RO-2431

URS

January 21, 2005

Alameda County
JAN 2 3 2005
Environmental Health

Mr. Robert Schultz
Alameda County Health Services Agency,
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: Fourth Quarter 2004 Groundwater Monitoring Report
Former BP Service Station # 11120
6400 Dublin Road
Dublin, California
URS Project #38486798

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company (RM), a BP affiliated company, URS Corporation (URS) is submitting the *Fourth Quarter 2004 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. 3/31/06
STATE OF CALIFORNIA

Leonard P. Niles

Leonard P. Niles, R.G./C.H.G.
Project Manager

Enclosure: Fourth Quarter 2004 Groundwater Monitoring Report

cc: Mr. Kyle Christie, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS
Ms. Liz Sewell, ConocoPhillips, electronic copy uploaded to URS ftp site

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
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REPORT

FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT

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

Prepared for
RM

January 21, 2005

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486798

Date: January 21, 2005

Quarter: 4Q 04

RM QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.: 11120 Address: 6400 Dublin Road, Dublin, CA

RM Environmental Business Manager: Kyle Christie

Consulting Co./Contact Person: URS Corporation / Leonard Niles

Consultant Project No.: 38486798

Primary Agency: Alameda County Environmental Health (ACEH)

WORK PERFORMED THIS QUARTER (Fourth – 2004):

1. Performed fourth quarter 2004 groundwater monitoring event on December 13, 2004.
2. Prepared and submitted third quarter 2004 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (First – 2005):

1. Prepare and submit this fourth quarter 2004 groundwater monitoring report.
2. Perform first quarter 2005 groundwater monitoring event.
3. Prepare and submit first quarter 2005 groundwater monitoring report.

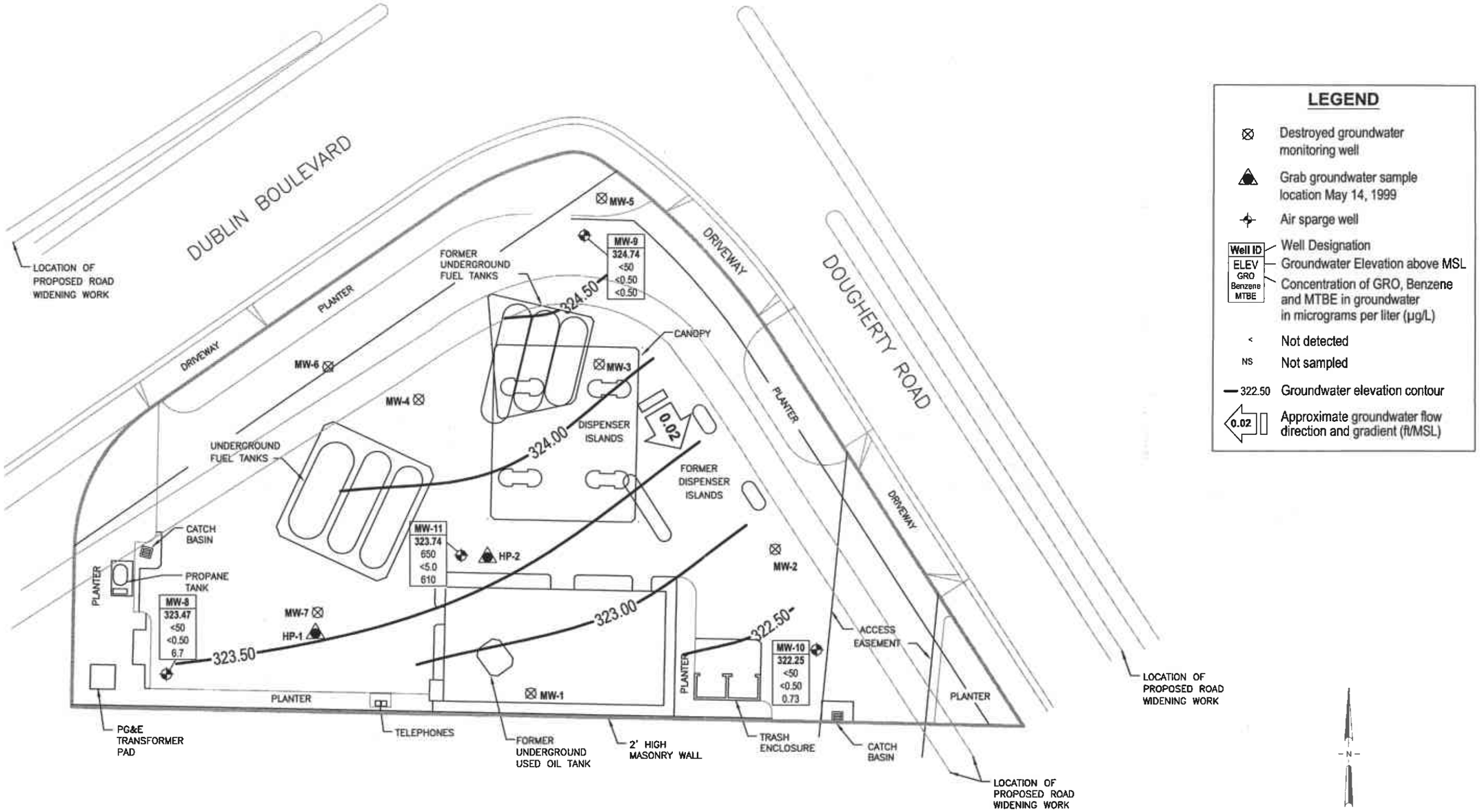
Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-8 through MW-11 quarterly
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	5.19 (MW-10) to 6.01 (MW-11) Feet
Groundwater Gradient (direction):	South-Southeast
Groundwater Gradient (magnitude):	0.02 feet per foot

