



Alameda County

October 21, 2003

OCT 24 2003

Environmental Health

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

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

Dear Mr. Seery:

On behalf of the Group Environmental Management Company (an affiliated company of BP), URS Corporation (URS) is submitting the *Third 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: Third Quarter 2003 Groundwater Monitoring Report

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

REPORT

Alameda County
OCT 24 2003
Environmental Health

**THIRD QUARTER 2003
GROUNDWATER MONITORING**

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

Prepared for
BP GEM

October 21, 2003

URS

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

38486397

Alameda County

OCT 24 2003

Environmental Health

Date: October 21, 2003

Quarter: 3Q 03

BP QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.: 11120 Address: 6400 Dublin Road, Dublin, CA
BP 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 (Third - 2003):

1. Performed third quarter groundwater monitoring event on September 30, 2003.
2. Prepared and submitted second quarter 2003 groundwater monitoring report

WORK PROPOSED FOR NEXT QUARTER (Fourth - 2003):

1. Perform fourth quarter 2003 groundwater monitoring event.
2. Prepare and submit third quarter 2003 groundwater monitoring report.

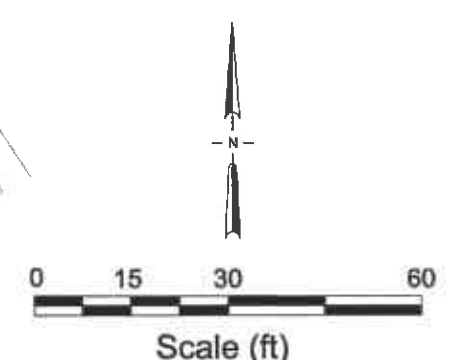
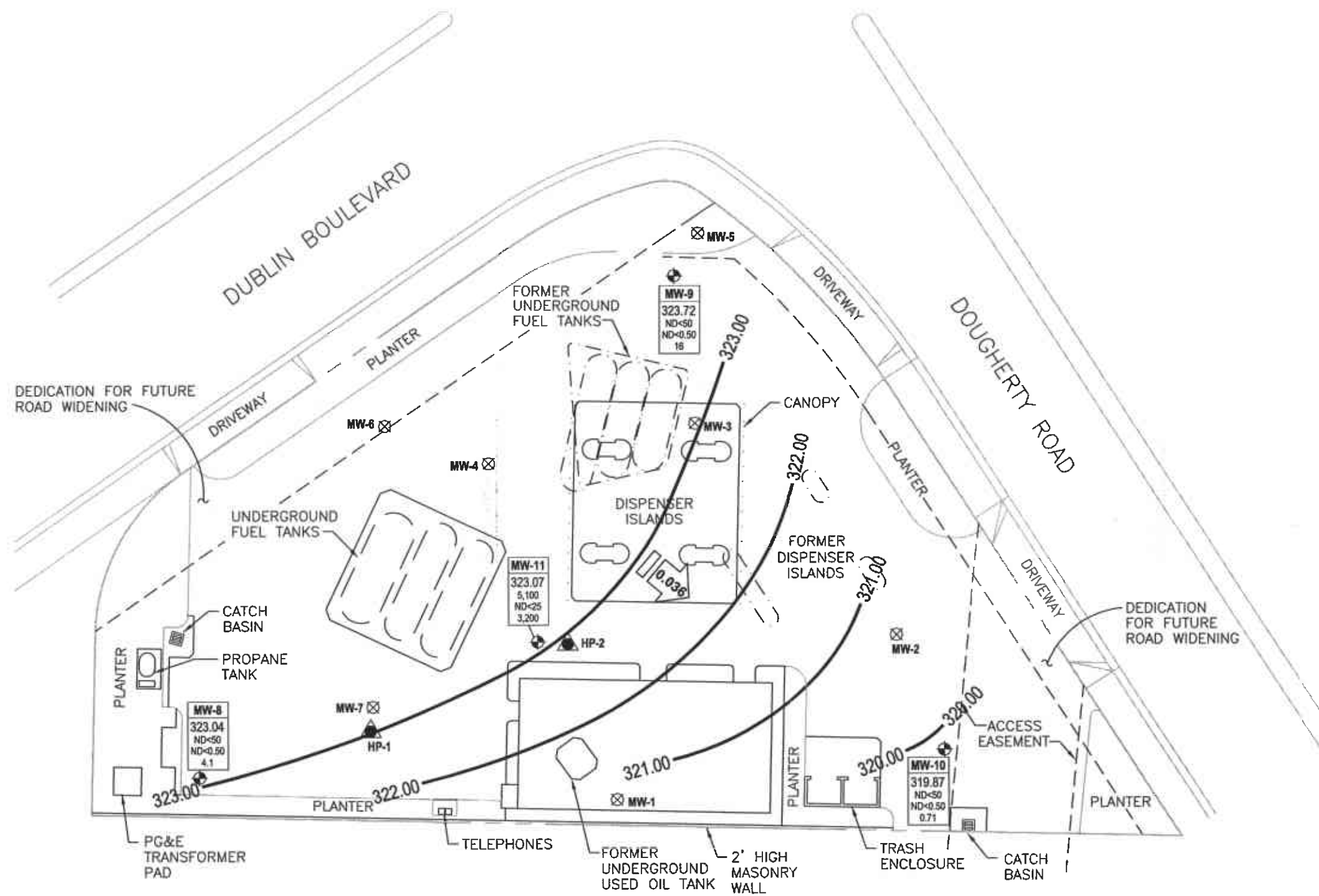
Current Phase of Project: GW monitoring/sampling
Frequency of Groundwater Sampling: Wells MW-8 through MW-11 quarterly
Frequency of Groundwater Monitoring: Quarterly
Is Free Product (FP) Present On-Site: No
Current Remediation Techniques: None
Approximate Depth to Groundwater: 5.90 (MW-8) to 7.57 (MW-10) Feet
Groundwater Gradient (direction): Southeast
Groundwater Gradient (magnitude): 0.036 feet per foot

