URS

April 30, 2003

Alameda County

MAY 02 2003

Environmental Health

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

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

Dear Ms. Chu:

On behalf of the Group Environmental Management Company (an affiliated company of BP), URS Corporation (URS) is submitting the *First 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

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

Leonard P. Niles

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

Enclosure: First Quarter 2003 Groundwater Monitoring Report

cc: Scott Hooton, Group Environmental Management Company, 295 SW 41st Street, Building 13, Suite N, Renton, WA 98055-4931.
Ms. Liz Sewell, ConocoPhilips, 76 Braodway, Sacramento CA 95818

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

REPORT

FIRST QUARTER 2003 GROUNDWATER MONITORING

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

Prepared for
BP GEM

April 30, 2003

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

38486244

Date: April 30, 2003

Quarter: 1Q 03

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.: 38486244

Primary Agency: Alameda County Health Care Services

WORK PERFORMED THIS QUARTER (First – 2003):

1. Performed first quarter groundwater monitoring event on March 12, 2003.
2. Prepared and submitted fourth quarter 2002 groundwater monitoring report

WORK PROPOSED FOR NEXT QUARTER (Second – 2003):

1. Perform second quarter 2003 groundwater monitoring event.
2. Prepare and submit first quarter 2003 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-8 through MW-11 quarterly
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None currently
Approximate Depth to Groundwater:	5.79 (MW-11) to 7.96 (MW-10) Feet
Groundwater Gradient (direction):	Southeast
Groundwater Gradient (magnitude):	0.04 feet per foot

DISCUSSION:

TPH-g was not detected at any of the four wells sampled this quarter. Benzene was also not detected in any of the four wells sampled. Using EPA method 8015B/8021B, MTBE was detected in two of the four wells sampled at concentrations of 3.8 µg/L (MW-8) and 2,900 µg/L (MW-11). Confirmed using EPA Method 8260B, MTBE was detected in all four wells sampled at concentrations ranging from 0.59 µg/L (MW-9) to 650 µg/L (MW-11).

This site is currently in the process of being claimed by URS for geotracker upload ability. The first quarter data will be uploaded as soon as the site has been claimed. The submittal confirmation for the first quarter data will be included in the second quarter 2003 quarterly groundwater monitoring report.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1– Groundwater Elevation Contour and Analytical Summary Map – March 12, 2003
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC Report and EDF/Geowell Submittal Confirmation
- Attachment D – Historical Groundwater Analytical Data for Former Wells Abandoned in 1999 (Source Alisto Engineering)

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

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	GWE (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	MTBE (8260 B) (ug/l)	Additional Oxygenates & Pb Scavengers(c) (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 (d)	---	SEQ
	12/13/2002	328.94	5.81	323.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.4	5.9	ND (d)		SEQ
	3/12/2003	**328.94**	**5.80**	**323.14**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**3.8**	**4.3**	**See Table 2**		**SEQ**
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 (d)	---	SEQ
	12/13/2002	329.96	6.51	323.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.53	ND (d)		SEQ
	3/12/2003	**329.96**	**6.86**	**323.10**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**0.59**	**See Table 2**		**SEQ**
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 (d)	---	SEQ
	12/13/2002	327.44	6.36	321.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<0.5	ND (d)		SEQ
	3/12/2003	**327.44**	**7.96**	**319.48**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**0.76**	**See Table 2**		**SEQ**
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 (d)	---	SEQ
	12/13/2002	329.75	6.60	323.15	1,300	ND<10	ND<10	ND<10	ND<10	2000	1,400	ND (d)		SEQ
	3/12/2003	**329.75**	**5.79**	**323.96**	**ND<500**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**2900**	**650**	**See Table 2**		**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.

(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.