DISCUSSION:

Methyl tert-butyl ether (MTBE) was detected at or above the laboratory reporting limit in three of the four wells sampled this quarter at concentrations ranging from 0.73 µg/L (MW-10) to 610 µg/L (MW-11). Gasoline range organics (GRO) were detected at or above the laboratory reporting limit in one well (MW-11) at a concentration of 650 µg/L. Benzene, toluene, ethylbenzene, and xylenes (BTEX), and other fuel additives were not detected at or above the laboratory reporting limit in any of the four wells sampled this quarter.

ATTACHMENTS:

- Figure 1– Groundwater Elevation Contour and Analytical Summary Map – December 13, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – Error Check Reports and EDF/Geowell Submittal Confirmations
- Attachment D – Historical Groundwater Analytical Data for Former Wells Abandoned in 1999 (Source Alisto Engineering)



LEGEND

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

N

0 15 30 60

Scale (ft)

URS	Project No. 38486798 Former BP Station #11120 6400 Dublin Boulevard Dublin, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2004 (December 13, 2004)	FIGURE 1

Jan 18, 2005 - 4:40pm
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Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-8	02/25/2002	--	328.94	6.02	--	322.92	<50	<0.5	<0.5	<0.5	<0.5	1.98	--	PACE	--	
	09/30/2002	--	328.94	6.16	--	322.78	<50	<0.5	<0.5	<0.5	<0.5	2.9/4.8	--	SEQM	--	a
	12/13/2002	--	328.94	5.81	--	323.13	<50	<0.5	<0.5	<0.5	<0.5	5.9/6.4	--	SEQM	--	a
	03/12/2003	--	328.94	5.80	--	323.14	<50	<0.50	<0.50	<0.50	<0.50	4.3/3.8	--	SEQM	--	
	06/28/2003	--	328.94	5.70	--	323.24	<50	<0.50	<0.50	<0.50	<0.50	4.1	--	SEQM	--	b
	09/30/2003	--	328.94	5.90	--	323.04	<50	<0.50	<0.50	<0.50	<0.50	4.1	--	SEQM	--	
	12/05/2003	P	328.94	5.89	--	323.05	<50	<0.50	<0.50	<0.50	<0.50	6.7	--	SEQM	7.2	
	03/10/2004	P	328.94	4.74	--	324.20	<50	<0.50	<0.50	<0.50	<0.50	5.1	--	SEQM	6.7	
	06/21/2004	P	328.94	6.12	--	322.82	<50	<0.50	<0.50	<0.50	<0.50	7.5	--	SEQM	7.0	
	09/17/2004	P	328.94	6.38	--	322.56	<50	<0.50	<0.50	<0.50	<0.50	6.6	--	SEQM	7.2	
	12/13/2004	**P**	**328.94**	**5.47**	**--**	**323.47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**6.7**	**--**	**SEQM**	**6.8**	
MW-9	02/25/2002	--	329.96	5.90	--	324.06	<250	<2.50	<2.50	<2.50	<5.00	<2.50	--	PACE	--	
	09/30/2002	--	329.96	6.92	--	323.04	<50	<0.5	<0.5	<0.5	<0.5	1.4/3.3	--	SEQM	--	a
	12/13/2002	--	329.96	6.51	--	323.45	<50	<0.5	<0.5	<0.5	<0.5	0.53/<2.5	--	SEQM	--	a
	03/12/2003	--	329.96	6.86	--	323.10	<50	<0.50	<0.50	<0.50	<0.50	0.59/<2.5	--	SEQM	--	
	06/28/2003	--	329.96	5.95	--	324.01	<50	<0.50	<0.50	<0.50	<0.50	1.0	--	SEQM	--	b
	09/30/2003	--	329.96	6.24	--	323.72	<50	<0.50	<0.50	<0.50	<0.50	16	--	SEQM	--	
	12/05/2003	P	329.96	7.21	--	322.75	<50	<0.50	<0.50	<0.50	<0.50	33	--	SEQM	7.6	
	03/10/2004	P	329.96	5.37	--	324.59	<50	<0.50	<0.50	<0.50	<0.50	2.4	--	SEQM	7.1	
	06/21/2004	P	329.96	6.67	--	323.29	<50	<0.50	<0.50	<0.50	<0.50	1.6	--	SEQM	7.8	
	09/17/2004	P	329.96	7.89	--	322.07	<50	<0.50	<0.50	<0.50	<0.50	0.72	--	SEQM	7.5	
	12/13/2004	**P**	**329.96**	**5.22**	**--**	**324.74**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**--**	**SEQM**	**7.6**	
MW-10	02/25/2002	--	327.44	4.21	--	323.23	53	2.58	<0.5	2.83	8.46	<0.5	--	PACE	--	
	09/30/2002	--	327.44	4.71	--	322.73	<50	<0.5	<0.5	<0.5	<0.5	0.51/2.8	--	SEQM	--	a
	12/13/2002	--	327.44	6.36	--	321.08	<50	<0.5	<0.5	<0.5	<0.5	<0.5/<2.5	--	SEQM	--	a
	03/12/2003	--	327.44	7.96	--	319.48	<50	<0.50	<0.50	<0.50	<0.50	0.76/<2.5	--	SEQM	--	
	06/28/2003	--	327.44	7.70	--	319.74	<50	<0.50	<0.50	<0.50	<0.50	0.68	--	SEQM	--	b
	09/30/2003	--	327.44	7.57	--	319.87	<50	<0.50	<0.50	<0.50	<0.50	0.71	--	SEQM	--	
	12/05/2003	P	327.44	6.64	--	320.80	<50	<0.50	<0.50	<0.50	<0.50	0.78	--	SEQM	7.1	
	03/10/2004	P	327.44	5.20	--	322.24	<50	<0.50	<0.50	<0.50	<0.50	0.58	--	SEQM	6.4	
	06/21/2004	P	327.44	7.45	--	319.99	<50	<0.50	<0.50	<0.50	<0.50	1.1	--	SEQM	7.0	
	09/17/2004	P	327.44	7.49	--	319.95	<50	<0.50	<0.50	<0.50	<0.50	0.82	--	SEQM	7.0	
	12/13/2004	**P**	**327.44**	**5.19**	**--**	**322.25**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**0.73**	**--**	**SEQM**	**6.8**	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-11	02/25/2002	--	329.75	6.02	--	323.73	1,800	1.34	<0.5	<0.5	<1.0	2,550	--	PACE	--	
	09/30/2002	--	329.75	7.12	--	322.63	<50	<0.5	<0.5	<0.5	<0.5	1,500/1,400	--	SEQM	--	a
	12/13/2002	--	329.75	6.60	--	323.15	1,300	<10	<10	<10	<10	1,400/2,000	--	SEQM	--	a
	03/12/2003	--	329.75	5.79	--	323.96	<500	<5.0	<5.0	<5.0	<5.0	650/2,900	--	SEQM	--	
	06/28/2003	--	329.75	5.68	--	324.07	<5,000	<50	<50	<50	<50	2,500	--	SEQM	--	b
	09/30/2003	--	329.75	6.68	--	323.07	5,100	<25	<25	<25	<25	3,200	--	SEQM	--	
	12/05/2003	P	329.75	6.69	--	323.06	<5,000	<50	<50	<50	<50	3,500	--	SEQM	7.2	
	03/10/2004	P	329.75	5.29	--	324.46	3,000	<25	<25	<25	<25	1,800	--	SEQM	6.8	
	06/21/2004	P	329.75	6.65	--	323.10	<5,000	<50	<50	<50	<50	1,900	--	SEQM	7.1	
	09/17/2004	P	329.75	7.02	--	322.73	<2,500	<25	<25	<25	<25	1,700	--	SEQM	7.1	
	12/13/2004	**P**	**329.75**	**6.01**	**--**	**323.74**	**650**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**610**	**--**	**SEQM**	**6.9**	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

