URS

February 24, 2003

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

Re: Third Quarter 2002 Groundwater Monitoring Report
Former BP Service Station # 11120
6400 Dublin Road
Dublin, California
URS Project #38486244

Dear Ms. Chu

On behalf of BP (an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Third Quarter 2002 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 (510) 874-1720.

Sincerely,

URS CORPORATION

CERTIFIED HYDROGEOLOGIST
LEONARD P. NILES
NO. HG357
EXP. 3/31/04
STATE OF CALIFORNIA

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

Enclosure: Third Quarter 2002 Groundwater Monitoring Report

cc: Scott Hooton, BP GEM, Environmental Resources Management, 295 SW 41st Street, Building 13, Suite N, Renton, WA 98055-4931.
Ms. Liz Sewell, ConocoPhilips, 76 Broadway, Sacramento, CA 95212

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

REPORT

THIRD QUARTER 2002 GROUNDWATER MONITORING

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

Prepared for
BP GEM

February 24, 2002

URS

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

38485999

URS

Date: February 24, 2003
Quarter: 3Q02

BP QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.: 11120 Address: 6400 Dublin Road, Dublin, CA
BP Environmental Engineer: Scott Hooton
Consulting Co./Contact Person: URS Corporation / Leonard Niles
Consultant Project No.: 38485999
Primary Agency/Regulatory ID No.: Alameda County Health Care Services

WORK PERFORMED THIS QUARTER (Third – 2002):

1. Performed third quarter 2002 groundwater monitoring event on September 30, 2002

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2002):

1. Perform fourth quarter 2002 groundwater monitoring event.
2. Prepare and submit third quarter 2002 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: 4.71 (MW-10) to 7.12 (MW-11) Feet
Groundwater Gradient (direction): South-southwest
Groundwater Gradient (magnitude): 0.004 feet per foot

DISCUSSION:

TPH-g and benzene were not detected in any of the four wells sampled. MTBE was detected in all four wells sampled at concentrations ranging from 2.8 µg/L (MW-10) to 1,500 µg/L (MW-11). Groundwater flow direction was generally to the south at a calculated hydraulic gradient of 0.004 feet per foot.

Per ACHS letter of June 24, 2002, fuel oxygenates and lead scavengers were also analyzed by EPA meathod 8260 B. Since MTBE was analyzed by both EPA meathods 8021 B and 8260 B, the higher concentration was used in the Discussion, and Figure 1 (see Table 1)

URS

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1– Groundwater Elevation Contour and Analytical Summary Map – September 30, 2002
- 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 (Feet) (a)	DTW (Feet)	GWE (Feet) (b)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	MTBE(c) (8260 B) (ug/l)	Additional Oxygenates & Pb Scavengers(d) (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 (e)**	—	**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 (e)**	—	**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 (e)**	—	**SEQ**
MW-11	2/25/2002	329.75	6.02	323.73	1800	1.34	ND<0.5	ND<0.5	ND <1.0	2550	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**	**1400**	**1500**	**ND (e)**	—	**SEQ**

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.

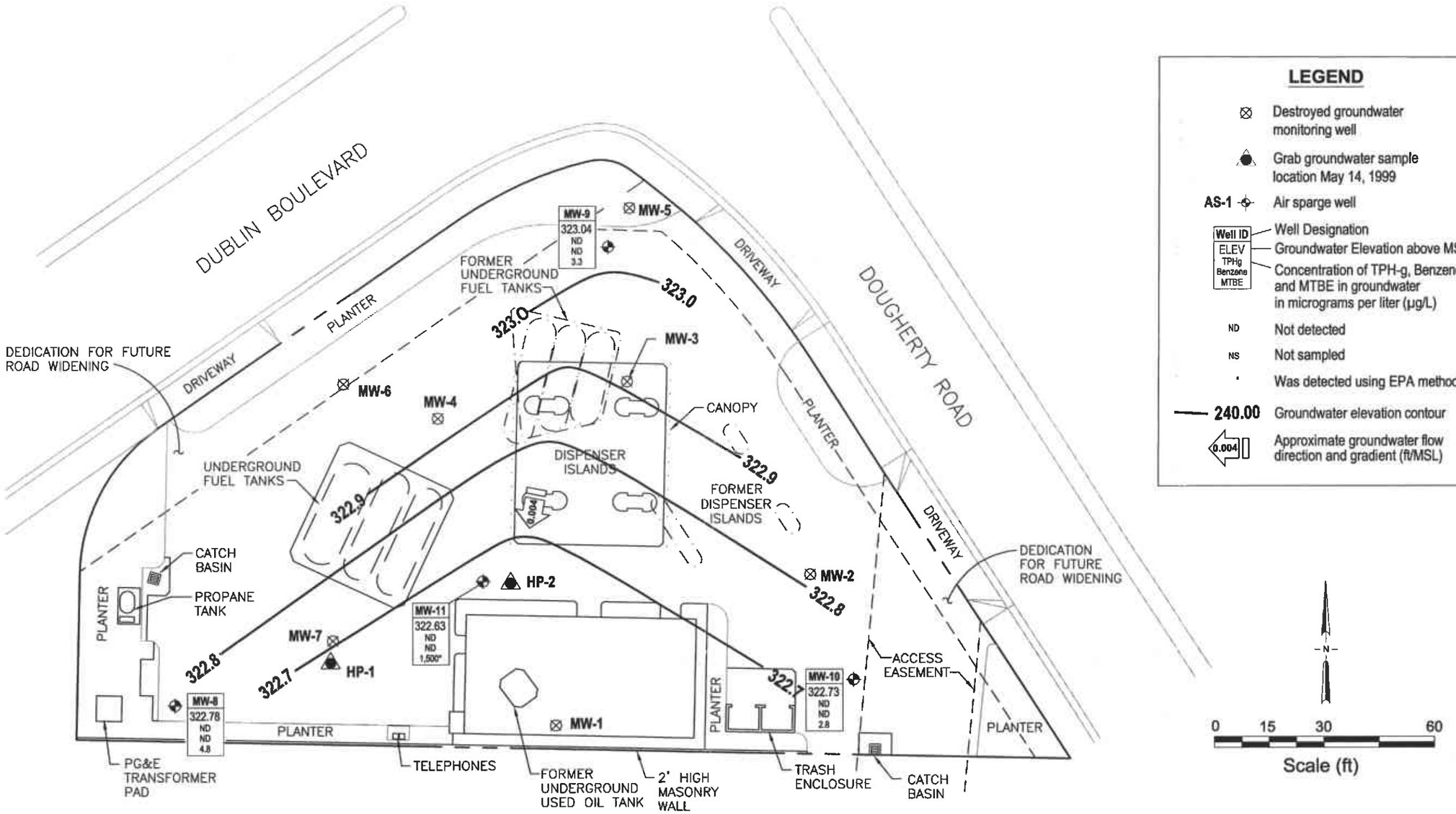
(b) Groundwater elevations in feet above mean sea level.