DISCUSSION:

This quarter samples were analyzed by EPA Method 8260B for TPH-g, BTEX, MTBE and fuel oxygenates. TPH-g was detected above the laboratory reporting limit in one of the four wells sampled this quarter at a concentration of 5,100 µg/L (MW-11). Benzene was not detected above the laboratory reporting limit in any of the four wells sampled. MTBE was detected above the laboratory reporting limit in all four wells at concentrations ranging from 0.71 µg/L (MW-10) to 3,200 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 – September 30, 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)



X:\x_enu\waste\BP_GEM\State\Niles_Sites\1120\Reports\Monitoring\Chr. 3. 2003\Drawings\GWEC_AS_9-30.dwg, 10/21/2003 02:58:14 PM, JOMT, URS

URS	Project No. 38486397	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP	FIGURE 1
	Former BP Station #11120 6400 Dublin Boulevard Dublin, California		

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)	DTW (a) (Feet)	GWE (Feet)	TPH-G (b) (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	2/25/02	328.94	6.02	322.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.98	NA	NA	---	PACE
	9/30/02	328.94	6.16	322.78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.8	2.9	ND (c)	---	SEQ
	12/13/02	328.94	5.81	323.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.4	5.9	ND (c)	---	SEQ
	3/12/03	328.94	5.80	323.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.8	4.3	See Table 2	---	SEQ
	6/28/03 (d)	328.94	5.70	323.24	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	4.1	See Table 2	---	SEQ
	9/30/03	328.94	5.90	323.04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	4.1	See Table 2	---	SEQ
MW-9	2/25/02	329.96	5.90	324.06	ND<250	ND<2.50	ND<2.50	ND<2.50	ND<5.00	ND<2.50	NA	NA	---	PACE
	9/30/02	329.96	6.92	323.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	1.4	ND (c)	---	SEQ
	12/13/02	329.96	6.51	323.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.53	ND (c)	---	SEQ
	3/12/03	329.96	6.86	323.10	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.59	See Table 2	---	SEQ
	6/28/03 (d)	329.96	5.95	324.01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	1.0	See Table 2	---	SEQ
	9/30/03	329.96	6.24	323.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	16	See Table 2	---	SEQ
MW-10	2/25/02	327.44	4.21	323.23	53	2.58	ND<0.5	2.83	8.46	ND<0.5	NA	NA	---	PACE
	9/30/02	327.44	4.71	322.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	0.51	ND (c)	---	SEQ
	12/13/02	327.44	6.36	321.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	ND (c)	---	SEQ
	3/12/03	327.44	7.96	319.48	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.76	See Table 2	---	SEQ
	6/28/03 (d)	327.44	7.70	319.74	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	0.68	See Table 2	---	SEQ
	9/30/03	327.44	7.57	319.87	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	0.71	See Table 2	---	SEQ
MW-11	2/25/02	329.75	6.02	323.73	1,800	1.34	ND<0.5	ND<0.5	ND <1.0	2,550	NA	NA	---	PACE
	9/30/02	329.75	7.12	322.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,400	1,500	ND (e)	---	SEQ
	12/13/02	329.75	6.60	323.15	1,300	ND<10	ND<10	ND<10	ND<10	2,000	1,400	ND (c)	---	SEQ
	3/12/03	329.75	5.79	323.96	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2,900	650	See Table 2	---	SEQ
	6/28/03 (d)	329.75	5.68	324.07	ND<5,000	ND<50	ND<50	ND<50	ND<50	NA	2,500	See Table 2	---	SEQ
	9/30/03	329.75	6.68	323.07	5,100	ND<25	ND<25	ND<25	ND<25	NA	3,200	See Table 2	---	SEQ

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 (8021) (ug/l)	MTBE (8260 B) (ug/l)	Fuel Oxygenates & Pb Scavengers (ug/l)	DO (ppm)	LAB
---------	---------------------------------	----------------------	---------------	---------------	-----------------	-------------	-------------	-------------	-------------	--------------------------	----------------------------	--	-------------	-----

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 at or 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) 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 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	43	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-8	06/28/03	ND<100	ND<20	41	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-8	09/30/03	ND<100	ND<20	40	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-9	03/12/03	ND<100	ND<20	63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-9	06/28/03	ND<100	ND<20	19	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-10	03/12/03	ND<100	ND<20	69	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10	06/28/03	ND<100	ND<20	65	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10	09/30/03	ND<100	ND<20	71	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	ND<5.0	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	2,100	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