ABBREVIATIONS AND SYMBOLS:
TOC = Top of Casing
DTW = Depth to Water
GWE = Groundwater Elevation
GRO = Gasoline range organics, C4-C12
TPH-g = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert butyl either by EPA method 8021B (prior to 6/28/03) or 8260B
DO = Dissolved oxygen
ug/L = Micrograms per liter
mg/L = Milligrams per liter
< = Not detected at or above laboartory reporting limit
-- = Not sampled/applicable/analyzed/measured
PACE = Pace, Inc.
SEQM = Sequoia Analytical Laboratory

FOOTNOTES:
(a) 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
(b) Beginning on the second quarter 2003 monitoring event (6/28/03),TPHg, BTEX, MTBE and fuel oxygenates analyzed by EPA Method 8260B.

NOTES:
Top of casing elevations surveyed relative to an elevation of 18.409 feet above mean sea level.

Groundwater elevations in feet above mean sea level.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

The data within this table collected prior to June 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Additives Analytical Data

Former BP 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)	Footnotes/ Comments
MW-8	03/12/2003	<100	<20	4.3/3.8	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/28/2003	<100	<20	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/2003	<100	<20	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/05/2003	<100	<20	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2004	<100	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/21/2004	<100	<20	7.5	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/17/2004	16	<20	6.6	<0.50	<0.50	<0.50	<0.50	<0.50	b
	12/13/2004	**<100**	**<20**	**6.7**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-9	03/12/2003	<100	<20	0.59/<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/28/2003	<100	<20	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/2003	<100	<20	16	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/05/2003	<100	<20	33	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/21/2004	<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/17/2004	13	<20	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	b
	12/13/2004	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-10	03/12/2003	<100	<20	0.76/<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/28/2003	<100	<20	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/2003	<100	<20	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/05/2003	<100	<20	0.78	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2004	<100	<20	0.58	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/21/2004	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/17/2004	9.4	<20	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	b
	12/13/2004	**<100**	**<20**	**0.73**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-11	03/12/2003	<1,000	<200	650/2,900	<5.0	<5.0	<5.0	<5.0	<5.0	
	06/28/2003	<10,000	<2,000	2,500	<50	<50	<50	<50	<50	
	09/30/2003	<5,000	<1,000	3,200	<25	<25	<25	<25	<25	
	12/05/2003	<10,000	<2,000	3,500	<50	<50	<50	<50	<50	
	03/10/2004	<5,000	<1,000	1,800	<25	<25	<25	<25	<25	a
	06/21/2004	<10,000	<2,000	1,900	<50	<50	<50	<50	<50	
	09/17/2004	13	<1,000	1,700	<25	<25	<25	<25	<25	b
	12/13/2004	**<1,000**	**<200**	**610**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	

Table 2

Fuel Additives Analytical Data

Former BP Station #11120
6400 Dublin Blvd., Dublin, CA

ABBREVIATIONS AND SYMBOLS:
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
ug/L = micrograms per liter
< = Not detected at or above laboratory reporting limits.

