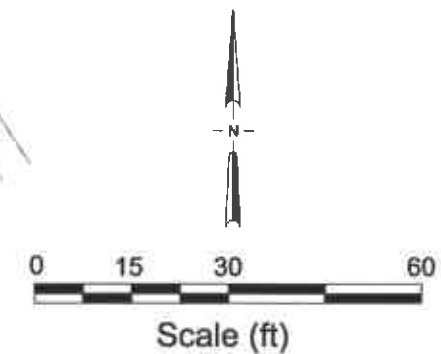
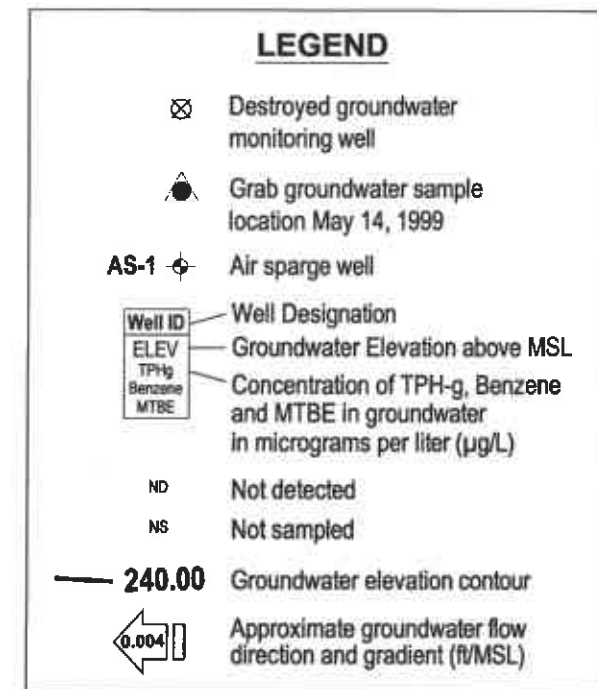
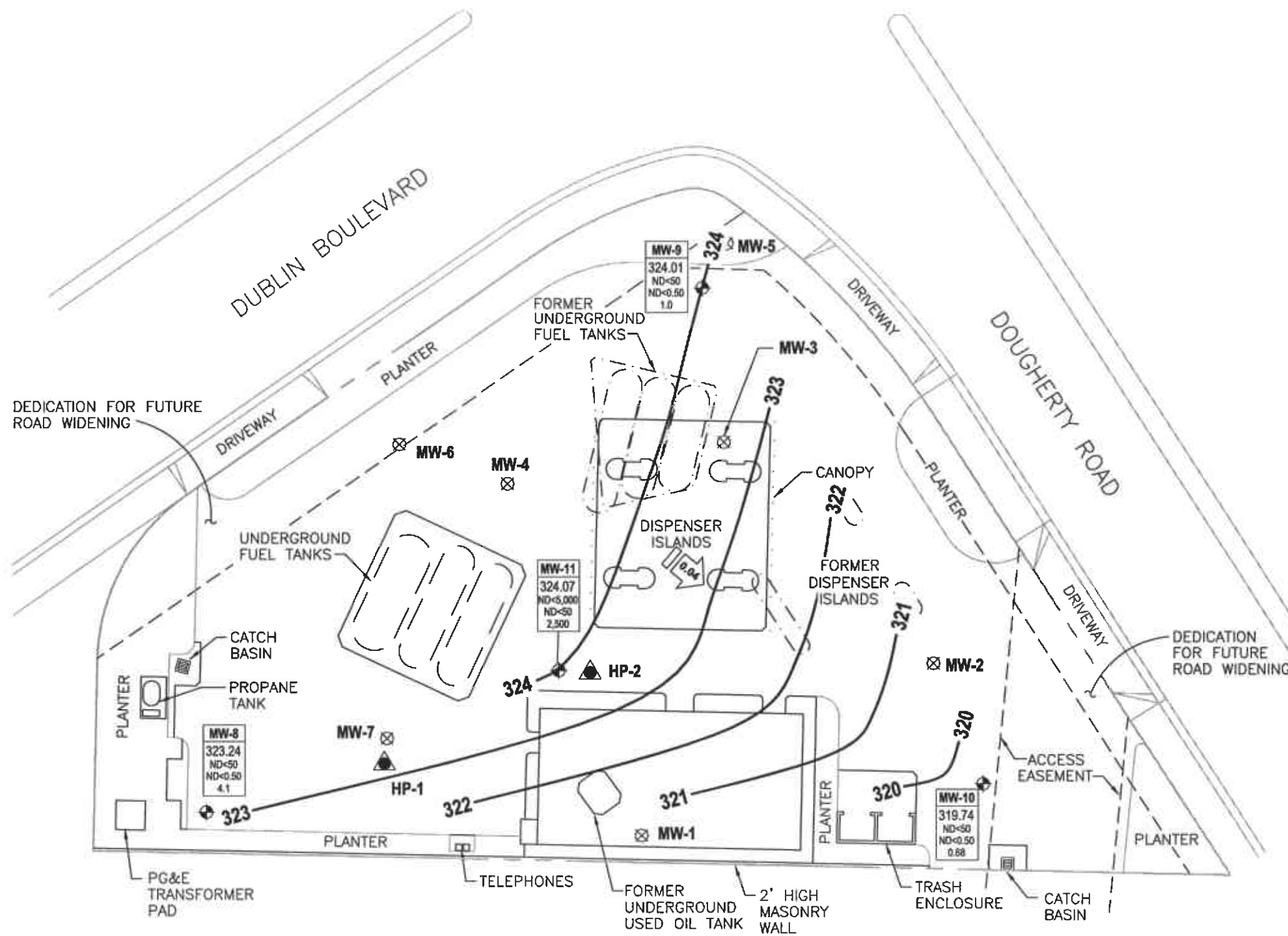
Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-8	03/12/03	ND<100	ND<20	4.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-8	06/28/03	ND<100	ND<20	4.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-9	03/12/03	ND<100	ND<20	0.59	ND<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-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-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