(c) Analyzed by EPA method 8260 B

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

(e) Not detected above laboratory reporting limit, refer to analytical reports

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.



LEGEND

- ⊗ Destroyed groundwater monitoring well
- Grab groundwater sample location May 14, 1999
- AS-1 Air sparge well
- Well ID / ELEV / TPHg / Benzene / MTBE — Well Designation; Groundwater Elevation above MSL; Concentration of TPH-g, Benzene and MTBE in groundwater in micrograms per liter (µg/L)
- ND Not detected
- NS Not sampled
- * Was detected using EPA method 8260
- 240.00 Groundwater elevation contour
- 0.004 Approximate groundwater flow direction and gradient (ft/MSL)

URS	Project No. 38486244 Former BP Station #11120 6200 Dublin Boulevard Dublin, California	Groundwater Elevation Contour and Analytical Summary Map Third Quarter 2002 (September 30, 2002)	FIGURE 1

X:\e_env_waste\BP GEM\Sites\LNiles Sites\111120-rnew\Records\Monitoring\Qtr.3.2002\Drawings\GWEC-AS_9-30.dwg

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

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

WELL GAUGING DATA

Project # 020930-EM2 Date 9/30/02 Client BP/Arco 11120

Site 6400 Dublin Blvd, Dublin

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-8	2					6.16	19.62	TOC	
MW-9	2					6.92	19.61		
MW-10	2					4.71	19.60		
MW-11	2					7.12	19.43		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020930 - EM2	Station # 11120
Sampler: EM	Date: 9/30/02
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.62	Depth to Water: 6.16
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method:
Bailer
Disposable Bailer
(Middleburg)
Electric Submersible
Extraction Pump
Other: _____

Sampling Method:
Bailer
(Disposable Bailer)
Extraction Port
Other: _____

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
13:25	69.6	7.2	3542	2.1	very Turbid
13:27	69.7	7.2	3498	4.2	"
13:28	69.8	7.2	3498	6.3	clearing

Did well dewater? Yes (No) Gallons actually evacuated: 6.3

Sampling Time: 13:33 Sampling Date: 9/30/02

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: Refer to SOW

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 #: 020930 - EM2	Station # 11120
Sampler: EM	Date: 9/30/02
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.61	Depth to Water: 6.92
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 / (Middleburg) / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

Top of Screen: ___

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

2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
14:14	70.0	7.9	1477	2	Gray
14:15	69.6	7.8	1393	4	"
14:17	69.5	7.8	1394	6	"

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 14:25 Sampling Date: 9/30/02

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: Refer to SOW

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 #: 020930-EM2	Station # 11120
Sampler: EM	Date: 9/30/02
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.60	Depth to Water: 4.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / (Middleburg) / ~~Electric Submersible~~ / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
12:48	71.3	7.2	7963	2.5	Brown
12:50	70.5	7.2	8380	5	"
12:52	70.9	7.2	7874	7.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 12:58 Sampling Date: 9/30/02

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: Refer to SOW

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 #: 020930 - EM2	Station # 11120
Sampler: EM	Date: 9/30/02
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.43	Depth to Water: 7.12
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 / (Middleburg) / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

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

1.9 (1 Case Volume (Gals.)) X ___ (Specified Volumes) = 5.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
13:50	70.5	7.3	2437	2	Grayish
13:52	70.3	7.3	2354	4	"
13:54	70.3	7.2	2331	6	"

Did well dewater? Yes (No)	Gallons actually evacuated: 6
Sampling Time: 14:00	Sampling Date: 9/30/02
Sample I.D.: MW-11	Laboratory: Pace (Sequoia) Other ___
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:	Refer to SOW

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

bp

Chain of Custody Record

Project Name 020930-EM2
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Requested Due Date (mm/dd/yy) 9/30/02

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

To:	
Name: SEQUOIA	
Address: 885 Jarvis Dr.	
Morgan Hill, CA 95037	
Attn: Latonya Pelt	
Tel: 408-776-9600 / 408-782-6308	
Report Type & QC Level: Send EDF Reports	
GEM Account No.: 400-6-21124	
Battle Order No:	

BP/GEM Facility No.:	
BP/GEM Facility Address: 6400 Dublin Ave., Dublin, CA	
Site ID No. 11120	
Site Lat/Long:	
California Global ID #:	
BP/GEM PM Contact: Scott Hooton	
Address:	
Tele/Fax:	

Consultant/Contractor: URS	
Address: 500 12th St., Ste. 200	
Oakland, CA 94609-4014	
e-mail EDD: syed_rehan@urscorp.com	
Consultant/Contractor Project No.:	
Consultant Tele/Fax: 510-874-3115 / 510-874-3268	
Consultant/Contractor PM: Robert Horwath	
Invoice to: Consultant/Contractor or BP/GEM (circle one)	
BP/GEM Work Release No:	

No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	Requested Analysis: TPH -D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: [illegible]	Requested Analysis: Ethanol	Sample Point Lat/Long and Comments
	MW-8	13:35		X				6				X	X		X	X	X	[illegible]	X	
	MW-9	14:25		X				6				X	X		X	X	X	[illegible]	X	
	MW-10	12:50		X				6				X	X		X	X	X	[illegible]	X	
	MW-11	15:00		X				6				X	X		X	X	X	[illegible]	X	