FOOTNOTES:
(a) The continuing calibration verification was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.
(b) Split samples were analyzed for ethanol by EPA Method 8260B SIM; Ethanol was detected in trip blank at 34 micrograms per liter. Ethanol was not detected in confirmatory analysis of samples and trip blank on a different instrument; however, holding time had expired by then.

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

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 # 041213-PC2 Date 12/13/04 Client BP WRD

Site 6400 Dublin Blvd., Dublin

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-8	2					5.47	19.62	TOC	
MW-9	2					5.22	19.63		
MW-10	2					5.19	19.69		
MW-11	2					6.01	19.45		
		7 Caps removed 15min Prior to gauging							

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 041213-PC2	Station # BP 11120
Sampler: PC	Date: 12/13/04
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.62	Depth to Water: 5.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer / Disposable Bailer / ^Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / ^Disposable Bailer / Extraction Port / Other: ____

Top of Screen: ____

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

2.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1235	68.2	6.8	2696	2.3	cloudy
1240	68.7	6.8	2731	4.6	"
1245	69.0	6.8	2686	6.9	

Did well dewater? Yes (No) Gallons actually evacuated: 7

Sampling Time: 1255 Sampling Date: 12/13/04

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

Analyzed for: GRO BTEX MTBE DRO Other: see COC

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 #: 041213-PC2	Station # BP 11120
Sampler: PC	Date: 12/13/04
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.63	Depth to Water: 5.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method:
- Bailer
- Disposable Bailer
- (✓) Positive Air Displacement
- Electric Submersible
- Extraction Pump
- Other: ____

Sampling Method:
- Bailer
- (✓) Disposable Bailer
- Extraction Port
- Other: ____

Top of Screen: ____

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

2.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1204	66.3	7.6	1885	2.3	
1210	66.5	7.6	922	4.6	
1215	66.9	7.6	889	6.9	

Did well dewater? Yes (No) Gallons actually evacuated: 7

Sampling Time: 1224 Sampling Date: 12/13/04

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

Analyzed for: GRO BTEX MTBE DRO Other: See COC

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 #: 041213-PC2	Station # BP 11120
Sampler: PC	Date: 12/13/04
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.69	Depth to Water: 5.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer / Disposable Bailer / (Positive Air Displacement) / Electric Submersible / Extraction Pump / Other: ____

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

Top of Screen: ____

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

2.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1125	66.6	6.7	7297	2.3	cloudy
1128	67.3	6.8	7123	4.6	↓
1134	67.4	6.8	7230	6.9	

Did well dewater? Yes (No) Gallons actually evacuated: 7

Sampling Time: 1150 Sampling Date: 12/13/04

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

Analyzed for: GRO BTEX MTBE DRO Other: see COC

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 #: 041213-PC2	Station # BP 11120
Sampler: PC	Date: 12/13/04
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.45	Depth to Water: 6.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method:
- Bailer
- Disposable Bailer
- (Positive Air Displacement)
- Electric Submersible
- Extraction Pump
- Other: _____

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

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1308	69.3	7.0	2093	2.2	
1314	68.0	7.0	2017	4.4	
1318	68.0	6.9	2011	6.6	

Did well dewater? Yes (No)

Gallons actually evacuated: 6.6

Sampling Time: 1328

Sampling Date: 12/13/04

Sample I.D.: MW11

Laboratory: Pace (Sequoia) Other _____

Analyzed for: GRO BTEX MTBE DRO Other: See COC

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

BP GEM OIL COMPANY TYPE A BILL OF LADING

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

The contractor performing this work is 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:

28

added equip. rinse water 8

any other adjustments

TOTAL GALS. RECOVERED 36

loaded onto BTS vehicle # 52

BTS event #	time	date
041213-PC2	1230	12/13/04

signature D. Atwi

* *

REC'D AT	time	date
BTS		12/13/04

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 RM have been reviewed and verified by that laboratory.

Sequoia
Analytical

885 Jarvis Drive
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28 December, 2004

Leonard Niles
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11120, Dublin, CA
Work Order: MNL0444

Enclosed are the results of analyses for samples received by the laboratory on 12/14/04 12:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes

Leticia Reyes For Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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URS Corporation [Arco]	Project:BP Heritage #11120, Dublin, CA	MNL0444
1333 Broadway, Suite 800	Project Number:G07TM-0007	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/28/04 16:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	MNL0444-01	Water	12/13/04 12:55	12/14/04 12:30
MW-9	MNL0444-02	Water	12/13/04 12:24	12/14/04 12:30
MW-10	MNL0444-03	Water	12/13/04 11:50	12/14/04 12:30
MW-11	MNL0444-04	Water	12/13/04 13:28	12/14/04 12:30
TB-1112012132004	MNL0444-05	Water	12/13/04 00:00	12/14/04 12:30

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with intact custody seals.