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 above laboratory reporting limits.



X:\a_env\waas\BP_GEMSteel\Niles_Sites\1120\Reports\Monitoring\Cr. 2, 2003\Drawings\GEMEC_AS_6-26.dwg, 07/28/2003 03:50:45 PM, [jwanayad]

URS	Project No. 38486244	Groundwater Elevation Contour and Analytical Summary Map Second Quarter 2003 (June 28, 2003)	FIGURE 1
	Former BP Station #11120 6200 Dublin Boulevard Dublin, California		

ATTACHMENT A
FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030628-AEZ</u>	Station # <u>BP 1120</u>
Sampler: <u>AC</u>	Date: <u>6/28/03</u>
Well I.D.: <u>MW-8</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>19.60</u>	Depth to Water: <u>5.70</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> 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: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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.

<u>2.2</u>	X	<u>3</u>	=	<u>6.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1131	76.3	6.6	3584	2.5	clear
1134	76.7	6.7	3567	5	cloudy
1137	76.7	6.7	3520	7.5	cloudy

Did well dewater? Yes <input checked="" type="checkbox"/> <u>NO</u>	Gallons actually evacuated: <u>7.5</u>
Sampling Time: <u>1140</u>	Sampling Date: <u>6/28/03</u>
Sample I.D.: <u>MW-8</u>	Laboratory: Pace <u>(Sequóia)</u> Other _____
Analyzed for: <u>(TPH-C)</u> <u>(BTEX)</u> <u>(MTBE)</u> TPH-D Other: <u>oxy's (5)</u> <u>Ethanol</u>	
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 #: <u>030628-Aez</u>	Station # <u>BP 11/20</u>
Sampler: <u>AC</u>	Date: <u>6/28/03</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>19.65</u>	Depth to Water: <u>5.95</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> 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: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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.

<u>2.2</u>	x	<u>3</u>	=	<u>6.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1252	75.6	7.5	1314	2.5	cloudy
1255	75.4	7.6	1266	5	"
1259	76.0	7.6	1329	7.5	"

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>7.5</u>
Sampling Time: <u>1305</u>	Sampling Date: <u>6/28/03</u>
Sample I.D.: <u>MW-9</u>	Laboratory: Pace <u>(Sequoia)</u> Other: _____

Analyzed for: <u>(TPH-D)</u> <u>(BTEX)</u> <u>(MTBE)</u> TPH-D Other: <u>Oxy's (5)</u> <u>Ethanol</u>			
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 #: <u>030628-AEZ</u>	Station # <u>BP 1120</u>
Sampler: <u>AC</u>	Date: <u>6/28/03</u>
Well I.D.: <u>MW-10</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>19.60</u>	Depth to Water: <u>7.70</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> 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: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
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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.