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

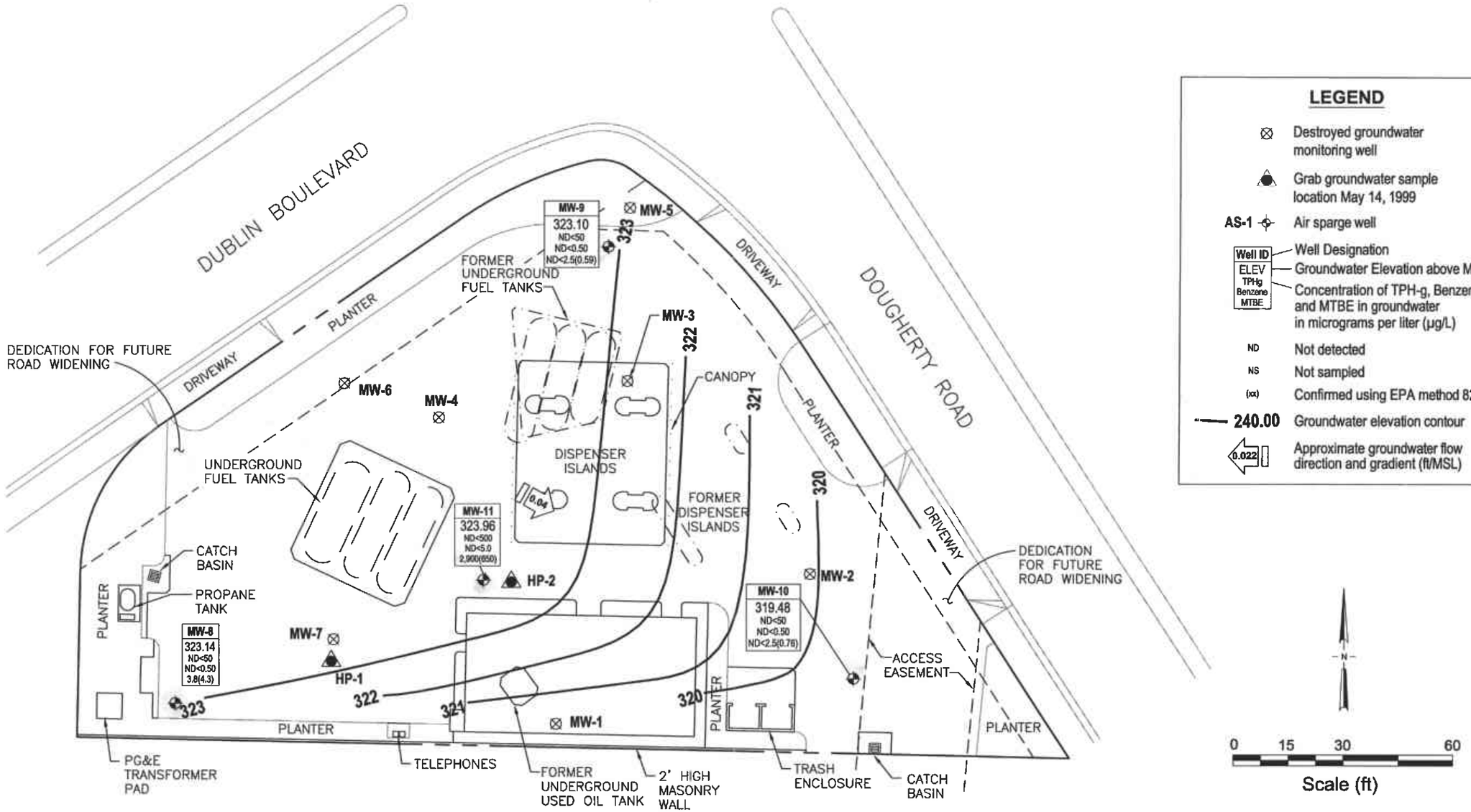
Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-8	03/12/03	ND<100	ND<20	4.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-9	03/12/03	ND<100	ND<20	0.59	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10	03/12/03	ND<100	ND<20	0.76	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-11	03/12/03	ND<1000	ND<200	650	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0

NOTE:

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

ABBREVIATION

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



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
- (∞) — Confirmed using EPA method 8260
- 240.00 — Groundwater elevation contour
- 0.022 — 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 First Quarter 2003 (March 12, 2003)	FIGURE 1

X:\x_env_waste\BP GEM\Sites\LNiles Sites\11120-new\Reports\Monitoring\Qtr.1,2003\Drawings\GWEC-AS_3-12.dwg

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

WELL GAUGING DATA

Project # 030312-ACE Date 3-12-05 Client BP 11120

Site 6400 Dublin Blvd. Dublin

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	CTD
MW-8	2					5.80	19.68	TOC	2
MW-9	2					6.86	19.72		4
MW-10	2	pressure - let well sit for 5 min				7.96	19.66		1
MW-11	2					5.79	19.52		3

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030312-AC2	Station # BP 11120
Sampler: AC	Date: 3-12-03
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.68	Depth to Water: 5.80
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
- X Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X 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.