Sampler's Name: Eric McReynolds	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech Services	Eric McReynolds					
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___

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

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client Arco / BP Inspection Date 9/30/02

Site Address 6400 Dublin Blvd Inspected By Em

1. Lid on box?	6. Casing secure?	12. Water standing in wellbox?	15. Well cap functional?
2. Lid broken?	7. Casing cut level?	12a. Standing above the top of casing?	16. Can cap be pulled loose?
3. Lid bolts missing?	8. Debris in wellbox?	12b. Standing below the top of casing?	17. Can cap seal out water?
4. Lid bolts stripped?	9. Wellbox is too far above grade?	12c. Water even with the top of casing?	18. Padlock present?
5. Lid seal intact?	10. Wellbox is too far below grade?	13. Well cap present?	19. Padlock functional?
	11. Wellbox is crushed/damaged?	14. Well cap found secure?	

☐ Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken
MW-8	~~Broken~~	~~Replaced lock~~
	Lid will not secure w/ lock on.	

Note below all defiencies that could not be corrected and still need to be corrected.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected
		BTS can cut casing or raise wellbox if requested.		

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

11120

Station #

6400 Dublin Blvd Dublin CA

Station Address

Total Gallons Collected From Groundwater Monitoring Wells: 26

added equip. rinse water 5

any other adjustments ______

TOTAL GALS. RECOVERED 31

loaded onto BTS vehicle # 15

BTS event # 020930-EM2

time 14:45

date 9/30/02

signature [signature]

* *

REC'D AT ______ time ______ date __/__/__

unloaded by signature ______

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia Analytical

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

17 October, 2002

Robert Horwath
URS Corporation
500 12th Street, Suite 100
Oakland, CA 94607

RE: BP Heritage Site #11120, Dublin, CA
Sequoia Report: MLJ0075

Enclosed are the results of analyses for samples received by the laboratory on 10/01/02 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MLJ0075-01	Water	09/30/02 13:33	10/01/02 16:55
MW-9	MLJ0075-02	Water	09/30/02 14:25	10/01/02 16:55
MW-10	MLJ0075-03	Water	09/30/02 12:58	10/01/02 16:55
MW-11	MLJ0075-04	Water	09/30/02 14:00	10/01/02 16:55

Sequoia Analytical - Morgan Hill

Latonya K. Pelt

Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MLJ0075-01) Water Sampled: 09/30/02 13:33 Received: 10/01/02 16:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2J11001	10/11/02	10/11/02	8015Bm/8021 B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.8**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.5 %*	*55-142*		"	"	"	"	
MW-9 (MLJ0075-02) Water Sampled: 09/30/02 14:25 Received: 10/01/02 16:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2J11001	10/11/02	10/11/02	8015Bm/8021 B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.3**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.1 %*	*55-142*		"	"	"	"	
MW-10 (MLJ0075-03) Water Sampled: 09/30/02 12:58 Received: 10/01/02 16:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2J11001	10/11/02	10/11/02	8015Bm/8021 B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.8**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.8 %*	*55-142*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MLJ0075-04) Water Sampled: 09/30/02 14:00 Received: 10/01/02 16:55									
Gasoline Range Organics (C6-C10)	ND	500	ug/l	10	2J14002	10/14/02	10/14/02	8015Bm/8021 B	R-05
Benzene	ND	5.0	"	"	"	"	"	"	R-05
Toluene	ND	5.0	"	"	"	"	"	"	R-05
Ethylbenzene	ND	5.0	"	"	"	"	"	"	R-05
Xylenes (total)	ND	5.0	"	"	"	"	"	"	R-05
Methyl tert-butyl ether	**1400**	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.8 %*	*55-142*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MLJ0075-01) Water Sampled: 09/30/02 13:33 Received: 10/01/02 16:55									
Ethanol	ND	40	ug/l	1	2J13003	10/13/02	10/14/02	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.9**	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	"	"	"	"	"	"	
Ethylene dibromide	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*78-129*		"	"	"	"	
MW-9 (MLJ0075-02) Water Sampled: 09/30/02 14:25 Received: 10/01/02 16:55									
Ethanol	ND	40	ug/l	1	2J13003	10/13/02	10/14/02	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.4**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylene dibromide	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	
MW-10 (MLJ0075-03) Water Sampled: 09/30/02 12:58 Received: 10/01/02 16:55									
Ethanol	ND	40	ug/l	1	2J13003	10/13/02	10/14/02	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.51**	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	"	"	"	"	"	"	
Ethylene dibromide	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*78-129*		"	"	"	"	

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MLJ0075-04) Water Sampled: 09/30/02 14:00 Received: 10/01/02 16:55									
Ethanol	ND	4000	ug/l	100	2J14012	10/13/02	10/14/02	EPA 8260B	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	**1500**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethylene dibromide	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*78-129*		"	"	"	"	