<u>1.9</u>	X	<u>3</u>	=	<u>5.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1157	73.0	6.8	7027	2	cloudy
1159	73.3	6.8	7130	4	cloudy
1202	73.7	6.9	7123	6	"

Did well dewater? Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No	Gallons actually evacuated: <u>6</u>
Sampling Time: <u>1210</u>	Sampling Date: <u>6/28/03</u>
Sample I.D.: <u>MW-10</u>	Laboratory: Pace <u>(Sequidia)</u> Other _____
Analyzed for: <u>(TPH-C)</u> <u>(BTEX)</u> <u>(MTBE)</u> TPH-D Other: <u>Ox's (5)</u> <u>Ethanol</u>	
D.O. (if req'd):	Pre-purge: <u>mg/L</u> Post-purge: <u>mg/L</u>
O.R.P. (if req'd):	Pre-purge: <u>mV</u> Post-purge: <u>mV</u>

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030628-Ae2</u>	Station # <u>BP 11/20</u>
Sampler: <u>Ac</u>	Date: <u>6/28/03</u>
Well I.D.: <u>MW-11</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>19.42</u>	Depth to Water: <u>5.68</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> 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: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
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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.

<u>2.2</u>	X	<u>3</u>	=	<u>6.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>1226</u>	<u>74.1</u>	<u>7.1</u>	<u>2384</u>	<u>2.5</u>	<u>cloudy</u>
<u>1230</u>	<u>74.6</u>	<u>7.1</u>	<u>2392</u>	<u>5</u>	<u>"</u>
<u>1233</u>	<u>74.7</u>	<u>7.0</u>	<u>2287</u>	<u>7.5</u>	<u>"</u>

Did well dewater? Yes No Gallons actually evacuated: 7.5

Sampling Time: 1240 Sampling Date: 6/28/03

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

Analyzed for: (TPH-D) (BTEX) (MTBE) TPH-D Other: Ox's (5) Ethanol

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



Chain of Custody Record

Project Name 030628-AC2
 BP BU/GEM CO Portfolio: _____
 BP Laboratory Contract Number: _____
 Date: 6/28/03 Requested Due Date (mm/dd/yy) _____

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

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 6400 Dublin Ave., Dublin, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr. Morgan Hill, CA 95037	Site ID No. 11120	Oakland, CA 94609-4014
	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600101432	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1720 / 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: Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No:

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis						Sample Point Lat/Long and Comments
			Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-G/BTEX (8015-8021) 8260	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	
1	MW-8	1140	X				3					X			X	X	X		
2	MW-9	1305	X				3					X			X	X	X		
3	MW-10	1210	X				3					X			X	X	X		
4	MW-11	1240	X				3					X			X	X	X		
5																			
6																			
7																			
8																			
9																			
10																			

Sampler's Name: <u>Arnon Costa</u>	Relinquished By / Affiliation: <u>Arnon Costa / Blaine Tech</u>	Date:	Time:	Accepted By / Affiliation:	Date:	Time:
Sampler's Company: <u>Blaine Tech</u>						
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

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

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:

BP 11/20

Station #

6400 Dublin ~~Blvd.~~ Dublin

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

40

added equip.
rinse water

10

any other
adjustments

TOTAL GALS.
RECOVERED

50

loaded onto
BTS vehicle #

53

BTS event #

030625-Ac2

time

date

1315 6/28/25

signature

Chris Costa

REC'D AT

time

date

unloaded by
signature

1/1

WELLHEAD INSPECTION CHECKLIST

Client BP 11120 Date 6/28/05
 Site Address 6400 Dublin Blvd. Dublin
 Job Number 030608-ALZ Technician AC

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-8		X						
MW-9	X							
MW-10		X						
MW-11	X							

NOTES: _____

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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



22 July, 2003

Leonard Niles
URS Corporation [Arco]
500 12th Street, Suite 100
Oakland, CA 94607

RE: BP Heritage #11120, Dublin, CA
Work Order: MMG0040

Enclosed are the results of analyses for samples received by the laboratory on 07/01/03 11:12. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen
Project Manager