NOTE:

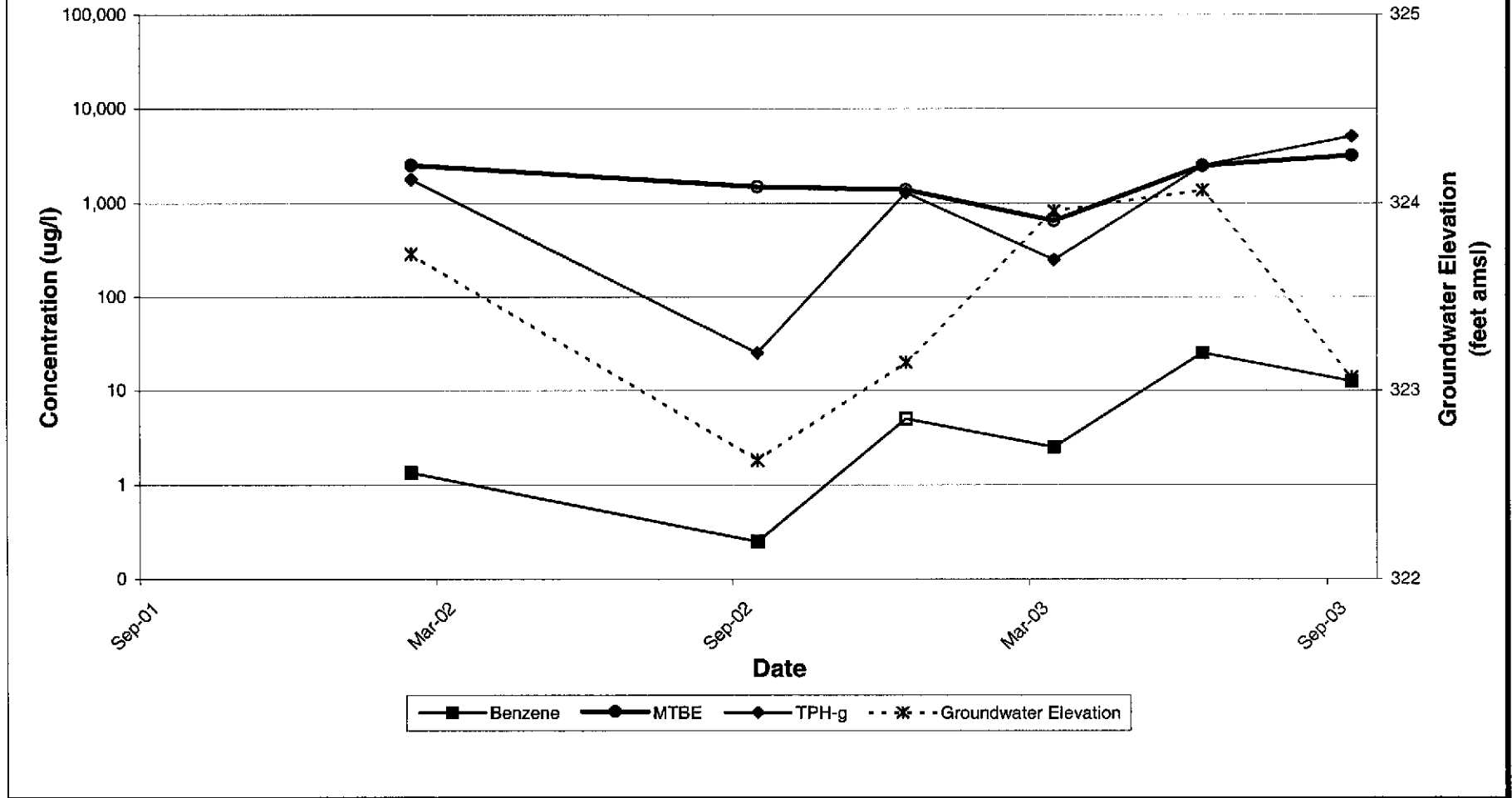
All volatile organic compounds (Ethanol, TBA, MTBE, DIPE, ETBE, TAME, EDC, and EDB) analyzed using EPA Method 8260B

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.

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

Concentration and Water Level Trends (Well MW-11)



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

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 # 030930-DW-1 Date 9-30-03 Client 76 # 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					5.90	19.60	↓
MW-9	2					6.24	19.65	
* MW-10	2					7.57	19.60	
MW-11	2					6.68	19.42	
* under pressure - allowed 5 min for stabilization								

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030930-DW-1	Station # 11120
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.60	Depth to Water: 5.90
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.

<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 µS)	Gals. Removed	Observations
9:33	68.8	7.0	4103	2.2	Brown
9:36	68.4	7.0	3637	4.4	"
9:39	68.9	7.0	3439	6.6	"

Did well dewater? Yes No Gallons actually evacuated: 6.6

Sampling Time: 9:44 Sampling Date: 9-30-03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA, EOP

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 #: 030930-DW-1	Station # 1120
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.65	Depth to Water: 6.24
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.