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J11001 - EPA 5030B [P/T]										
Blank (2J11001-BLK1)				Prepared & Analyzed: 10/11/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	2.74	2.5	"							Q-19
Surrogate: a,a,a-Trifluorotoluene	*9.82*		"	*10.0*		*98.2*	*55-142*			
LCS (2J11001-BS1)				Prepared & Analyzed: 10/11/02						
Benzene	8.93	0.50	ug/l	10.0		89.3	68-140			
Toluene	9.27	0.50	"	10.0		92.7	76-127			
Ethylbenzene	8.85	0.50	"	10.0		88.5	77-130			
Xylenes (total)	28.9	0.50	"	30.0		96.3	78-128			
Surrogate: a,a,a-Trifluorotoluene	*9.09*		"	*10.0*		*90.9*	*55-142*			
LCS (2J11001-BS2)				Prepared & Analyzed: 10/11/02						
Gasoline Range Organics (C6-C10)	212	50	ug/l	250		84.8	62-134			
Surrogate: a,a,a-Trifluorotoluene	*8.61*		"	*10.0*		*86.1*	*55-142*			
Matrix Spike (2J11001-MS1)		**Source: MLJ0077-11**		Prepared & Analyzed: 10/11/02						
Gasoline Range Organics (C6-C10)	393	50	ug/l	550	ND	71.5	62-134			
Benzene	7.25	0.50	"	6.60	ND	110	68-140			
Toluene	34.1	0.50	"	39.7	ND	85.9	76-127			
Ethylbenzene	7.61	0.50	"	9.20	ND	81.8	77-130			
Xylenes (total)	39.6	0.50	"	46.1	ND	85.9	78-128			
Surrogate: a,a,a-Trifluorotoluene	*9.18*		"	*10.0*		*91.8*	*55-142*			
Matrix Spike Dup (2J11001-MSD1)		**Source: MLJ0077-11**		Prepared & Analyzed: 10/11/02						
Gasoline Range Organics (C6-C10)	423	50	ug/l	550	ND	76.9	62-134	7.35	41	
Benzene	7.90	0.50	"	6.60	ND	120	68-140	8.58	30	
Toluene	37.0	0.50	"	39.7	ND	93.2	76-127	8.16	30	
Ethylbenzene	8.26	0.50	"	9.20	ND	88.9	77-130	8.19	21	
Xylenes (total)	43.1	0.50	"	46.1	ND	93.5	78-128	8.46	21	
Surrogate: a,a,a-Trifluorotoluene	*10.6*		"	*10.0*		*106*	*55-142*			

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2J14002 - EPA 5030B [P/T]										
Blank (2J14002-BLK1)				Prepared & Analyzed: 10/14/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*11.7*		"	*10.0*		*117*	*55-142*			
LCS (2J14002-BS1)				Prepared & Analyzed: 10/14/02						
Benzene	9.91	0.50	ug/l	10.0		99.1	68-140			
Toluene	9.89	0.50	"	10.0		98.9	76-127			
Ethylbenzene	9.62	0.50	"	10.0		96.2	77-130			
Xylenes (total)	29.3	0.50	"	30.0		97.7	78-128			
Surrogate: a,a,a-Trifluorotoluene	*11.2*		"	*10.0*		*112*	*55-142*			
LCS (2J14002-BS2)				Prepared & Analyzed: 10/14/02						
Gasoline Range Organics (C6-C10)	238	50	ug/l	250		95.2	62-134			
Surrogate: a,a,a-Trifluorotoluene	*10.7*		"	*10.0*		*107*	*55-142*			
Matrix Spike (2J14002-MS1)		**Source: MLJ0125-04**		Prepared & Analyzed: 10/14/02						
Gasoline Range Organics (C6-C10)	405	50	ug/l	550	ND	73.6	62-134			
Benzene	10.6	0.50	"	6.60	ND	161	68-140			QM-07
Toluene	38.7	0.50	"	39.7	ND	97.5	76-127			
Ethylbenzene	8.29	0.50	"	9.20	ND	90.1	77-130			
Xylenes (total)	41.1	0.50	"	46.1	ND	88.9	78-128			
Surrogate: a,a,a-Trifluorotoluene	*12.1*		"	*10.0*		*121*	*55-142*			
Matrix Spike Dup (2J14002-MSD1)		**Source: MLJ0125-04**		Prepared & Analyzed: 10/14/02						
Gasoline Range Organics (C6-C10)	418	50	ug/l	550	ND	76.0	62-134	3.16	41	
Benzene	9.92	0.50	"	6.60	ND	150	68-140	6.63	30	QM-07
Toluene	35.3	0.50	"	39.7	ND	88.9	76-127	9.19	30	
Ethylbenzene	8.54	0.50	"	9.20	ND	92.8	77-130	2.97	21	
Xylenes (total)	39.1	0.50	"	46.1	ND	84.5	78-128	4.99	21	
Surrogate: a,a,a-Trifluorotoluene	*9.39*		"	*10.0*		*93.9*	*55-142*			

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

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 2J13003 - EPA 5030B P/T										
Blank (2J13003-BLK1)				Prepared & Analyzed: 10/13/02						
Ethanol	ND	40	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	"							
Ethylene dibromide	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.62*		"	*5.00*		*112*	*78-129*			
LCS (2J13003-BS1)				Prepared & Analyzed: 10/13/02						
Methyl tert-butyl ether	9.32	0.50	ug/l	10.0		93.2	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.25*		"	*5.00*		*105*	*78-129*			
LCS (2J13003-BS2)				Prepared & Analyzed: 10/13/02						
Methyl tert-butyl ether	8.66	0.50	ug/l	8.40		103	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.30*		"	*5.00*		*106*	*78-129*			
LCS Dup (2J13003-BSD1)				Prepared & Analyzed: 10/13/02						
Methyl tert-butyl ether	9.20	0.50	ug/l	10.0		92.0	63-137	1.30	13	
Surrogate: 1,2-Dichloroethane-d4	*5.57*		"	*5.00*		*111*	*78-129*			
LCS Dup (2J13003-BSD2)				Prepared & Analyzed: 10/13/02						
Methyl tert-butyl ether	8.49	0.50	ug/l	8.40		101	63-137	1.98	13	
Surrogate: 1,2-Dichloroethane-d4	*5.15*		"	*5.00*		*103*	*78-129*			
Batch 2J14012 - EPA 5030B P/T										
Blank (2J14012-BLK1)				Prepared: 10/13/02 Analyzed: 10/14/02						
Ethanol	ND	40	ug/l							
tert-Butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethylene dibromide	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.24*		"	*5.00*		*105*	*78-129*			