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11120, Dublin, CA	MNL0444
1333 Broadway, Suite 800	Project Number:G07TM-0007	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/28/04 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 (MNL0444-01) Water Sampled: 12/13/04 12:55 Received: 12/14/04 12:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4L23018	12/23/04	12/24/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**6.7**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*78-129*		"	"	"	"	
MW-9 (MNL0444-02) Water Sampled: 12/13/04 12:24 Received: 12/14/04 12:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4L23018	12/23/04	12/24/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project:BP Heritage #11120, Dublin, CA Project Number:G07TM-0007 Project Manager:Leonard Niles	MNL0444 **Reported:** 12/28/04 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-10 (MNL0444-03) Water Sampled: 12/13/04 11:50 Received: 12/14/04 12:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4L23018	12/23/04	12/24/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.73**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*78-129*		"	"	"	
MW-11 (MNL0444-04) Water Sampled: 12/13/04 13:28 Received: 12/14/04 12:30									
tert-Amyl methyl ether	ND	5.0	ug/l	10	4L23018	12/23/04	12/24/04	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**610**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**650**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*		*78-129*		"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11120, Dublin, CA	MNL0444
1333 Broadway, Suite 800	Project Number:G07TM-0007	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/28/04 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 4L23018 - EPA 5030B P/T / EPA 8260B										
Blank (4L23018-BLK1)				Prepared & Analyzed: 12/23/04						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.27*		"	*5.00*		*105*	*78-129*			
Laboratory Control Sample (4L23018-BS1)				Prepared & Analyzed: 12/23/04						
tert-Amyl methyl ether	10.5	0.50	ug/l	10.0		105	82-140			
Benzene	10.2	0.50	"	10.0		102	69-124			
tert-Butyl alcohol	50.9	20	"	50.0		102	56-131			
Di-isopropyl ether	10.6	0.50	"	10.0		106	76-130			
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0		108	77-132			
1,2-Dichloroethane	10.7	0.50	"	10.0		107	77-136			
Ethanol	184	100	"	200		92	31-143			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	81-121			
Ethylbenzene	10.7	0.50	"	10.0		107	84-132			
Methyl tert-butyl ether	10.6	0.50	"	10.0		106	63-137			
Toluene	10.2	0.50	"	10.0		102	78-129			
Xylenes (total)	31.8	0.50	"	30.0		106	83-137			
Surrogate: 1,2-Dichloroethane-d4	*4.64*		"	*5.00*		*93*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11120, Dublin, CA	MNL0444
1333 Broadway, Suite 800	Project Number:G07TM-0007	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/28/04 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 4L23018 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (4L23018-BS2)				Prepared & Analyzed: 12/23/04						
Benzene	5.67	0.50	ug/l	6.40		89	69-124			
Ethylbenzene	8.45	0.50	"	7.52		112	84-132			
Methyl tert-butyl ether	10.3	0.50	"	9.92		104	63-137			
Toluene	33.4	0.50	"	31.9		105	78-129			
Xylenes (total)	40.5	0.50	"	36.6		111	83-137			
Gasoline Range Organics (C4-C12)	429	50	"	440		98	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.16*		"	*5.00*		*103*	*78-129*			
Laboratory Control Sample Dup (4L23018-BSD1)				Prepared: 12/23/04 Analyzed: 12/24/04						
tert-Amyl methyl ether	10.5	0.50	ug/l	10.0		105	82-140	0	20	
Benzene	10.0	0.50	"	10.0		100	69-124	2	20	
tert-Butyl alcohol	52.4	20	"	50.0		105	56-131	3	20	
Di-isopropyl ether	10.6	0.50	"	10.0		106	76-130	0	20	
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0		105	77-132	3	20	
1,2-Dichloroethane	11.2	0.50	"	10.0		112	77-136	5	20	
Ethanol	162	100	"	200		81	31-143	13	20	
Ethyl tert-butyl ether	10.0	0.50	"	10.0		100	81-121	1	20	
Ethylbenzene	10.4	0.50	"	10.0		104	84-132	3	20	
Methyl tert-butyl ether	10.8	0.50	"	10.0		108	63-137	2	20	
Toluene	9.95	0.50	"	10.0		100	78-129	2	20	
Xylenes (total)	30.0	0.50	"	30.0		100	83-137	6	20	
Surrogate: 1,2-Dichloroethane-d4	*4.80*		"	*5.00*		*96*	*78-129*			
Laboratory Control Sample Dup (4L23018-BSD2)				Prepared: 12/23/04 Analyzed: 12/24/04						
Benzene	5.57	0.50	ug/l	6.40		87	69-124	2	20	
Ethylbenzene	8.36	0.50	"	7.52		111	84-132	1	20	
Methyl tert-butyl ether	9.01	0.50	"	9.92		91	63-137	13	20	
Toluene	36.6	0.50	"	31.9		115	78-129	9	20	
Xylenes (total)	42.2	0.50	"	36.6		115	83-137	4	20	
Gasoline Range Organics (C4-C12)	414	50	"	440		94	70-124	4	20	
Surrogate: 1,2-Dichloroethane-d4	*4.34*		"	*5.00*		*87*	*78-129*			