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

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
10:12	71.2	7.7	1577	2.1	Brown
10:14	70.2	7.6	1371	4.2	
10:16	69.9	7.6	1251	6.3	

Did well dewater? Yes No Gallons actually evacuated: 6.3

Sampling Time: 10:12 | Sampling Date: 9-30-03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA, EOB

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 #: 030930-DW-1	Station # 11120
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.60	Depth to Water: 7.57
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.

<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 μ S)	Gals. Removed	Observations
9:15	67.9	6.8	9014	2	Brown
9:17	68.6	6.8	8859	4	"
9:19	68.8	7.0	8510	6	"

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 9:24 Sampling Date: 9-30-03

Sample I.D.: MW-10 Laboratory: Pace (Sequoyia) Other _____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA, EOPB

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 #: 030930-DW-1	Station # 11/20
Sampler: Dave Walter	Date: 9-30-03
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.42	Depth to Water: 6.68
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.

<u>2.0</u>	x	<u>3</u>	=	<u>6.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
9:52	70.3	7.1	2555	2	Brown
9:54	70.8	7.1	2287	4	"
9:57	70.3	7.1	2250	6	clearing a little

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 10:02 Sampling Date: 9-30-03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxygenates, Ethanol, 1,2-DCA, EOB

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 1120 GWM 030930-DW-1
 BP BU/GEM CO Portfolio Retail
 BP Laboratory Contract Number: Atlantic Richfield Company

On-site Time: <u>8:45</u>	Temp: <u>67°</u>
Off-site Time: <u>10:35</u>	Temp: <u>73°</u>
Sky Conditions: <u>SKARY</u>	
Meteorological Events:	
Wind Speed: <u>0</u>	Direction:

Date: 9-30-03 Requested Due Date (mm/dd/yy) 14 day TAT

end To:	BP/GEM Facility No.: <u>11120</u>	Consultant/Contractor: <u>URS</u>
ab Name: <u>SEQUOIA</u>	BP/GEM Facility Address: <u>6400 Dublin Ave., Dublin, CA</u>	Address: <u>500 12th St., Ste. 200</u>
ab Address: <u>885 Jarvis Dr.</u>	Site ID No. <u>11120</u>	<u>Oakland, CA 94609-4014</u>
<u>Morgan Hill, CA 95037</u>	Site Lat/Long:	e-mail EDD: <u>donna.cosper@URSCorp.com</u>
	California Global ID #: <u>T0600101432</u>	Consultant/Contractor Project No.:
ab PM <u>Theresa Allen</u>	BP/GEM PM Contact: <u>PAUL SUPPLE</u>	Consultant Tele/Fax: <u>510-893-3600/510-874-3268</u>
ele/Fax: <u>408-776-9600 / 408-782-6308</u>	Address: <u>P.O. Box 6549</u>	Consultant/Contractor PM: <u>Leonard Miles</u>
eport Type & QC Level: <u>1 Send EDF Reports</u>	<u>Moraga, CA 94570</u>	Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one)
P/GEM Account No.: <u>400-6-21124</u>	Tele/Fax: <u>925-299-8891/925-299-8872</u>	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, D1PE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)		
1	MW-8	9:44	X				W						X			X	X				
2	MW-9	10:21	X				↓						X			X	X				
3	MW-10	9:24	X				↓						X			X	X				
4	MW-11	10:02	X				↓						X			X	X				
5	TB	-	X				2														"DW HOLD"
6																					
7																					
8																					
9																					
10																					

Sampler's Name: <u>Dave Walter</u>	Relinquished By / Affiliation, <u>David C. Hault</u>	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Blaine Tech Service</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 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:

Station # 11120
 Station Address 6400 Dublin Blvd Dublin, CA

Total Gallons Collected From Groundwater Monitoring Wells:
25

added equip. any other
 rinse water 5 adjustments _____

TOTAL GALS. loaded onto
RECOVERED 30 BTS vehicle # 47

BTS event # time date
030930-00-1 10:40 9/30/03

signature David Chalt

 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 Group Environmental Management Company have been reviewed and verified by that laboratory.



16 October, 2003

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

RE: BP Heritage #11120, Dublin, CA
Work Order: MMJ0085

Enclosed are the results of analyses for samples received by the laboratory on 10/01/03 17:57. 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 200
Oakland CA, 94607

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

MMJ0085
Reported:
10/16/03 08:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MMJ0085-01	Water	09/30/03 09:44	10/01/03 17:57
MW-9	MMJ0085-02	Water	09/30/03 10:21	10/01/03 17:57
MW-10	MMJ0085-03	Water	09/30/03 09:24	10/01/03 17:57
MW-11	MMJ0085-04	Water	09/30/03 10:02	10/01/03 17:57
TB	MMJ0085-05	Water	09/30/03 00:00	10/01/03 17:57

There were custody seals received with this project.