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

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 2J14012 - EPA 5030B P/T										
LCS (2J14012-BS1)				Prepared: 10/13/02 Analyzed: 10/14/02						
Methyl tert-butyl ether	9.73	0.50	ug/l	10.0		97.3	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.36*		"	*5.00*		*107*	*78-129*			
LCS (2J14012-BS2)				Prepared: 10/13/02 Analyzed: 10/14/02						
Methyl tert-butyl ether	8.40	0.50	ug/l	8.40		100	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.05*		"	*5.00*		*101*	*78-129*			
LCS Dup (2J14012-BSD1)				Prepared: 10/13/02 Analyzed: 10/14/02						
Methyl tert-butyl ether	9.64	0.50	ug/l	10.0		96.4	63-137	0.929	13	
Surrogate: 1,2-Dichloroethane-d4	*5.13*		"	*5.00*		*103*	*78-129*			
LCS Dup (2J14012-BSD2)				Prepared: 10/13/02 Analyzed: 10/14/02						
Methyl tert-butyl ether	8.50	0.50	ug/l	8.40		101	63-137	1.18	13	
Surrogate: 1,2-Dichloroethane-d4	*5.34*		"	*5.00*		*107*	*78-129*			

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/17/02 18:49

Notes and Definitions

Q-19	The method blank contains this analyte at a concentration above the method reporting limit. This should be considered in evaluating the data for its 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.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

bp

Project Name: 020930-EM2

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Date: 9/30/02

Requested Due Date (mm/dd/yy): ML30075

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

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

BP/GEM Facility No.:
BP/GEM Facility Address: 6400 Dublin Ave., Dublin, CA
Site ID No. 11120
Site Lat/Long:
California Global ID #:
BP/GEM PM Contact: Scott Hooton
Address:
Tele/Fax:

Consultant/Contractor: URS
Address: 500 12th St., Ste. 200
Oakland, CA 94609-4014
e-mail EDD: syed_rehan@urscorp.com
Consultant/Contractor Project No.:
Consultant Tele/Fax: 510-874-3115 / 510-874-3268
Consultant/Contractor PM: Robert Horwath
Invoice to: Consultant/Contractor or BP/GEM (Circle one) — BP/GEM circled
BP/GEM Work Release No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	TPH-D (8015)	MTBE (8021)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	[illegible]	Ethanol			Sample Point Lat/Long and Comments
1	MW-8	13:33		X			01	6				X	X		X	X	X	X	X			
2	MW-9	14:25		X			02	6				X	X		X	X	X	[illegible]	X			
3	MW-10	12:58		X			03	6				X	X		X	X	X	[illegible]	X			
4	MW-11	14:00		X			04	6				X	X		X	X	X	[illegible]	X			
5																						
6																						
7																						
8																						
9																						
10																						

Sampler's Name: Eric McReynolds
Sampler's Company: Blaine Tech Services
Shipment Date:
Shipment Method:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	10/1/02	8:50	[signature]	10/1/02	8:50
[signature]	10/1/02	1655	[signature]	10/1/02	1655

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 ___

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

BP COC Rev. 1 2/5/02

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

11/20/02

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage Site #11120,
Work Order Number:	MLJ0075
Global ID:	T0600101432
Lab Report Number:	MLJ0075101820021623

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MLJ007510182002	MW-10	MLJ007503	W	CS	8260+OX	SW5030B	09/30/02	10/13/02	10/14/02	2J13003	1	
1623												
MLJ007510182002	MW-10	MLJ007503	W	CS	SW8020F	SW5030B	09/30/02	10/11/02	10/11/02	2J11001	1	
1623												
MLJ007510182002	MW-11	MLJ007504	W	CS	8260+OX	SW5030B	09/30/02	10/13/02	10/14/02	2J14012	1	
1623												
MLJ007510182002	MW-11	MLJ007504	W	CS	SW8020F	SW5030B	09/30/02	10/14/02	10/14/02	2J14002	1	
1623												
MLJ007510182002	MW-8	MLJ007501	W	CS	8260+OX	SW5030B	09/30/02	10/13/02	10/14/02	2J13003	1	
1623												
MLJ007510182002	MW-8	MLJ007501	W	CS	SW8020F	SW5030B	09/30/02	10/11/02	10/11/02	2J11001	1	
1623												
MLJ007510182002	MW-9	MLJ007502	W	CS	8260+OX	SW5030B	09/30/02	10/13/02	10/14/02	2J13003	1	
1623												
MLJ007510182002	MW-9	MLJ007502	W	CS	SW8020F	SW5030B	09/30/02	10/11/02	10/11/02	2J11001	1	
1623												
		MLJ007711	W	NC	SW8020F	SW5030B	/ /	10/11/02	10/11/02	2J11001	1	
		MLJ012504	W	NC	SW8020F	SW5030B	/ /	10/14/02	10/14/02	2J14002	1	
		2J11001BS1	WQ	BS1	SW8020F	SW5030B	/ /	10/11/02	10/11/02	2J11001	1	
		2J11001BS2	WQ	BS2	SW8020F	SW5030B	/ /	10/11/02	10/11/02	2J11001	1	
		2J11001BLK1	WQ	LB1	SW8020F	SW5030B	/ /	10/11/02	10/11/02	2J11001	1	
		2J11001MS1	W	MS1	SW8020F	SW5030B	/ /	10/11/02	10/11/02	2J11001	1	
		2J11001MSD1	W	SD1	SW8020F	SW5030B	/ /	10/11/02	10/11/02	2J11001	1	
		2J13003BSD1	WQ	BD1	8260+OX	SW5030B	/ /	10/13/02	10/13/02	2J13003	1	
		2J13003BSD2	WQ	BD2	8260+OX	SW5030B	/ /	10/13/02	10/13/02	2J13003	1	
		2J13003BS1	WQ	BS1	8260+OX	SW5030B	/ /	10/13/02	10/13/02	2J13003	1	
		2J13003BS2	WQ	BS2	8260+OX	SW5030B	/ /	10/13/02	10/13/02	2J13003	1	
		2J13003BLK1	WQ	LB1	8260+OX	SW5030B	/ /	10/13/02	10/13/02	2J13003	1	
		2J14002BS1	WQ	BS1	SW8020F	SW5030B	/ /	10/14/02	10/14/02	2J14002	1	
		2J14002BS2	WQ	BS2	SW8020F	SW5030B	/ /	10/14/02	10/14/02	2J14002	1	
		2J14002BLK1	WQ	LB1	SW8020F	SW5030B	/ /	10/14/02	10/14/02	2J14002	1	
		2J14002MS1	W	MS1	SW8020F	SW5030B	/ /	10/14/02	10/14/02	2J14002	1	
		2J14002MSD1	W	SD1	SW8020F	SW5030B	/ /	10/14/02	10/14/02	2J14002	1	
		2J14012BSD1	WQ	BD1	8260+OX	SW5030B	/ /	10/13/02	10/14/02	2J14012	1	
		2J14012BSD2	WQ	BD2	8260+OX	SW5030B	/ /	10/13/02	10/14/02	2J14012	1	
		2J14012BS1	WQ	BS1	8260+OX	SW5030B	/ /	10/13/02	10/14/02	2J14012	1	
		2J14012BS2	WQ	BS2	8260+OX	SW5030B	/ /	10/13/02	10/14/02	2J14012	1	
		2J14012BLK1	WQ	LB1	8260+OX	SW5030B	/ /	10/13/02	10/14/02	2J14012	1	