2.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 6.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1213	69.1	7.1	4346	2.5	cloudy
1215	69.2	7.0	3574	5	"
1217	69.1	7.0	3419	7.5	"

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

Sampling Time: 1225 Sampling Date: 3-12-03

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: Oxy's, Ethanol, 1,2-DCA, EDB by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030312-AC2	Station # BP 11120
Sampler: AC	Date: 3-12-03
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.72	Depth to Water: 6.86
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
- X Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X 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
1255	72.4	7.7	1381	2	almost clear
1257	69.2	7.6	1275	4	" "
1259	68.6	7.6	1247	6	" "

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

Sampling Time: 1305 Sampling Date: 3-12-03

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: Oxy's, Ethanol, 1,2-DCA, EDB by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030312-AC2	Station # BP 11120
Sampler: AC	Date: 3-12-03
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.66	Depth to Water: 7.96
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
- X Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X 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.

1.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1150	69.9	6.8	8275	2	light brown
1152	68.3	7.4	7915	4	" "
1154	69.1	7.4	7894	6	" "

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

Sampling Time: 1200 Sampling Date: 3-12-03

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: Oxy's, Ethanol, 1,2-DCA, EDB by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030312-AC2	Station # BP 11120
Sampler: AC	Date: 3-12-03
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.52	Depth to Water: 5.79
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
1234	70.5	7.2	2411	2.5	cloudy
1236	70.6	7.1	2234	5	"
1238	70.5	7.2	2193	7.5	"

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

Sampling Time: 1245 Sampling Date: 3-12-03

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: Oxy's, Ethanol, 1,2-DCA, EDB by 8260

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

Chain of Custody Record

bp

Project Name 030312-AC2
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 3-12-03 **Requested Due Date (mm/dd/yy)**

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

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 6400 Dublin Ave., Dublin, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. 11120	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600101432	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant Tele/Fax: 510-874-1720 / 510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: 295 SW 41st St., Bldg. 13 Ste N	Consultant/Contractor PM: Leonard Niles
Report Type & QC Level: Send EDF Reports	Renton, WA 98055	Invoice to: Consultant/Contractor or BP/GEM (Circle One)
BP/GEM Account No.: 400-6-21124	Tele/Fax: 425-251-0689/425-251-0736	BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analysis: TPH-G / BTEX (8015 / 8021)	TPH –D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol 8260				Sample Point Lat/Long and Comments
1	MW-8	1225		X				6				X			X		X		X	X	X				
2	MW-9	1305		X				6				X			X		X		X	X	X				
3	MW-10	1200		X				6				X			X		X		X	X	X				
4	MW-11	1245		X				6				X			X		X		X	X	X				
5																									
6																									
7																									
8																									
9																									
10																									

Sampler's Name: Aaron Costa	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech	Clara Costa / Blaine Tech	3/13/03	2:28		3/13/03	2:28
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___

WELLHEAD INSPECTION CHECKLIST

Client BP 11120 Date 3-12-03

Site Address 6400 Dublin Blvd. Dublin

Job Number 030312-AC2 Technician AC

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

NOTES:

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

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

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

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

BP 11120

Station #

6400 Dublin Blvd. Dublin

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

40

added equip. rinse water 10

any other adjustments

TOTAL GALS. RECOVERED 50

loaded onto BTS vehicle # 11

BTS event # 030317-ACZ

time 1400

date 3/12/03

signature Adam Costa

* *

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

28 March, 2003

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

RE: BP Heritage Site #11120, Dublin, CA
Sequoia Work Order: MMC0454

Enclosed are the results of analyses for samples received by the laboratory on 03/13/03 16:30. 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 Dr
Morgan Hill, CA 95037
(408) 776-9600
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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	MMC0454
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MMC0454-01	Water	03/12/03 12:25	03/13/03 16:30
MW-9	MMC0454-02	Water	03/12/03 13:05	03/13/03 16:30
MW-10	MMC0454-03	Water	03/12/03 12:00	03/13/03 16:30
MW-11	MMC0454-04	Water	03/12/03 12:45	03/13/03 16:30

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

Sequoia Analytical

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	MMC0454
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MMC0454-01) Water Sampled: 03/12/03 12:25 Received: 03/13/03 16:30									
Ethanol	ND	100	ug/l	1	3C22021	03/22/03	03/23/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.3**	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	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*78-129*		"	"	"	"	
MW-9 (MMC0454-02) Water Sampled: 03/12/03 13:05 Received: 03/13/03 16:30									
Ethanol	ND	100	ug/l	1	3C22021	03/22/03	03/23/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.59**	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	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*78-129*		"	"	"	"	
MW-10 (MMC0454-03) Water Sampled: 03/12/03 12:00 Received: 03/13/03 16:30									
Ethanol	ND	100	ug/l	1	3C22021	03/22/03	03/23/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.76**	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	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*78-129*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	MMC0454
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MMC0454-04) Water Sampled: 03/12/03 12:45 Received: 03/13/03 16:30									
Ethanol	ND	1000	ug/l	10	3C22021	03/22/03	03/23/03	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**650**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*78-129*	"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	MMC0454
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MMC0454-01) Water Sampled: 03/12/03 12:25 Received: 03/13/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030406	03/20/03	03/20/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.8**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*65-135*		"	"	"	"	
MW-9 (MMC0454-02) Water Sampled: 03/12/03 13:05 Received: 03/13/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030406	03/20/03	03/20/03	EPA 8015B/8021B	
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		*104 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
MW-10 (MMC0454-03) Water Sampled: 03/12/03 12:00 Received: 03/13/03 16:30									
Gasoline Range Organics	ND	50	ug/l	1	3030406	03/20/03	03/20/03	EPA 8015B/8021B	
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		*102 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85 %*	*65-135*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	MMC0454
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MMC0454-04) Water Sampled: 03/12/03 12:45 Received: 03/13/03 16:30									
Gasoline Range Organics	ND	500	ug/l	10	3030406	03/20/03	03/20/03	EPA 8015B/8021B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**2900**	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

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 3C22021 - EPA 5030B P/T										
Blank (3C22021-BLK1)				Prepared: 03/22/03 Analyzed: 03/23/03						
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	"							
Surrogate: 1,2-Dichloroethane-d4	*5.49*		"	*5.00*		*110*	*78-129*			
Laboratory Control Sample (3C22021-BS1)				Prepared: 03/22/03 Analyzed: 03/23/03						
Methyl tert-butyl ether	9.58	0.50	ug/l	10.0		95.8	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.29*		"	*5.00*		*106*	*78-129*			
Laboratory Control Sample (3C22021-BS2)				Prepared: 03/22/03 Analyzed: 03/23/03						
Methyl tert-butyl ether	8.85	0.50	ug/l	9.04		97.9	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.39*		"	*5.00*		*108*	*78-129*			
Matrix Spike (3C22021-MS1)		**Source: MMC0454-04**		Prepared: 03/22/03 Analyzed: 03/23/03						
Methyl tert-butyl ether	727	5.0	ug/l	90.4	650	85.2	63-137			
Surrogate: 1,2-Dichloroethane-d4	*5.61*		"	*5.00*		*112*	*78-129*			
Matrix Spike Dup (3C22021-MSD1)		**Source: MMC0454-04**		Prepared: 03/22/03 Analyzed: 03/23/03						
Methyl tert-butyl ether	790	5.0	ug/l	90.4	650	155	63-137	8.31	13	QM-4X
Surrogate: 1,2-Dichloroethane-d4	*5.63*		"	*5.00*		*113*	*78-129*			