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URS Corporation [Arco]	Project:BP Heritage #11120, Dublin, CA	MNL0444
1333 Broadway, Suite 800	Project Number:G07TM-0007	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/28/04 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 4L23018 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (4L23018-MS1)	**Source: MNL0349-01**			Prepared: 12/23/04 Analyzed: 12/24/04						
tert-Amyl methyl ether	206	10	ug/l	200	1.8	102	82-140			
Benzene	306	10	"	200	140	83	69-124			
tert-Butyl alcohol	1680	400	"	1000	840	84	56-131			
Di-isopropyl ether	211	10	"	200	ND	106	76-130			
1,2-Dibromoethane (EDB)	209	10	"	200	ND	104	77-132			
1,2-Dichloroethane	227	10	"	200	26	100	77-136			
Ethanol	3580	2000	"	4000	ND	90	31-143			
Ethyl tert-butyl ether	199	10	"	200	1.6	99	81-121			
Ethylbenzene	215	10	"	200	ND	108	84-132			
Methyl tert-butyl ether	1440	10	"	200	1500	NR	63-137			BB,LN
Toluene	213	10	"	200	ND	106	78-129			
Xylenes (total)	642	10	"	600	ND	107	83-137			
Surrogate: 1,2-Dichloroethane-d4	*4.44*		"	*5.00*		*89*	*78-129*			
Matrix Spike (4L23018-MS2)	**Source: MNL0427-23**			Prepared: 12/23/04 Analyzed: 12/24/04						
tert-Amyl methyl ether	109	5.0	ug/l	100	ND	109	82-140			
Benzene	588	5.0	"	100	410	178	69-124			BB,LM
tert-Butyl alcohol	525	200	"	500	31	99	56-131			
Di-isopropyl ether	112	5.0	"	100	0.80	111	76-130			
1,2-Dibromoethane (EDB)	106	5.0	"	100	ND	106	77-132			
1,2-Dichloroethane	123	5.0	"	100	ND	123	77-136			
Ethanol	1490	1000	"	2000	ND	74	31-143			
Ethyl tert-butyl ether	106	5.0	"	100	ND	106	81-121			
Ethylbenzene	117	5.0	"	100	6.8	110	84-132			
Methyl tert-butyl ether	115	5.0	"	100	ND	115	63-137			
Toluene	102	5.0	"	100	2.7	99	78-129			
Xylenes (total)	323	5.0	"	300	5.0	106	83-137			
Surrogate: 1,2-Dichloroethane-d4	*4.86*		"	*5.00*		*97*	*78-129*			

Sequoia Analytical

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

URS Corporation [Arco]	Project:BP Heritage #11120, Dublin, CA	MNL0444
1333 Broadway, Suite 800	Project Number:G07TM-0007	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/28/04 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 4L23018 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (4L23018-MSD1)	**Source: MNL0349-01**			Prepared: 12/23/04		Analyzed: 12/24/04				
tert-Amyl methyl ether	215	10	ug/l	200	1.8	107	82-140	4	20	
Benzene	307	10	"	200	140	84	69-124	0.3	20	
tert-Butyl alcohol	1710	400	"	1000	840	87	56-131	2	20	
Di-isopropyl ether	214	10	"	200	ND	107	76-130	1	20	
1,2-Dibromoethane (EDB)	215	10	"	200	ND	108	77-132	3	20	
1,2-Dichloroethane	250	10	"	200	26	112	77-136	10	20	
Ethanol	3320	2000	"	4000	ND	83	31-143	8	20	
Ethyl tert-butyl ether	204	10	"	200	1.6	101	81-121	2	20	
Ethylbenzene	212	10	"	200	ND	106	84-132	1	20	
Methyl tert-butyl ether	1500	10	"	200	1500	0	63-137	4	20	BB,LN
Toluene	201	10	"	200	ND	100	78-129	6	20	
Xylenes (total)	631	10	"	600	ND	105	83-137	2	20	
Surrogate: 1,2-Dichloroethane-d4	*4.93*		"	*5.00*		*99*	*78-129*			
Matrix Spike Dup (4L23018-MSD2)	**Source: MNL0427-23**			Prepared: 12/23/04		Analyzed: 12/24/04				
tert-Amyl methyl ether	104	5.0	ug/l	100	ND	104	82-140	5	20	
Benzene	581	5.0	"	100	410	171	69-124	1	20	BB,LM
tert-Butyl alcohol	550	200	"	500	31	104	56-131	5	20	
Di-isopropyl ether	107	5.0	"	100	0.80	106	76-130	5	20	
1,2-Dibromoethane (EDB)	103	5.0	"	100	ND	103	77-132	3	20	
1,2-Dichloroethane	114	5.0	"	100	ND	114	77-136	8	20	
Ethanol	2060	1000	"	2000	ND	103	31-143	32	20	RB
Ethyl tert-butyl ether	99.3	5.0	"	100	ND	99	81-121	7	20	
Ethylbenzene	115	5.0	"	100	6.8	108	84-132	2	20	
Methyl tert-butyl ether	110	5.0	"	100	ND	110	63-137	4	20	
Toluene	104	5.0	"	100	2.7	101	78-129	2	20	
Xylenes (total)	319	5.0	"	300	5.0	105	83-137	1	20	
Surrogate: 1,2-Dichloroethane-d4	*4.51*		"	*5.00*		*90*	*78-129*			

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URS Corporation [Arco]	Project:BP Heritage #11120, Dublin, CA	MNL0444
1333 Broadway, Suite 800	Project Number:G07TM-0007	**Reported:**
Oakland CA, 94612	Project Manager:Leonard Niles	12/28/04 16:51