CA ELAP Certificate #1210

URS Corporation [Arco]
 500 12th Street, Suite 100
 Oakland CA, 94607

 Project: BP Heritage #11120, Dublin, CA
 Project Number: N/P
 Project Manager: Leonard Niles

MMG0040
Reported:
 07/22/03 18:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MMG0040-01	Water	06/28/03 11:40	07/01/03 11:12
MW-9	MMG0040-02	Water	06/28/03 13:05	07/01/03 11:12
MW-10	MMG0040-03	Water	06/28/03 12:10	07/01/03 11:12
MW-11	MMG0040-04	Water	06/28/03 12:40	07/01/03 11:12

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

URS Corporation [Arco]
 500 12th Street, Suite 100
 Oakland CA, 94607

 Project: BP Heritage #11120, Dublin, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MMG0040
 Reported:
 07/22/03 18:42

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-8 (MMG0040-01) Water Sampled: 06/28/03 11:40 Received: 07/01/03 11:12

Ethanol	ND	100	ug/l	1	3G08011	07/08/03	07/08/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	4.1	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 102 % 78-129 " " " "

MW-9 (MMG0040-02) Water Sampled: 06/28/03 13:05 Received: 07/01/03 11:12

Ethanol	ND	100	ug/l	1	3G08011	07/08/03	07/08/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	1.0	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 95.4 % 78-129 " " " "

URS Corporation [Arco]
 500 12th Street, Suite 100
 Oakland CA, 94607

 Project: BP Heritage #11120, Dublin, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MMG0040
 Reported:
 07/22/03 18:42

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
MW-10 (MMG0040-03) Water Sampled: 06/28/03 12:10 Received: 07/01/03 11:12										
Ethanol	ND	100		ug/l	1	3G08011	07/08/03	07/08/03	EPA 8260B	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Methyl tert-butyl ether	0.68	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		"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %		78-129		"	"	"	"	
MW-11 (MMG0040-04) Water Sampled: 06/28/03 12:40 Received: 07/01/03 11:12										
Ethanol	ND	10000		ug/l	100	3G08011	07/08/03	07/08/03	EPA 8260B	
tert-Butyl alcohol	ND	2000		"	"	"	"	"	"	
Methyl tert-butyl ether	2500	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 (C6-C10)	ND	5000		"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %		78-129		"	"	"	"	

URS Corporation [Arco]
 500 12th Street, Suite 100
 Oakland CA, 94607

 Project: BP Heritage #11120, Dublin, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MMG0040
 Reported:
 07/22/03 18:42

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
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Batch 3G08011 - EPA 5030B P/T
Blank (3G08011-BLK1)

Prepared & Analyzed: 07/08/03

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 (C6-C10)	ND	50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.61		"	5.00		92.2	78-129			

Laboratory Control Sample (3G08011-BS1)

Prepared & Analyzed: 07/08/03

Methyl tert-butyl ether	9.98	0.50	ug/l	10.0		99.8	63-137			
Benzene	10.1	0.50	"	10.0		101	78-124			
Toluene	10.5	0.50	"	10.0		105	78-129			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.89		"	5.00		97.8	78-129			

Laboratory Control Sample (3G08011-BS2)

Prepared & Analyzed: 07/08/03

Methyl tert-butyl ether	8.00	0.50	ug/l	9.92		80.6	63-137			
Benzene	4.54	0.50	"	6.40		70.9	78-124			Q-LIM
Toluene	29.0	0.50	"	29.7		97.6	78-129			
Gasoline Range Organics (C6-C10)	404	50	"	440		91.8	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.63		"	5.00		92.6	78-129			

URS Corporation [Arco]
 500 12th Street, Suite 100
 Oakland CA, 94607

 Project: BP Heritage #11120, Dublin, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MMG0040
 Reported:
 07/22/03 18:42

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
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Batch 3G08011 - EPA 5030B P/T