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	MMC0454
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3030406 - EPA 5030, waters										
Blank (3030406-BLK1)				Prepared & Analyzed: 03/20/03						
Gasoline Range Organics	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	*315*		"	*300*		*105*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*266*		"	*300*		*89*	*65-135*			
Laboratory Control Sample (3030406-BS1)				Prepared & Analyzed: 03/20/03						
Gasoline Range Organics	2090	50	ug/l	2750		76	65-135			
Benzene	36.4	0.50	"	36.5		100	65-135			
Toluene	192	0.50	"	203		95	65-135			
Ethylbenzene	44.6	0.50	"	47.0		95	65-135			
Xylenes (total)	211	0.50	"	236		89	65-135			
Methyl tert-butyl ether	61.5	2.5	"	56.0		110	65-135			
Surrogate: a,a,a-Trifluorotoluene	*331*		"	*300*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*277*		"	*300*		*92*	*65-135*			
Matrix Spike (3030406-MS1)		**Source: MMC0454-01**		Prepared & Analyzed: 03/20/03						
Gasoline Range Organics	2020	50	ug/l	2750	16	73	65-135			
Benzene	34.7	0.50	"	36.5	0.12	95	65-135			
Toluene	189	0.50	"	203	0.26	93	65-135			
Ethylbenzene	45.5	0.50	"	47.0	ND	97	65-135			
Xylenes (total)	214	0.50	"	236	ND	91	65-135			
Methyl tert-butyl ether	68.5	2.5	"	56.0	3.8	116	65-135			
Surrogate: a,a,a-Trifluorotoluene	*329*		"	*300*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*277*		"	*300*		*92*	*65-135*			

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	MMC0454
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3030406 - EPA 5030, waters										
Matrix Spike Dup (3030406-MSD1)		**Source: MMC0454-01**		Prepared & Analyzed: 03/20/03						
Gasoline Range Organics	1980	50	ug/l	2750	16	71	65-135	2	20	
Benzene	33.6	0.50	"	36.5	0.12	92	65-135	3	20	
Toluene	184	0.50	"	203	0.26	91	65-135	3	20	
Ethylbenzene	44.0	0.50	"	47.0	ND	94	65-135	3	20	
Xylenes (total)	208	0.50	"	236	ND	88	65-135	3	20	
Methyl tert-butyl ether	68.1	2.5	"	56.0	3.8	115	65-135	0.6	20	
Surrogate: a,a,a-Trifluorotoluene	*310*		"	*300*		*103*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*263*		"	*300*		*88*	*65-135*			

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URS Corporation	Project: BP Heritage Site #11120, Dublin, CA	MMC0454
500 12th Street, Suite 100	Project Number: BP Heritage Site #11120, Dublin, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/28/03 16:51

Notes and Definitions

QM-4X	The spike recovery was outside of control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

bp

Project Name 030312-AC2
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 3-12-03 Requested Due Date (mm/dd/yy) MHL0454

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 Pell
Tele/Fax: 408-776-9600 / 408-782-6308
Report Type & QC Level: Send EDF Reports
BP/GEM Account No.: 400-6-21124

BP/GEM Facility No.:
BP/GEM Facility Address: 6400 Dublin Ave., Dublin, CA
Site ID No. 11120
Site Lat/Long:
California Global ID #: T0600101432
BP/GEM PM Contact: Scott Hooton
Address: 285 SW 41st St., Bldg. 13 Ste N
Renton, WA 98055
Tele/Fax: 425-251-0689/425-251-0736

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: 510-874-1720 / 510-874-3
Consultant/Contractor PM: Leonard Niles
Invoice to: Consultant/Contractor or BP/GEM
BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	TPH -D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAMS, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol 8260	Sample Point Lat/L Comments
1	MW-8	1225		X			01	6				X	X		X		X	X	X	
2	MW-9	1305		X			02	6				X	X		X		X	X	X	
3	MW-10	1200		X			03	6				X	X		X		X	X	X	
4	MW-11	1245		X			04	6				X	X		X		X	X	X	
5																				
6																				
7																				
8																				
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	Aaron Costa / Blaine Tech	3/13/03	2:28		3/13/03	2:
		3/14/03	1550		3/13/03	16:

Sampler's Name: Aaron Costa
Sampler's Company: Blaine Tech
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 5 °F/C Trip Blank Yes No ✓

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

BP COC Rev. 1 1/5/01

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT):
WORKORDER: 303 0459

DATE Received at Lab: 3/13/03
TIME Received at Lab: 16:30
LOG IN DATE: 3-14-03

Drinking water for regulatory purposes:
Wastewater for regulatory purposes:

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	REMARKS / CONDITION
1. Custody Seal(s)	Present / (Absent)	01	A-F	MW-8	6) voas HCl	L	3/12/03	2218
	Intact / Broken*	02	↓	MW-9	↓	↓	↓	↓
2. Chain-of-Custody	(Present) / Absent*	03	↓	MW-10	↓	↓	↓	↓
3. Traffic Reports or Packing List:	Present / (Absent)	04	↓	MW-11	↓	↓	↓	↓
4. Airbill:	Airbill / Sticker							
	Present / (Absent)							
5. Airbill #:	—							
6. Sample Labels:	(Present) / Absent							
7. Sample IDs:	(Listed) / Not Listed							
	on Chain-of-Custody							
8. Sample Condition:	(Intact) / Broken* /							
	Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree?	(Yes) / No*							
10. Sample received within hold time:	(Yes) / No*							
11. Proper Preservatives used:	(Yes) / No*							
12. Temp Rec. at Lab:	5°C							
Is temp 4 +/- 2°C?	(Yes) / No**							

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): Metals / DFF on ice? / DFF no ice? or Problem COC

3/13/03

*If Circled, contact Project Manager and attach record of resolution.

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

04/02/03

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:	MMC0454
Global ID:	T0600101432
Lab Report Number:	MMC0454032820031651

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MMC0454032820 031651	MW-10	MMC045403	W	CS	8260+OX	SW5030B	03/12/03	03/22/03	03/23/03	3C22021	1	
MMC0454032820 031651	MW-10	MMC045403	W	CS	SW8020F	SW5030	03/12/03	03/20/03	03/20/03	3030406	1	SEQP
MMC0454032820 031651	MW-11	MMC045404	W	CS	8260+OX	SW5030B	03/12/03	03/22/03	03/23/03	3C22021	1	
MMC0454032820 031651	MW-11	MMC045404	W	CS	SW8020F	SW5030	03/12/03	03/20/03	03/20/03	3030406	1	SEQP
MMC0454032820 031651	MW-8	MMC045401	W	CS	8260+OX	SW5030B	03/12/03	03/22/03	03/23/03	3C22021	1	
MMC0454032820 031651	MW-8	MMC045401	W	CS	SW8020F	SW5030	03/12/03	03/20/03	03/20/03	3030406	1	SEQP
MMC0454032820 031651	MW-9	MMC045402	W	CS	8260+OX	SW5030B	03/12/03	03/22/03	03/23/03	3C22021	1	
MMC0454032820 031651	MW-9	MMC045402	W	CS	SW8020F	SW5030	03/12/03	03/20/03	03/20/03	3030406	1	SEQP
		3030406BS1	WQ	BS1	SW8020F	SW5030	/ /	03/20/03	03/20/03	3030406	1	SEQP
		3030406BLK1	WQ	LB1	SW8020F	SW5030	/ /	03/20/03	03/20/03	3030406	1	SEQP
		3030406MS1	W	MS1	SW8020F	SW5030	/ /	03/20/03	03/20/03	3030406	1	SEQP
		3030406MSD1	W	SD1	SW8020F	SW5030	/ /	03/20/03	03/20/03	3030406	1	SEQP
		3C22021BS1	WQ	BS1	8260+OX	SW5030B	/ /	03/22/03	03/23/03	3C22021	1	
		3C22021BS2	WQ	BS2	8260+OX	SW5030B	/ /	03/22/03	03/23/03	3C22021	1	
		3C22021BLK1	WQ	LB1	8260+OX	SW5030B	/ /	03/22/03	03/23/03	3C22021	1	
		3C22021MS1	W	MS1	8260+OX	SW5030B	/ /	03/22/03	03/23/03	3C22021	1	
		3C22021MSD1	W	SD1	8260+OX	SW5030B	/ /	03/22/03	03/23/03	3C22021	1	