Notes and Definitions

RB	RPD exceeded method control limit; % recoveries within limits.
BB,LN	Sample > 4x spike concentration.
BB,LM	Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name: BP 11120 Analytical for QMR sampling
BP/BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 11120 > Historical/Bl
State or Lead Regulatory Agency: Alameda County Environmental Health Agency
Requested Due Date (mm/dd/yy):

On-site Time: 1100	Temp: 70°
Off-site Time: 1400 / 1340	Temp: 90°
Sky Conditions: clear	
Meteorological Events: none	
Wind Speed:	Direction:

Lab Name: Sequoia	BP/AR Facility No.: 11120	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 6400 Dublin Blvd., Dublin, CA 94568	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.704742 / -121.909	Oakland, CA 94612
Lab PM: Lisa Race	California Global ID No.: T0600101432	Consultant/Contractor Project No.: 38486830
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G07TM-0007	Consultant/Contractor PM: Leonard Niles
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.1720 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 04 - Mon/Remed by Natural Attenuation	Report Type & QC Level: Level 1 with EDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Donna_Cosper@unocal.com
Tele/Fax: 925.299.8891 / 925.299.8872	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO/BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-6	1255	12/6/04		X		01	3				X		X	X	X	X	MDL 0444
2	MW-9	1224	↓		X		02	3				X		X	X	X	X	
3	MW-10	1150			X		03	3				X		X	X	X	X	
4	MW-11	1320			X		04	3				X		X	X	X	X	
5	TB-11201232004		↓		X		05	2										on hold
6																		
7																		
8																		
9																		
10																		

Sampler's Name: R. Cornish	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech	Patt Von	12/6/04	1200		12/6/04	1200
Shipment Date:		12/6/04	1230		12/6/04	1230
Shipment Method:						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes ✓ No Temp Blank Yes ✓ No Cooler Temperature on Receipt 9°C Trip Blank Yes ✓ No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP 11120
REC. BY (PRINT): JD
WORKORDER: 1412 0444

DATE REC'D AT LAB: 12/14/04
TIME REC'D AT LAB: 1230
DATE LOGGED IN: 12-15-04

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ⬇)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	OASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*	01	A.C	MW-8	VOA (3)	HCl	—	W	12/13/04	
	02	↓	-9	↓	↓	↓	↓	↓	
2. Chain-of-Custody Present / Absent*	03	↓	-10	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / Absent	04	↓	-11	↓	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / Absent	05	A.B	TB-111203 12/3/2004	(2)	↓	↓	↓	↓	
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper Preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Temp Rec. at Lab: 5.6 Is temp 4 +/-2°C? Yes / No**									
(Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON ICE or Problem COC									

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

ATTACHMENT C

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL GEO_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	1/11/2005 3:21:19 PM

Processing is complete. No errors were found!
You may now proceed to the upload page.

Back to Main Menu

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Electronic Submittal Information

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UPLOADING A GEO_WELL FILE

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

Submittal Title:	**4Q 2004 Geowell File BP Site 11120**
Submittal Date/Time:	**1/11/2005 3:24:11 PM**
Confirmation Number:	**9193119645**

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CONTACT SITE ADMINISTRATOR.

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SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	1/11/2005 3:25:30 PM
GLOBAL ID:	T0600101432
FILE UPLOADED:	BP#11120-EDF-MNL0444.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

Click here to view the detections report for this upload.

BP
6400 DUBLIN BLVD
DUBLIN, CA 94568

Regional Board - Case #: 01-1556
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**

Local Agency (lead agency) - Case #: 2095
ALAMEDA COUNTY LOP - **(RWS)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y

- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 5130272507
Date/Time of Submittal: 1/11/2005 3:27:03 PM
Facility Global ID: T0600101432
Facility Name: BP
Submittal Title: 4Q 2004 QMR BP Site 11120
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

BP 6400 DUBLIN BLVD DUBLIN, CA 94568	**Regional Board - Case #: 01-1556** SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)** **Local Agency (lead agency) - Case #: 2095** ALAMEDA COUNTY LOP - **(RWS)**

CONF #	TITLE	QUARTER
5130272507	4Q 2004 QMR BP Site 11120	Q4 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	1/11/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

ATTACHMENT D

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

[illegible] GROUNDWATER MONITORING AND SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11180
6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

ALISTO PROJECT NO. 10-170

	MONITORING	(Feet)	(Feet)	(Feet)									
MW-1	11/22/93	328.98	7.38	321.58	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-1	02/07/94	328.98	8.60	320.37	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	4.3	PACE
MW-1	05/09/94	328.98	6.42	322.54	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	5.8	PACE
MW-1	08/12/94	328.98	7.33	321.63	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	7.5	PACE
MW-1	10/20/94	328.98	6.84	322.62	—	—	—	—	—	—	—	—	—
MW-1	10/23/95	328.98	6.04	322.92	—	—	—	—	—	—	—	—	—
MW-1	09/20/96	328.98	5.55	323.31	—	—	—	—	—	—	—	—	—
MW-1 (d)	09/26/96	328.98	—	—	—	—	—	—	—	—	—	—	—
MW-2	10/27/92	328.50	7.91	320.59	—	—	—	—	—	—	—	—	—
MW-2	03/07/94	328.50	5.00	323.50	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	PACE
MW-2	05/09/94	328.50	5.91	322.59	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	4.3	PACE
MW-2	08/12/94	328.50	6.77	321.73	ND<50	76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	5.8	PACE
MW-2	10/20/94	328.50	4.33	324.17	—	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	6.8	ATI
MW-2	09/26/96	328.50	—	—	—	—	—	—	—	—	—	—	—
MW-2	10/31/96	328.50	5.44	323.06	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.0	SPL
MW-2	12/02/96	328.50	5.50	323.00	—	—	—	—	—	—	—	—	—
MW-2	03/25/97	328.50	6.22	322.28	—	—	—	ND<1.0	ND<1.0	ND<1.0	ND<10	5.2	SPL
MW-2	06/25/98	328.50	4.66	323.84	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.6	SPL