Matrix Spike (3G08011-MS1)	Source: MMF0750-12			Prepared & Analyzed: 07/08/03						
Methyl tert-butyl ether	162	2.5	ug/l	49.6	130	64.5	63-137			
Benzene	24.3	2.5	"	32.0	ND	75.9	78-124			QM-07
Toluene	150	2.5	"	148	ND	101	78-129			
Gasoline Range Organics (C6-C10)	2110	250	"	2200	120	90.5	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.98</i>		<i>"</i>	<i>5.00</i>		<i>99.6</i>	<i>78-129</i>			
Matrix Spike Dup (3G08011-MSD1)	Source: MMF0750-12			Prepared & Analyzed: 07/08/03						
Methyl tert-butyl ether	145	2.5	ug/l	49.6	130	30.2	63-137	11.1	13	QM-07
Benzene	29.2	2.5	"	32.0	ND	91.2	78-124	18.3	12	QR-07
Toluene	183	2.5	"	148	ND	124	78-129	19.8	10	QR-02
Gasoline Range Organics (C6-C10)	2510	250	"	2200	120	109	70-113	17.3	9	QR-02
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.89</i>		<i>"</i>	<i>5.00</i>		<i>97.8</i>	<i>78-129</i>			

URS Corporation [Arco]
500 12th Street, Suite 100
Oakland CA, 94607Project: BP Heritage #11120, Dublin, CA
Project Number: N/P
Project Manager: Leonard NilesMMG0040
Reported:
07/22/03 18:42**Notes and Definitions**

- Q-LIM The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.
- QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QR-02 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QR-07 The RPD was outside control limits. The results may still be useful for their intended purpose.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



Chain of Custody Record

mm60040

Project Name 030628-AC2
 BP BU/GEM CO Portfolio: _____
 BP Laboratory Contract Number: _____

Date: 6/28/03 Requested Due Date (mm/dd/yy) _____

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

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 6400 Dublin Ave., Dublin, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. 11120	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail BDD: syed_rehan@urscorp.com
	California Global ID #: T0600101432	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1720 / 510-874-3268
Tele/Fax: 408-776-9600 / 408-762-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Leonard Niles
Report Type & QC Level: Send BDI Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor of BP/GEM (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax: 925-299-8801/025-299-8872	BP/GEM Work Release No:

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis				Sample Point Lat/Long and Comments		
			Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-C/BTEX (8015)	TPH-D (8015)	MTBE (8021)	MTBE (8260)		MTBE, TAME, ETBE (8260)	DIPS, TBA (8260)
1	MW-8	1140	X				01	3					X			X	X		
2	MW-9	1305	X				02	3					X			X	X		
3	MW-10	1210	X				03	3					X			X	X		
4	MW-11	1240	X				04	3					X			X	X		
5																			
6																			
7																			
8																			
9																			
10																			

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<u>Anton Coska</u>	<u>Blaine Tech</u>	<u>7/1/03</u>	<u>10:33</u>	<u>[Signature]</u>	<u>7/1/03</u>	<u>10:33</u>
<u>Blaine Tech</u>	<u>[Signature]</u>	<u>7/1/03</u>	<u>11:12</u>	<u>[Signature]</u>	<u>7/1/03</u>	<u>11:12</u>

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

Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt 6 °C Trip Blank Yes No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
 REC. BY (PRINT) [Signature]
 WORKORDER: mm60040

DATE REC'D AT LAB: 7/1/03
 TIME REC'D AT LAB: 11:32
 DATE LOGGED IN: 7-2-03

Drinking water for regulatory purposes: YES NO
 Wastewater 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 / <input checked="" type="checkbox"/> Absent Intact / Broken*	01		MW-8	(3) vocs	HCL	L	6/28/03	
	02		9	↓	↓	↓	↓	
2. Chain-of-Custody <input checked="" type="checkbox"/> Present / Absent*	03		10	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / <input checked="" type="checkbox"/> Absent	04		11	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / <input checked="" type="checkbox"/> Absent								
5. Airbill #:								
6. Sample Labels: <input checked="" type="checkbox"/> Present / Absent								
7. Sample IDs: <input checked="" type="checkbox"/> Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: <input checked="" type="checkbox"/> Intact / Broken* / Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? <input checked="" type="checkbox"/> Yes / No*								
10. Sample received within hold time: <input checked="" type="checkbox"/> Yes / No*								
11. Proper Preservatives used: <input checked="" type="checkbox"/> Yes / No*								
12. Temp Rec. at Lab: <u>6°C</u> Is temp 4 +/- 2°C? <input checked="" type="checkbox"/> Yes / No**								
<div style="position: absolute; top: 50px; left: 50%; transform: translate(-50%, -50%); opacity: 0.5;"> <p>7/1/03 [Signature]</p> </div>								