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

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

 MMJ0085
 Reported:
 10/16/03 08:32

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

MW-10 (MMJ0085-03) Water Sampled: 09/30/03 09:24 Received: 10/01/03 17:57

Ethanol	ND	100	ug/l	1	3J14001	10/14/03	10/14/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	0.71	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

103 % 78-129

" " " "

MW-11 (MMJ0085-04) Water Sampled: 09/30/03 10:02 Received: 10/01/03 17:57

Ethanol	ND	5000	ug/l	50	3J14001	10/14/03	10/14/03	EPA 8260B	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	3200	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
Benzene	ND	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	25	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	5100	2500	"	"	"	"	"	"	HC-19

Surrogate: 1,2-Dichloroethane-d4

105 % 78-129

" " " "

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

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

 MMJ0085
 Reported:
 10/16/03 08:32

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 3J14001 - EPA 5030B P/T
Blank (3J14001-BLK1)

Prepared & Analyzed: 10/14/03

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>	4.96		"	5.00		99.2	78-129			

Laboratory Control Sample (3J14001-BS1)

Prepared & Analyzed: 10/14/03

Ethanol	173	100	ug/l	200		86.5	31-186			
tert-Butyl alcohol	56.6	20	"	50.0		113	0-206			
Methyl tert-butyl ether	8.70	0.50	"	10.0		87.0	63-137			
Di-isopropyl ether	9.04	0.50	"	10.0		90.4	76-130			
Ethyl tert-butyl ether	8.64	0.50	"	10.0		86.4	61-141			
tert-Amyl methyl ether	8.70	0.50	"	10.0		87.0	56-140			
1,2-Dichloroethane	9.59	0.50	"	10.0		95.9	77-136			
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0		107	77-132			
Benzene	9.03	0.50	"	10.0		90.3	78-124			
Toluene	9.57	0.50	"	10.0		95.7	78-129			
Ethylbenzene	9.97	0.50	"	10.0		99.7	84-117			
Xylenes (total)	32.1	0.50	"	30.0		107	83-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.87		"	5.00		97.4	78-129			

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

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

 MMJ0085
 Reported:
 10/16/03 08:32

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 3J14001 - EPA 5030B P/T
Laboratory Control Sample (3J14001-BS2)

Prepared & Analyzed: 10/14/03

Gasoline Range Organics (C6-C10)	389	50	ug/l	440		88.4	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.93</i>		"	<i>5.00</i>		<i>98.6</i>	<i>78-129</i>			

Laboratory Control Sample Dup (3J14001-BSD1)

Prepared: 10/14/03 Analyzed: 10/15/03

Ethanol	183	100	ug/l	200		91.5	31-186	5.62	37	
tert-Butyl alcohol	51.4	20	"	50.0		103	0-206	9.63	22	O-09
Methyl tert-butyl ether	8.29	0.50	"	10.0		82.9	63-137	4.83	13	
Di-isopropyl ether	8.33	0.50	"	10.0		83.3	76-130	8.18	9	
Ethyl tert-butyl ether	8.36	0.50	"	10.0		83.6	61-141	3.29	9	
tert-Amyl methyl ether	8.30	0.50	"	10.0		83.0	56-140	4.71	12	
1,2-Dichloroethane	10.1	0.50	"	10.0		101	77-136	5.18	13	
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0		107	77-132	0.00	9	
Benzene	8.98	0.50	"	10.0		89.8	78-124	0.555	12	
Toluene	9.37	0.50	"	10.0		93.7	78-129	2.11	10	
Ethylbenzene	9.79	0.50	"	10.0		97.9	84-117	1.82	10	
Xylenes (total)	32.2	0.50	"	30.0		107	83-125	0.311	11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.18</i>		"	<i>5.00</i>		<i>104</i>	<i>78-129</i>			

Laboratory Control Sample Dup (3J14001-BSD2)

Prepared: 10/14/03 Analyzed: 10/15/03

Gasoline Range Organics (C6-C10)	410	50	ug/l	440		93.2	70-113	5.26	9	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.13</i>		"	<i>5.00</i>		<i>103</i>	<i>78-129</i>			

Matrix Spike (3J14001-MS1)

Source: MMJ0086-01

Prepared & Analyzed: 10/14/03

Methyl tert-butyl ether	397	25	ug/l	504	ND	78.8	63-137			
Benzene	261	25	"	324	ND	80.6	78-124			
Toluene	1650	25	"	1480	ND	111	78-129			
Ethylbenzene	372	25	"	360	ND	103	84-117			
Xylenes (total)	1990	25	"	1680	ND	118	83-125			
Gasoline Range Organics (C6-C10)	20100	2500	"	22000	ND	91.4	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.20</i>		"	<i>5.00</i>		<i>104</i>	<i>78-129</i>			

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

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

 MMJ0085
 Reported:
 10/16/03 08:32

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 3J14001 - EPA 5030B P/T

Matrix Spike Dup (3J14001-MSD1)	Source: MMJ0086-01			Prepared & Analyzed: 10/14/03						
Methyl tert-butyl ether	400	25	ug/l	504	ND	79.4	63-137	0.753	13	
Benzene	260	25	"	324	ND	80.2	78-124	0.384	12	
Toluene	1690	25	"	1480	ND	114	78-129	2.40	10	
Ethylbenzene	386	25	"	360	ND	107	84-117	3.69	10	
Xylenes (total)	2070	25	"	1680	ND	123	83-125	3.94	11	
Gasoline Range Organics (C6-C10)	20500	2500	"	22000	ND	93.2	70-113	1.97	9	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.00</i>		<i>"</i>	<i>5.00</i>		<i>100</i>	<i>78-129</i>			



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

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

MMJ0085
Reported:
10/16/03 08:32

Notes and Definitions

HC-19 Discrete peak @ C6-C7.