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub

EDFSAMP: Error Summary Log

11/20/02

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
Error: LOGCODE field is blank or invalid	URSO	BP Heritage Site #11120,	MLJ0075	MW-10	W
Error: LOGCODE field is blank or invalid	URSO	BP Heritage Site #11120,	MLJ0075	MW-11	W
Error: LOGCODE field is blank or invalid	URSO	BP Heritage Site #11120,	MLJ0075	MW-8	W
Error: LOGCODE field is blank or invalid	URSO	BP Heritage Site #11120,	MLJ0075	MW-9	W

EDFTEST: Error Summary Log

11/20/02

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
Error: ANMCODE field is blank or invalid	2J13003BLK1	LB1	8260+OX	SW5030B	10/13/02	1
Error: ANMCODE field is blank or invalid	2J13003BS1	BS1	8260+OX	SW5030B	10/13/02	1
Error: ANMCODE field is blank or invalid	2J13003BS2	BS2	8260+OX	SW5030B	10/13/02	1
Error: ANMCODE field is blank or invalid	2J13003BSD1	BD1	8260+OX	SW5030B	10/13/02	1
Error: ANMCODE field is blank or invalid	2J13003BSD2	BD2	8260+OX	SW5030B	10/13/02	1
Error: ANMCODE field is blank or invalid	2J14012BLK1	LB1	8260+OX	SW5030B	10/14/02	1
Error: ANMCODE field is blank or invalid	2J14012BS1	BS1	8260+OX	SW5030B	10/14/02	1
Error: ANMCODE field is blank or invalid	2J14012BS2	BS2	8260+OX	SW5030B	10/14/02	1
Error: ANMCODE field is blank or invalid	2J14012BSD1	BD1	8260+OX	SW5030B	10/14/02	1
Error: ANMCODE field is blank or invalid	2J14012BSD2	BD2	8260+OX	SW5030B	10/14/02	1
Error: ANMCODE field is blank or invalid	MLJ007503	CS	8260+OX	SW5030B	10/14/02	1
Error: ANMCODE field is blank or invalid	MLJ007504	CS	8260+OX	SW5030B	10/14/02	1
Error: ANMCODE field is blank or invalid	MLJ007501	CS	8260+OX	SW5030B	10/14/02	1
Error: ANMCODE field is blank or invalid	MLJ007502	CS	8260+OX	SW5030B	10/14/02	1

EDFRES: Error Summary Log

11/20/02

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2J11001MS1	MS1	W	SW8020F	PR	10/11/02	1	AAATFBZME
Warning: extra parameter	2J11001MS1	MS1	W	SW8020F	PR	10/11/02	1	GROC6C10
Warning: extra parameter	2J11001MSD1	SD1	W	SW8020F	PR	10/11/02	1	AAATFBZME
Warning: extra parameter	2J11001MSD1	SD1	W	SW8020F	PR	10/11/02	1	GROC6C10
Warning: extra parameter	2J14002MS1	MS1	W	SW8020F	PR	10/14/02	1	AAATFBZME
Warning: extra parameter	2J14002MS1	MS1	W	SW8020F	PR	10/14/02	1	GROC6C10
Warning: extra parameter	2J14002MSD1	SD1	W	SW8020F	PR	10/14/02	1	AAATFBZME
Warning: extra parameter	2J14002MSD1	SD1	W	SW8020F	PR	10/14/02	1	GROC6C10
Warning: extra parameter	MLJ007501	CS	W	SW8020F	PR	10/11/02	1	AAATFBZME
Warning: extra parameter	MLJ007501	CS	W	SW8020F	PR	10/11/02	1	GROC6C10
Warning: extra parameter	MLJ007501	CS	W	SW8020F	PR	10/11/02	1	MTBE
Warning: extra parameter	MLJ007502	CS	W	SW8020F	PR	10/11/02	1	AAATFBZME
Warning: extra parameter	MLJ007502	CS	W	SW8020F	PR	10/11/02	1	GROC6C10
Warning: extra parameter	MLJ007502	CS	W	SW8020F	PR	10/11/02	1	MTBE
Warning: extra parameter	MLJ007503	CS	W	SW8020F	PR	10/11/02	1	AAATFBZME
Warning: extra parameter	MLJ007503	CS	W	SW8020F	PR	10/11/02	1	GROC6C10
Warning: extra parameter	MLJ007503	CS	W	SW8020F	PR	10/11/02	1	MTBE
Warning: extra parameter	MLJ007504	CS	W	SW8020F	PR	10/14/02	1	AAATFBZME
Warning: extra parameter	MLJ007504	CS	W	SW8020F	PR	10/14/02	1	GROC6C10
Warning: extra parameter	MLJ007504	CS	W	SW8020F	PR	10/14/02	1	MTBE
Warning: extra parameter	MLJ007711	NC	W	SW8020F	PR	10/11/02	1	AAATFBZME
Warning: extra parameter	MLJ007711	NC	W	SW8020F	PR	10/11/02	1	GROC6C10
Warning: extra parameter	MLJ012504	NC	W	SW8020F	PR	10/14/02	1	AAATFBZME
Warning: extra parameter	MLJ012504	NC	W	SW8020F	PR	10/14/02	1	GROC6C10
Warning: extra parameter	2J11001BLK1	LB1	WQ	SW8020F	PR	10/11/02	1	AAATFBZME