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

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

07/25/03

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:	MMG0040
Global ID:	T0600101432
Lab Report Number:	MMG0040072220031842

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MMG0040072220	MW-10 031842	MMG004003	W	CS	8260+OX	SW5030B	06/28/03	07/08/03	07/08/03	3G08011	1
MMG0040072220	MW-11 031842	MMG004004	W	CS	8260+OX	SW5030B	06/28/03	07/08/03	07/08/03	3G08011	1
MMG0040072220	MW-8 031842	MMG004001	W	CS	8260+OX	SW5030B	06/28/03	07/08/03	07/08/03	3G08011	1
MMG0040072220	MW-9 031842	MMG004002	W	CS	8260+OX	SW5030B	06/28/03	07/08/03	07/08/03	3G08011	1
		MMF075012	W	NC	8260+OX	SW5030B	//	07/08/03	07/08/03	3G08011	1
		3G08011BS1	WQ	BS1	8260+OX	SW5030B	//	07/08/03	07/08/03	3G08011	1
		3G08011BS2	WQ	BS2	8260+OX	SW5030B	//	07/08/03	07/08/03	3G08011	1
		3G08011BLK1	WQ	LB1	8260+OX	SW5030B	//	07/08/03	07/08/03	3G08011	1
		3G08011MS1	W	MS1	8260+OX	SW5030B	//	07/08/03	07/08/03	3G08011	1
		3G08011MSD1	W	SD1	8260+OX	SW5030B	//	07/08/03	07/08/03	3G08011	1

EDFSAMP: Error Summary Log

07/25/03

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

EDFTEST: Error Summary Log

07/25/03

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

EDFRES: Error Summary Log

07/25/03

Error type	Labsampid	Qcocode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3G08011MS1	MS1	W	8260+OX	PR	07/08/03	1	GROC6C10
Warning: extra parameter	3G08011MSD1	SD1	W	8260+OX	PR	07/08/03	1	GROC6C10
Warning: extra parameter	MMG075012	NC	W	8260+OX	PR	07/08/03	1	GROC6C10
Warning: extra parameter	MMG004001	CS	W	8260+OX	PR	07/08/03	1	GROC6C10
Warning: extra parameter	MMG004001	CS	W	8260+OX	PR	07/08/03	1	XYLENES
Warning: extra parameter	MMG004002	CS	W	8260+OX	PR	07/08/03	1	GROC6C10
Warning: extra parameter	MMG004002	CS	W	8260+OX	PR	07/08/03	1	XYLENES
Warning: extra parameter	MMG004003	CS	W	8260+OX	PR	07/08/03	1	GROC6C10
Warning: extra parameter	MMG004003	CS	W	8260+OX	PR	07/08/03	1	XYLENES
Warning: extra parameter	MMG004004	CS	W	8260+OX	PR	07/08/03	1	GROC6C10
Warning: extra parameter	MMG004004	CS	W	8260+OX	PR	07/08/03	1	XYLENES
Warning: extra parameter	3G08011BLK1	LB1	WQ	8260+OX	PR	07/08/03	1	GROC6C10
Warning: extra parameter	3G08011BLK1	LB1	WQ	8260+OX	PR	07/08/03	1	XYLENES
Warning: extra parameter	3G08011BS2	BS2	WQ	8260+OX	PR	07/08/03	1	GROC6C10

EDFQC: Error Summary Log

07/25/03

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

EDFCL: Error Summary Log

07/25/03

Error type	Cirevdate	Anmcode	Exmcode	Parlabel	Cicode
There are no errors in this data file	//				

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Facility Global ID: T0600101432

Facility Name: BP

Submittal Title: Second Quarter 2003 Groundwater Monitoring Report Site #11120

Submittal Type: GW Monitoring Report

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<u>Submittal Date/Time:</u>	7/25/2003 10:26:01 AM
<u>Confirmation Number:</u>	7169300675

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Facility Global ID: T0600101432

Facility Name: BP

Submittal Title: First Quarter 2003 Groundwater Monitoring Report. Site #11120

Submittal Type: GW Monitoring Report

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Confirmation Number: 1597976505