EDFSAMP: Error Summary Log

04/02/03

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

EDFTEST: Error Summary Log

04/02/03

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

EDFRES: Error Summary Log

04/02/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3030406MS1	MS1	W	SW8020F	PR	03/20/03	1	AAATFBZME
Warning: extra parameter	3030406MS1	MS1	W	SW8020F	PR	03/20/03	1	BR4FBZ
Warning: extra parameter	3030406MS1	MS1	W	SW8020F	PR	03/20/03	1	MTBE
Warning: extra parameter	3030406MSD1	SD1	W	SW8020F	PR	03/20/03	1	AAATFBZME
Warning: extra parameter	3030406MSD1	SD1	W	SW8020F	PR	03/20/03	1	BR4FBZ
Warning: extra parameter	3030406MSD1	SD1	W	SW8020F	PR	03/20/03	1	MTBE
Warning: extra parameter	MMC045401	CS	W	SW8020F	PR	03/20/03	1	AAATFBZME
Warning: extra parameter	MMC045401	CS	W	SW8020F	PR	03/20/03	1	BR4FBZ
Warning: extra parameter	MMC045401	CS	W	SW8020F	PR	03/20/03	1	MTBE
Warning: extra parameter	MMC045402	CS	W	SW8020F	PR	03/20/03	1	AAATFBZME
Warning: extra parameter	MMC045402	CS	W	SW8020F	PR	03/20/03	1	BR4FBZ
Warning: extra parameter	MMC045402	CS	W	SW8020F	PR	03/20/03	1	MTBE
Warning: extra parameter	MMC045403	CS	W	SW8020F	PR	03/20/03	1	AAATFBZME
Warning: extra parameter	MMC045403	CS	W	SW8020F	PR	03/20/03	1	BR4FBZ
Warning: extra parameter	MMC045403	CS	W	SW8020F	PR	03/20/03	1	MTBE
Warning: extra parameter	MMC045404	CS	W	SW8020F	PR	03/20/03	1	AAATFBZME
Warning: extra parameter	MMC045404	CS	W	SW8020F	PR	03/20/03	1	BR4FBZ
Warning: extra parameter	MMC045404	CS	W	SW8020F	PR	03/20/03	1	MTBE
Warning: extra parameter	3030406BLK1	LB1	WQ	SW8020F	PR	03/20/03	1	AAATFBZME
Warning: extra parameter	3030406BLK1	LB1	WQ	SW8020F	PR	03/20/03	1	BR4FBZ
Warning: extra parameter	3030406BLK1	LB1	WQ	SW8020F	PR	03/20/03	1	MTBE
Warning: extra parameter	3030406BS1	BS1	WQ	SW8020F	PR	03/20/03	1	AAATFBZME
Warning: extra parameter	3030406BS1	BS1	WQ	SW8020F	PR	03/20/03	1	BR4FBZ
Warning: extra parameter	3030406BS1	BS1	WQ	SW8020F	PR	03/20/03	1	MTBE

EDFQC: Error Summary Log

04/02/03

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

EDFCL: Error Summary Log

04/02/03

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

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	9500	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	8.8	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		06/20/96	329.45	6.01	323.44	—	—		—	—	—	—	—		—	—
MW-4		08/21/96	329.45	—	—	ND<250	470		ND<12	ND<25	ND<25	ND<25	ND<250		7.7	SPL
MW-4		10/31/96	329.45	6.37	323.08	ND<250	1600		ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		7.1	SPL
MW-4		12/02/96	329.45	6.71	322.74	ND<50	13000		ND<5	ND<10	ND<10	ND<10	2200		7.3	SPL
MW-4		03/27/97	329.45	5.70	323.75	8300	1500		44	ND<25	ND<25	ND<25	6000		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	06/20/96	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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