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2J11001BLK1	LB1	WQ	SW8020F	PR	10/11/02	1	GROC6C10
Warning: extra parameter	2J11001BLK1	LB1	WQ	SW8020F	PR	10/11/02	1	MTBE
Warning: extra parameter	2J11001BS1	BS1	WQ	SW8020F	PR	10/11/02	1	AAATFBZME
Warning: extra parameter	2J11001BS2	BS2	WQ	SW8020F	PR	10/11/02	1	AAATFBZME
Warning: extra parameter	2J11001BS2	BS2	WQ	SW8020F	PR	10/11/02	1	GROC6C10
Warning: extra parameter	2J14002BLK1	LB1	WQ	SW8020F	PR	10/14/02	1	AAATFBZME
Warning: extra parameter	2J14002BLK1	LB1	WQ	SW8020F	PR	10/14/02	1	GROC6C10
Warning: extra parameter	2J14002BLK1	LB1	WQ	SW8020F	PR	10/14/02	1	MTBE
Warning: extra parameter	2J14002BS1	BS1	WQ	SW8020F	PR	10/14/02	1	AAATFBZME
Warning: extra parameter	2J14002BS2	BS2	WQ	SW8020F	PR	10/14/02	1	AAATFBZME
Warning: extra parameter	2J14002BS2	BS2	WQ	SW8020F	PR	10/14/02	1	GROC6C10

EDFQC: Error Summary Log

11/20/02

Error type	Lablotctl	Anmcode	Parlabel	Qccode	Labqcid
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	DCA12	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	DCA12D4	BD1	2J13003BSD1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	DCA12D4	BD2	2J13003BSD2
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	DCA12D4	BS1	2J13003BS1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	DCA12D4	BS2	2J13003BS2
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	DCA12D4	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	DIPE	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	EDB	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	ETBE	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	ETHANOL	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	MTBE	BD1	2J13003BSD1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	MTBE	BD2	2J13003BSD2
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	MTBE	BS1	2J13003BS1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	MTBE	BS2	2J13003BS2
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	MTBE	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	TAME	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J13003	8260+OX	TBA	LB1	2J13003BLK1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	DCA12	LB1	2J14012BLK1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	DCA12D4	BD1	2J14012BSD1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	DCA12D4	BD2	2J14012BSD2
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	DCA12D4	BS1	2J14012BS1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	DCA12D4	BS2	2J14012BS2
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	DCA12D4	LB1	2J14012BLK1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	DIPE	LB1	2J14012BLK1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	EDB	LB1	2J14012BLK1

Error type	Lablotctl	Anmcode	Parlabel	Qccode	Labqcid
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	ETBE	LB1	2J14012BLK1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	ETHANOL	LB1	2J14012BLK1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	MTBE	BD1	2J14012BSD1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	MTBE	BD2	2J14012BSD2
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	MTBE	BS1	2J14012BS1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	MTBE	BS2	2J14012BS2
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	MTBE	LB1	2J14012BLK1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	TAME	LB1	2J14012BLK1
Error: ANMCODE field is blank or invalid	2J14012	8260+OX	TBA	LB1	2J14012BLK1

EDFCL: Error Summary Log

11/20/02

Error type	Clrevdate	Anmcode	Exmcode	Parlabel	Clcode
Error: ANMCODE field is blank or invalid	08/29/02	8260+OX	SW5030B	DCA12D4	SLSA
Error: ANMCODE field is blank or invalid	08/29/02	8260+OX	SW5030B	MTBE	LSA
Error: ANMCODE field is blank or invalid	08/29/02	8260+OX	SW5030B	MTBE	LSP
Error: ANMCODE field is blank or invalid	08/29/02	8260+OX	SW5030B	DCA12D4	SLSA
Error: ANMCODE field is blank or invalid	08/29/02	8260+OX	SW5030B	MTBE	LSA
Error: ANMCODE field is blank or invalid	08/29/02	8260+OX	SW5030B	MTBE	LSP

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Submittal Title: Third Quarter 2002 Monitoring Report
Submittal Type: GW Monitoring Report

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ATTACHMENT D

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

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

ALISTO PROJECT NO. 10-170

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DO (ppm)	LAB
MW-1 (c)	10/27/92	328.96	8.19	320.77	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-1	04/09/93	328.96	4.79	324.17	ND<50	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-1	08/25/93	328.96	6.85	322.11	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-1	11/22/93	328.96	7.38	321.58	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-1	03/07/94	328.96	5.89	323.07	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	4.3	PACE
MW-1	06/09/94	328.96	6.42	322.54	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	8.8	PACE
MW-1	09/12/94	328.96	7.33	321.63	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	7.8	PACE
MW-1	12/20/94	328.96	6.34	322.62	---	---	---	---	---	---	---	---	---
MW-1	03/16/95	328.96	4.37	324.59	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	5.6	ATI
MW-1	06/28/95	328.96	5.35	323.61	---	---	---	---	---	---	---	---	---
MW-1	09/06/95	328.96	6.44	322.52	ND<50	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.4	ATI
MW-1	12/22/95	328.96	6.04	322.92	---	---	---	---	---	---	---	---	---
MW-1	08/20/96	328.96	5.65	323.31	---	---	---	---	---	---	---	---	---
MW-1	08/21/96	328.96	---	---	ND<50	160	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.8	SPL
MW-1	10/31/96	328.96	5.99	322.97	---	---	---	---	---	---	---	---	---
MW-1 (d)	12/02/96	328.96	---	---	---	---	---	---	---	---	---	---	---
MW-1 (d)	06/26/98	328.96	---	---	---	---	---	---	---	---	---	---	---
MW-2	10/27/92	328.50	7.64	320.86	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-2	04/09/93	328.50	4.12	324.38	ND<50	80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-2	08/25/93	328.50	6.31	322.19	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-2	11/22/93	328.50	7.12	321.38	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-2	03/07/94	328.50	5.60	322.90	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	4.3	PACE
MW-2	06/09/94	328.50	5.91	322.59	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	8.2	PACE
MW-2	09/12/94	328.50	6.87	321.63	ND<50	160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	7.5	PACE
MW-2	12/20/94	328.50	5.86	322.64	---	---	---	---	---	---	---	---	---
MW-2	03/16/95	328.50	3.77	324.73	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	6.6	ATI
MW-2	03/16/95	328.50	3.77	324.73	ND<50	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	6.6	ATI
MW-2	06/28/95	328.50	4.33	324.17	---	---	---	---	---	---	---	---	---
MW-2	09/06/95	328.50	5.85	322.65	ND<50	210	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	7.0	ATI
MW-2	12/22/95	328.50	5.50	323.00	---	---	---	---	---	---	---	---	---
MW-2	08/20/96	328.50	5.07	323.43	---	---	---	---	---	---	---	---	---
MW-2	08/21/96	328.50	---	---	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.0	SPL
MW-2	10/31/96	328.50	5.44	323.06	---	---	---	---	---	---	---	---	---
MW-2	12/02/96	328.50	5.50	323.00	---	---	---	---	---	---	---	---	---
MW-2	03/27/97	328.50	4.61	323.89	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.8	SPL
MW-2	06/03/97	328.50	7.14	321.36	---	---	---	---	---	---	---	---	---
MW-2	09/16/97	328.50	6.10	322.40	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.2	SPL
MW-2	12/03/97	328.50	6.22	322.28	---	---	---	---	---	---	---	---	---
MW-2	06/26/98	328.50	4.86	323.64	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.6	SPL