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ATTACHMENT D

**HISTORICAL GROUNDWATER ANALYTICAL DATA FOR FORMER
WELLS ABANDONED 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 (Feet) (a)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet) (b)	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	---	---	---
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	---	---	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	---	4.3	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	---	8.8	PACE
MW-1	12/20/94	328.96	6.34	322.62	---	---	---	---	---	---	---	7.8	PACE
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	---	---	---
MW-1	06/28/95	328.96	5.35	323.61	---	---	---	---	---	---	---	5.8	ATI
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	---	---
MW-1	12/22/95	328.96	6.04	322.92	---	---	---	---	---	---	---	7.4	ATI
MW-1	08/20/96	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 (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	---	---	---
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	---	---	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	---	4.3	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	---	8.2	PACE
MW-2	12/20/94	328.50	5.86	322.64	---	---	---	---	---	---	---	7.5	PACE
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	---	---	---
MW-2	06/28/95	328.50	4.33	324.17	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	6.6	ATI
MW-2	09/06/95	328.50	5.85	322.65	---	---	---	---	---	---	---	---	---
MW-2	12/22/95	328.50	5.50	323.00	ND<50	210	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.0	ATI
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	---	---
MW-2	10/31/96	328.50	5.44	323.06	---	---	---	---	---	---	---	7.0	SPL
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	---	---
MW-2	06/03/97	328.50	7.14	321.36	---	---	---	---	---	---	---	5.8	SPL
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	---	---
MW-2	12/03/97	328.50	6.22	322.28	---	---	---	---	---	---	---	5.2	SPL
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 (Feet) (a)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet) (b)	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	—	—	—
MW-3	04/09/93	329.36	4.90	324.46	260	—	6.1	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	—	—	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	3300	(e)	—
MW-3	03/07/94	329.36	6.08	323.28	1300	5000	22	4.0	2.2	3.8	910	(e)	—
MW-3	06/09/94	329.36	6.51	322.85	8500	2600	25	8.3	0.5	15	7200	(e)	3.7
QC-1 (f)	06/09/94	—	—	—	8800	—	23	6.3	0.5	10	13000	(e)	7.2
MW-3	09/12/94	329.36	7.63	321.73	2100	3200	ND<5.0	ND<5.0	8.8	20	3800	(e)	—
QC-1 (f)	09/12/94	—	—	—	1800	—	ND<5.0	ND<5.0	8.0	10	3900	(e)	7.3
MW-3	12/20/94	329.36	6.41	322.95	18000	9600	79	28	89	9.3	—	—	—
QC-1 (f)	12/20/94	—	—	—	17000	—	79	33	80	ND<2.5	—	—	7.3
MW-3	03/16/95	329.36	4.39	324.97	6300	7000	470	ND<5.0	210	9.9	—	—	—
QC-1 (f)	03/16/95	—	—	—	6300	—	500	ND<5.0	230	13	—	—	5.5
MW-3	06/28/95	329.36	5.50	323.86	9000	3000	(g) ND<10	ND<10	ND<10	ND<20	—	—	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	—	—	ATI
QC-1 (f)	09/06/95	—	—	—	9700	—	ND<50	ND<50	ND<50	ND<100	37000	—	7.1
MW-3	12/22/95	329.36	6.31	323.05	9200	2500	ND<50	ND<50	ND<50	ND<100	36000	—	ATI
MW-3	08/20/96	329.36	5.87	323.49	—	—	—	—	—	—	29000	—	ATI
MW-3	08/21/96	329.36	—	—	—	—	—	—	—	—	—	—	—
QC-1 (f)	08/21/96	—	—	—	3700	1900	ND<25	ND<50	ND<50	ND<50	—	—	—
MW-3	10/31/96	—	—	—	3500	—	ND<25	ND<50	ND<50	ND<50	4100	—	6.8
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	4000	—	SPL
QC-1 (f)	10/31/96	—	—	—	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	—	6.8
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	—	—
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	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	—	6.4
MW-3	06/03/97	329.36	7.92	321.44	ND<250	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	490	—	—
QC-1 (f)	06/03/97	—	—	—	321.44	100	ND<2.5	ND<5.0	ND<5.0	ND<5.0	84	—	6.2
MW-3	09/16/97	329.36	6.67	322.69	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	74.0	—	5.9
MW-3	12/03/97	329.36	6.81	322.55	ND<50	330	ND<2.5	ND<5.0	ND<5.0	ND<5.0	—	—	—
QC-1 (f)	12/03/97	—	—	—	ND<50	ND<200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<50	—	5.5
MW-3	06/26/98	329.36	5.08	324.28	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	—	5.0