O-09 The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

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 1120 GWM 030930-DW-1
 BP BU/GEM CO Portfolio Retail
 BP Laboratory Contract Number: Atlantic Richfield Company

Date: 9-30-03 Requested Due Date (mm/dd/yy) 14 day TAT

mmj0085

On-site Time: 8:45 Temp: 67°
 Off-site Time: 10:35 Temp: 73°
 Sky Conditions: Sunny
 Meteorological Events: _____
 Wind Speed: 0 Direction: _____

Send To:	BP/GEM Facility No.: <u>1120</u>	Consultant/Contractor: <u>URS</u>
Lab Name: <u>SEQUOIA</u>	BP/GEM Facility Address: <u>8400 Dublin Ave., Dublin, CA</u>	Address: <u>500 12th St., Ste. 200</u>
Lab Address: <u>885 Jarvis Dr.</u>	Site ID No.: <u>1120</u>	<u>Oakland, CA 94609-4014</u>
<u>Morgan Hill, CA 95037</u>	Site Lat/Long: _____	e-mail EDI: <u>doona.cosper@URSCorp.com</u>
Lab PM: <u>Theresa Allen</u>	California Global ID #: <u>T0600101432</u>	Consultant/Contractor Project No.: _____
Tel/Fax: <u>408-776-9600 / 408-782-6308</u>	BP/GEM PM Contact: <u>PAUL SUPPLE</u>	Consultant Tele/Fax: <u>510-893-3600/510-874-3268</u>
Report Type & QC Level: <u>I Send EDI Reports</u>	Address: <u>P.O. Box 6549</u>	Consultant/Contractor PM: <u>Leonard Niles</u>
BP/GEM Account No.: <u>400-6-21124</u>	<u>Moraga, CA 94570</u>	Invoice to: Consultant/Contractor of <u>BP/GEM</u> (circle one)
	Tel/Fax: <u>925-299-8891/925-299-8872</u>	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 (8260)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE (8260)		DIPE, TBA (8260)
1	MW-8	9:44		X			mmj0085-01	3						X	X	X	X		
2	MW-9	10:21		X			-02	↓						X	X	X	X		
3	MW-10	9:24		X			-03	↓						X	X	X	X		
4	MW-11	10:02		X			-04	↓						X	X	X	X		
5	TB	-		X			-05	2											"ON HOLD"
6																			
7																			
8																			
9																			
10																			

Sampler's Name: <u>Dave Walter</u>	Relinquished By / Affiliation: <u>Dave Walter</u>	Date: <u>9/1/03</u>	Time: <u>13:54</u>	Accepted By / Affiliation: <u>Cheryl Jensen</u>	Date: <u>9/1/03</u>	Time: <u>17:57</u>
Sampler's Company: <u>Blaine Tech Services</u>						
Shipment Date: _____						
Shipping Method: _____						
Tracking No: _____						

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

Temperature Blank Yes No Cooler Temperature on Receipt 36° (C) Trip Blank Yes No

BP CUC Rev. 1 2501

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
 REC. BY (PRINT): AJ
 WORKORDER: MM10085

DATE REC'D AT LAB: 10-1-03
 TIME REC'D AT LAB: 1757
 DATE LOGGED IN: 10-3-03

Drinking water for regulatory purposes: YES/NO YES NO
 Wastewater for regulatory purposes: YES/NO YES NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLER #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLER MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) <input checked="" type="radio"/> Present <input type="radio"/> Absent <input checked="" type="radio"/> Intact <input type="radio"/> Broken*	01		MW-8	(3) VOCs	HA	L	9-30-03	lot HA 324800
2. Chain-of-Custody <input checked="" type="radio"/> Present <input type="radio"/> Absent*	02		MW-9	↓	↓	↓	↓	
3. Traffic Reports or Packing List: <input checked="" type="radio"/> Present <input type="radio"/> Absent	03		MW-10	↓	↓	↓	↓	
4. Airbill: <input type="radio"/> Airbill / Sticker <input checked="" type="radio"/> Present / Absent	04		MW-11	↓	↓	↓	↓	
5. Airbill #:	05		TB	(2) VOCs	↓	↓	↓	
6. Sample Labels: <input checked="" type="radio"/> Present <input type="radio"/> Absent								
7. Sample IDs: <input checked="" type="radio"/> Listed <input type="radio"/> Not Listed on Chain-of-Custody								
8. Sample Condition: <input checked="" type="radio"/> Intact <input type="radio"/> Broken* / <input type="radio"/> Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes <input type="radio"/> No*								
10. Sample received within hold time: <input checked="" type="radio"/> Yes <input type="radio"/> No*								
11. Proper Preservatives used: <input checked="" type="radio"/> Yes <input type="radio"/> No*								
12. Temp Rec. at Lab: <u>36°C</u> Is temp 4 ± 2°C? <input checked="" type="radio"/> Yes <input type="radio"/> No**								
(Acceptance range for samples requiring thermal pres.)								
**Exception (if any): Metals / DFF (Direct From Field) or Problem COC								

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

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

10/16/03

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:	MMJ0085
Global ID:	T0600101432
Lab Report Number:	MMJ0085101620030832