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

ALISTO PROJECT NO. 10-170

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)		B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)		DO (ppm)	LAB
MW-3		10/27/92	329.36	8.43	320.93	210	ND<50		3	0.7	0.9	30	—		—	PACE
MW-3		04/09/93	329.36	4.90	324.46	400	260		6.1	ND<0.5	ND<0.5	ND<0.5	—		—	PACE
MW-3		08/25/93	329.36	7.13	322.23	2000	440		ND<0.5	ND<0.5	ND<0.5	ND<0.5	3300	(e)	—	PACE
MW-3		11/22/93	329.36	7.60	321.76	1800	360		ND<2.5	ND<2.5	ND<2.5	ND<2.5	910	(e)	—	PACE
MW-3		03/07/94	329.36	6.08	323.28	1300	5000		22	4.0	2.2	3.8	7200	(e)	3.7	PACE
MW-3		06/09/94	329.36	6.51	322.85	8500	2600		25	8.3	0.5	15	13000	(e)	7.2	PACE
QC-1	(f)	06/09/94	—	—	—	8800	—		23	6.3	0.5	10	13000	(e)	—	PACE
MW-3		09/12/94	329.36	7.63	321.73	2100	3200		ND<5.0	ND<5.0	8.6	20	3800	(e)	7.3	PACE
QC-1	(f)	09/12/94	—	—	—	1800	—		ND<5.0	ND<5.0	8.0	10	3900	(e)	—	PACE
MW-3		12/20/94	329.36	6.41	322.95	18000	9600		79	28	89	9.3	—		7.3	PACE
QC-1	(f)	12/20/94	—	—	—	17000	—		79	33	80	ND<2.5	—		—	PACE
MW-3		03/16/95	329.36	4.39	324.97	6300	7000		470	ND<5.0	210	9.9	—		5.5	ATI
QC-1	(f)	03/16/95	—	—	—	6300	—		500	ND<5.0	230	13	—		—	ATI
MW-3		06/28/95	329.36	5.50	323.86	9000	3000	(g)	ND<10	ND<10	ND<10	ND<20	—		7.4	ATI
QC-1	(f)	06/28/95	—	—	—	8800	—	(g)	ND<10	ND<10	ND<10	ND<20	—		—	ATI
MW-3		09/06/95	329.36	6.66	322.70	10000	2800		ND<50	ND<50	ND<50	ND<100	37000		7.1	ATI
QC-1	(f)	09/06/95	—	—	—	9700	—		ND<50	ND<50	ND<50	ND<100	36000		—	ATI
MW-3		12/22/95	329.36	6.31	323.05	9200	2500		ND<50	ND<50	ND<50	ND<100	29000		6.7	ATI
MW-3		08/20/96	329.36	5.87	323.49	—	—		—	—	—	—	—		—	—
MW-3		08/21/96	329.36	—	—	3700	1900		ND<25	ND<50	ND<50	ND<50	4100		6.8	SPL
QC-1	(f)	08/21/96	—	—	—	3500	—		ND<25	ND<50	ND<50	ND<50	4000		—	SPL
MW-3		10/31/96	329.36	6.20	323.16	ND<250	ND<500		ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		6.8	SPL
QC-1	(f)	10/31/96	—	—	—	ND<250	—		ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		—	—
MW-3		12/02/96	329.36	6.27	323.09	ND<250	50		ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		6.4	SPL
QC-1	(f)	12/02/96	—	—	—	ND<250	—		ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		—	—
MW-3		03/27/97	329.36	5.39	323.97	470	ND<100		ND<0.5	ND<1.0	ND<1.0	ND<1.0	490		6.2	SPL
MW-3		06/03/97	329.36	7.92	321.44	ND<250	100		ND<2.5	ND<5.0	ND<5.0	ND<5.0	84		5.9	SPL
QC-1	(f)	06/03/97	—	—	—	ND<250	—		ND<2.5	ND<5.0	ND<5.0	ND<5.0	74.0		—	—
MW-3		09/16/97	329.36	6.67	322.69	ND<50	330		ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		5.5	SPL
MW-3		12/03/97	329.36	6.81	322.55	ND<50	ND<200		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.0	SPL
QC-1	(f)	12/03/97	—	—	—	ND<50	—		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		—	SPL
MW-3		06/26/98	329.36	5.08	324.28	ND<250	—		ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		4.8	SPL

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

ALISTO PROJECT NO. 10-170

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

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

ALISTO PROJECT NO. 10-170

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

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

ALISTO PROJECT NO. 10-170

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