MW-3	—	—	—	—	ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<10	—	—
MW-3	—	—	—	—	—	—	—	—	—	—	ND<50	—	4.8
MW-3	—	—	—	—	—	—	—	—	—	—	—	—	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	—	—	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	2100	(e)	PACE
QC-1 (f)	11/22/93	—	—	—	1700	—	ND<2.5	ND<2.5	ND<2.5	ND<2.5	—	—	PACE
MW-4	03/07/94	329.45	6.29	323.16	710	1400	0.5	0.8	ND<0.5	ND<0.5	3500	(e)	PACE
QC-1 (f)	03/07/94	—	—	—	1800	—	ND<0.5	ND<0.5	1.4	0.6	5900	(e)	PACE
MW-4	06/09/94	329.45	6.76	322.69	6400	1800	ND<10	ND<10	ND<10	ND<10	4200	(e)	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	10000	(e)	7.5 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	4200	(e)	7.2 PACE
MW-4	03/16/95	329.45	4.66	324.79	1400	960	140	ND<2.5	58	14	—	—	6.1 PACE
MW-4	06/28/95	329.45	5.93	323.52	5000	5400	(g) 240	ND<5.0	220	ND<10	—	—	5.5 ATI
MW-4	09/06/95	329.45	6.83	322.62	4400	4500	ND<13	ND<13	ND<13	ND<25	12000	—	7.4 ATI
MW-4	12/22/95	329.45	6.42	323.03	3800	4700	15	ND<13	ND<13	ND<25	9200	—	7.6 ATI
QC-1 (f)	12/22/95	—	—	—	3900	—	16	ND<13	ND<13	ND<25	8600	—	7.1 ATI
MW-4	08/20/96	329.45	6.01	323.44	—	—	—	—	—	—	—	—	ATI
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	—	7.1 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	—	6.2 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	—	6.0 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	—	5.3 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	—	—
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	—	—	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	—	—	5.7 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	—	—	7.7 PACE
MW-5	12/20/94	329.60	6.63	322.97	—	—	—	—	—	—	—	—	7.2 PACE
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	—	—	—
MW-5	06/28/95	329.60	5.69	323.91	—	—	—	—	—	—	—	—	4.9 ATI
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	—	—	—
MW-5	12/22/95	329.60	6.40	323.20	—	—	—	—	—	—	ND<5.0	—	7.3 ATI
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	—	—	—
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	—	—
MW-5	06/03/97	329.60	8.00	321.60	—	—	—	—	—	—	—	—	5.8 SPL
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	—	—	—
MW-5	12/03/97	329.60	6.99	322.61	—	—	—	—	—	—	27	—	5.4 SPL
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	—	—	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	—	4.2	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	—	7.0	PACE
MW-6	12/20/94	329.55	6.82	322.73	—	—	—	—	—	—	—	6.7	PACE
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	—	—	—
MW-6	06/28/95	329.55	5.97	323.58	—	—	—	—	—	—	—	6.1	ATI
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	—	—	—
MW-6	12/22/95	329.55	6.53	323.02	—	—	—	—	—	—	ND<5.0	7.2	ATI
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	—	—	—
MW-6	10/31/96	329.55	6.52	323.03	—	—	—	—	—	—	ND<10	—	SPL
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	—	—	—
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	—	6.3	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	—	—	—
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	—	—	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	—	3.7	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	—	6.8	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	—	6.5	PACE
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	—	5.9	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	—	7.8	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	8.5	7.5	ATI
MW-7	08/20/96	329.49	6.22	323.27	—	—	—	—	—	—	7.2	6.9	ATI
MW-7	08/21/96	329.49	—	—	ND<50	ND<50	ND<0.5	—	—	—	—	—	—
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	ND<10	—	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	86	6.8	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	59	7.3	SPL
MW-7	06/03/97	329.49	7.80	321.69	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.6	SPL
MW-7	09/16/97	329.49	6.50	322.99	650	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	630	6.8	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	2200	6.0	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	5.0	SPL
												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<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
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

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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