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Labiocfl	Run Sub
MMJ00851016200	MW-10 30832	MMJ008503	W	CS	8260TPH	SW5030B	09/30/03	10/14/03	10/14/03	3J14001	1
MMJ00851016200	MW-11 30832	MMJ008504	W	CS	8260TPH	SW5030B	09/30/03	10/14/03	10/14/03	3J14001	1
MMJ00851016200	MW-8 30832	MMJ008501	W	CS	8260TPH	SW5030B	09/30/03	10/14/03	10/14/03	3J14001	1
MMJ00851016200	MW-9 30832	MMJ008502	W	CS	8260TPH	SW5030B	09/30/03	10/14/03	10/14/03	3J14001	1
		MMJ008601	W	NC	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1
		3J14001BSD1	WQ	BD1	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14001	1
		3J14001BSD2	WQ	BD2	8260TPH	SW5030B	//	10/14/03	10/15/03	3J14001	1
		3J14001BS1	WQ	BS1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1
		3J14001BS2	WQ	BS2	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1
		3J14001BLK1	WQ	LB1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1
		3J14001MS1	W	MS1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1
		3J14001MSD1	W	SD1	8260TPH	SW5030B	//	10/14/03	10/14/03	3J14001	1

EDFSAMP: Error Summary Log

10/16/03

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

EDFTEST: Error Summary Log

10/16/03

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

EDFRES: Error Summary Log

10/16/03

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

EDFQC: Error Summary Log

10/16/03

Error type	Lablctcl	Anmcode	Parlabel	Qccode	Labqid
There are no errors in this data files					

EDFCL: Error Summary Log

10/16/03

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: Third Quarter 03 Geowell for site #11220

Submittal Date/Time: 10/16/2003 1:57:08 PM

Confirmation Number: 8703953385

[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 successfully uploaded!

Confirmation Number: 9842647671

Date/Time of Submittal: 10/16/2003 1:58:21 PM

Facility Global ID: T0600101432

Facility Name: BP

Submittal Title: Third Quarter 03 Ground Water Monitoring 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

ALJSTO 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	---	---	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	---	---	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	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	7.8	PACE
MW-1	03/16/95	328.96	4.37	324.59	ND<50	ND<500	---	---	---	---	---	---	---
MW-1	06/28/95	328.96	5.35	323.61	---	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	5.6	ATI
MW-1	09/08/95	328.96	6.44	322.52	ND<50	---	---	---	---	---	---	---	---
MW-1	12/22/95	328.96	6.04	322.92	---	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.4	ATI
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	---	---	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	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	7.5	PACE
MW-2	03/16/95	328.50	3.77	324.73	ND<50	ND<500	---	---	---	---	---	---	---
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	---	---	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	ND<50	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---
MW-2	10/31/96	328.50	5.44	323.06	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	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	---	---	---	---	---	---	---	---	---
MW-2	06/03/97	328.50	7.14	321.36	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.8	SPL
MW-2	09/16/97	328.50	6.10	322.40	---	---	---	---	---	---	---	---	---
MW-2	12/03/97	328.50	6.22	322.28	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	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 (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	---	---	---
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	---	---	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) ---	PACE
MW-3	03/07/94	329.36	6.08	323.28	1300	5000	22	4.0	2.2	3.8	910	(e) ---	PACE
MW-3	06/09/94	329.36	6.51	322.85	8500	2600	25	8.3	0.5	15	7200	(e) 3.7	PACE
QC-1 (f)	09/12/94	---	---	---	8800	---	23	6.3	0.5	10	13000	(e) 7.2	PACE
QC-1 (f)	09/12/94	---	---	321.73	2100	3200	ND<5.0	ND<5.0	8.8	20	13000	(e) ---	PACE
MW-3	12/20/94	329.36	---	---	1800	---	ND<5.0	ND<5.0	8.0	10	3800	(e) 7.3	PACE
QC-1 (f)	12/20/94	---	6.41	322.95	18000	9600	79	28	89	9.3	3900	(e) ---	PACE
MW-3	03/16/95	329.36	---	---	17000	---	79	33	80	9.3	---	7.3	PACE
QC-1 (f)	03/16/95	---	4.39	324.97	6300	7000	470	ND<5.0	210	ND<2.5	---	---	PACE
MW-3	06/28/95	329.36	5.50	---	6300	---	500	ND<5.0	230	9.9	---	5.5	ATI
QC-1 (f)	06/28/95	---	---	323.86	9000	3000	(g) ND<10	ND<10	ND<10	13	---	---	ATI
MW-3	09/06/95	329.36	---	---	8800	---	(g) ND<10	ND<10	ND<10	ND<20	---	7.4	ATI
QC-1 (f)	09/06/95	---	6.66	322.70	10000	2800	ND<50	ND<50	ND<50	ND<20	---	---	ATI
MW-3	12/22/95	329.36	---	---	9700	---	ND<50	ND<50	ND<50	ND<100	37000	7.1	ATI
MW-3	09/20/96	329.36	6.31	323.05	9200	2500	ND<50	ND<50	ND<50	ND<100	36000	---	ATI
MW-3	08/21/96	329.36	5.87	323.49	---	---	ND<50	ND<50	ND<50	ND<100	29000	6.7	ATI
QC-1 (f)	08/21/96	---	---	---	3700	1900	ND<25	ND<50	---	---	---	---	---
MW-3	10/31/96	329.36	---	---	3500	---	ND<25	ND<50	ND<50	ND<50	4100	6.8	SPL
QC-1 (f)	10/31/96	---	6.20	323.16	ND<250	ND<500	ND<2.5	ND<5.0	ND<5.0	ND<5.0	4000	---	SPL
MW-3	12/02/96	329.36	---	---	ND<250	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	6.8	SPL
QC-1 (f)	12/02/96	---	6.27	323.09	ND<250	50	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	---	---
MW-3	03/27/97	329.36	---	---	ND<250	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	6.4	SPL
MW-3	06/03/97	329.36	5.39	323.97	470	ND<100	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	---	---
QC-1 (f)	06/03/97	---	7.92	321.44	ND<250	100	ND<2.5	ND<5.0	ND<1.0	ND<1.0	490	6.2	SPL
MW-3	09/16/97	329.36	---	---	ND<250	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	84	5.9	SPL
MW-3	12/03/97	329.36	6.87	322.69	ND<50	330	ND<2.5	ND<5.0	ND<5.0	ND<5.0	74.0	---	---
QC-1 (f)	12/03/97	---	6.81	322.55	ND<50	ND<200	ND<0.5	ND<1.0	ND<5.0	ND<5.0	ND<50	5.5	SPL
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	SPL
					ND<250	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<10	---	SPL
											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	—	—	
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)	PACE
QC-1 (f)	03/07/94	—	—	—	1800	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	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)	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)	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	—	—	PACE
MW-4	03/16/95	329.45	4.66	324.79	1400	960	140	ND<2.5	58	14	—	—	PACE
MW-4	06/28/95	329.45	5.93	323.52	5000	5400	(g) 240	ND<5.0	220	ND<10	—	—	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	08/20/96	329.45	6.01	323.44	—	—	—	—	—	—	—	—	—
MW-4	08/21/96	329.45	—	—	ND<250	470	ND<12	ND<25	ND<25	ND<25	ND<250	7.7	SPL
MW-4	10/31/96	329.45	6.37	323.08	ND<250	1600	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	7.1	SPL
MW-4	12/02/96	329.45	6.71	322.74	ND<50	13000	ND<5	ND<10	ND<10	ND<10	2200	7.3	SPL
MW-4	03/27/97	329.45	5.70	323.75	8300	1500	44	ND<25	ND<25	ND<25	8000	6.2	SPL
QC-1 (f)	03/27/97	—	—	—	6900	—	51	ND<25	ND<25	ND<25	8500	—	SPL
MW-4	06/03/97	329.45	8.37	321.08	2800	270	62	ND<1.0	ND<1.0	ND<1.0	7000	7.1	SPL
MW-4	09/16/97	329.45	6.91	322.54	110	1800	0.80	ND<1.0	ND<1.0	ND<1.0	7700	6.2	SPL
QC-1 (f)	09/16/97	—	—	—	130	—	1.2	ND<1.0	ND<1.0	ND<1.0	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	—	—	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	—	—	—	—	—	—	—	—	—
MW-5	09/06/95	329.60	6.82	322.78	—	—	—	—	—	—	—	4.9	ATI
MW-5	12/22/95	329.60	6.40	323.20	ND<50	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.3	ATI
MW-5	08/20/96	329.60	5.98	323.62	—	—	—	—	—	—	—	—	—
MW-5	08/21/96	329.60	—	—	—	—	—	—	—	—	—	—	—
MW-5	10/31/96	329.60	6.29	323.31	ND<50	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	6.9	SPL
MW-5	12/02/96	329.60	6.37	323.23	—	—	—	—	—	—	—	—	—
MW-5	03/27/97	329.60	5.33	324.27	—	—	—	—	—	—	—	—	—
MW-5	06/03/97	329.60	8.00	321.60	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	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
 6100 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-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	—	—	—
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	06/08/94	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	—	—	—	—	—
MW-6	12/22/95	329.55	6.53	323.02	—	—	—	—	ND<0.50	ND<1.0	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	—	—	—	—	—
MW-6	10/31/96	329.55	6.52	323.03	—	—	—	—	ND<1.0	ND<1.0	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	—	—	—	—	—
MW-6	06/03/97	329.55	8.19	321.36	—	—	—	—	ND<1.0	ND<1.0	ND<10	6.3	SPL
MW-6	09/16/97	329.55	6.95	322.60	ND<250	680	ND<2.5	ND<5.0	—	—	—	—	—
MW-6	12/03/97	329.55	7.22	322.33	—	—	—	—	ND<5.0	ND<5.0	ND<50	5.5	SPL
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	—	—
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	—	—	—	—	ND<0.50	ND<1.0	7.2	6.9	ATI
MW-7	08/21/96	329.49	—	—	ND<50	ND<50	—	—	—	—	—	—	—
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	650	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	—	—	—	—	ND<1.0	ND<1.0	630	6.8	SPL
MW-7	12/03/97	329.49	6.86	322.83	ND<50	ND<100	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<0.5	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.

FO1110-170170-5-4.WQ2

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

F:\01\10-170\10-170EC.WQ2