24-Aug-98

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11180

ALISTO PROJECT NO. 94-179

	MONITORING	(Feet)	(Feet)	(Feet)	W	PPM	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)		DO (ppm)	LAB
MW-3	11/08/93	[illegible]	7.13	322.23		2000	440	5.1	ND<0.5	ND<0.5	ND<0.5	—	—	[illegible]
MW-3	03/07/94	329.36	7.50	321.70		1600	260	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3300	(c)	PACE
MW-3	06/09/94	329.36	8.09	321.27		1300	5000	ND<2.5	ND<2.5	ND<2.5	ND<2.5	910	(c)	PACE
CC-1 (i)	06/09/94	329.39	6.51	322.88		6600	2600	22	4.0	2.5	5.8	7800	(c)	PACE
MW-3	09/19/94	—	—	—		6800	—	25	6.2	0.5	15	13000	(c)	7.0
		329.36												[illegible]
MW-3	03/16/95	—	—	—		17000	—	79	25	—	8.3	—	(c)	—
CC-1 (i)	03/16/95	329.36	4.39	324.97		6300	7000	79	35	80	ND<2.5	—		7.3
[illegible]	[illegible]	—	—	—		—		420	[illegible]	—		—		PACE
[illegible] (i)	09/08/95	—	—	322.70		10000	2900	[illegible]	ND<10	ND<10	ND<20	—		ATI
MW-3	12/08/95	329.36	—	—		9700	—	ND<50	ND<50	ND<50	ND<400	—		ATI
MW-3	09/20/96	[illegible]	6.31	323.05		[illegible]	[illegible]	ND<50	ND<50	[illegible]	[illegible]	97000		7.1
DC-1 (i)	10/31/96	[illegible]	6.20	323.16		[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	4100		6.6
MW-3	12/09/96	—	—	—		ND<200	ND<500	ND<25	ND<50	ND<50	ND<50	4000		—
CC-1 (i)	[illegible]	329.36	6.27	[illegible]		ND<200	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50		[illegible]
[illegible] (i)	03/03/97	—	—	[illegible]		ND<250	160	[illegible]	ND<1.0	ND<1.0	ND<1.0	[illegible]		—
MW-3	09/16/97	329.36	6.67	322.69		ND<250	—	ND<2.5	ND<5.0	ND<5.0	ND<5.0	490		6.2
MW-3	12/03/97	329.36	—	—		ND<50	—	ND<2.5	ND<5.0	[illegible]	[illegible]	84		5.9
						[illegible]	—	ND<2.5	[illegible]	[illegible]	ND<1.0	ND<10		—
									ND<5.0	ND<5.0	ND<5.0	ND<50		4.9

24-Aug-98

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

ALISTO PROJECT NO. 10-170

ID		SAMPLING/ MONITORING	ELEVATION (a) (Feet)	WATER (Feet)	ELEVATION (b) (Feet)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	MTBE (ug/l)		DO (ppm)	LAB
MW-4		06/25/93	329.45	7.32	322.13	3800	600	78	3.8	68	1.0	—		—	PACE
QC-1	(f)	06/25/93	—	—	—	1800	590	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2100	(e)	—	PACE
MW-4		11/22/93	329.45	7.93	321.52	1800	—	ND<2.5	ND<0.5	ND<0.5	ND<0.5	2100	(e)	—	PACE
QC-1	(f)	11/22/93	—	—	—	610	250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	PACE
MW-4		03/07/94	329.45	6.29	323.16	1700	—	ND<2.5	ND<2.5	ND<2.5	ND<2.5	3500	(e)	—	PACE
MW-4		12/20/94	329.45	6.68	322.77	3000	2700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4200	(e)	7.2	PACE
MW-4		03/19/95	329.45	4.66	324.79	9800	8400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	—		6.1	PACE
MW-4		[illegible]	[illegible]	[illegible]	[illegible]	1400	980	140	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
QC-1	(f)	12/22/95	—	—	—	[illegible]	[illegible]	10	ND<13	ND<13	ND<25	9200		7.1	ATI
MW-4		03/20/96	329.45	6.01	323.44	8900	—	16	ND<13	ND<13	ND<25	8500		—	ATI
MW-4		06/21/96	329.45	—	—	—	—	—	—	—	—	—		—	—
QC-1	(f)	06/27/97	—	[illegible]	[illegible]	8300	1500	44	ND<25	ND<25	ND<25	[illegible]		[illegible]	SPL
MW-4		09/03/97	329.45	8.37	—	6600	—	51	ND<25	ND<25	ND<25	8000		6.2	SPL
MW-4		09/18/97	[illegible]	[illegible]	321.08	8800	270	[illegible]	[illegible]	[illegible]	[illegible]	8600		—	SPL
[illegible]		[illegible]	329.45	5.15	324.30	520	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.0	SPL
MW-5		04/09/93	329.60	5.16	[illegible]	[illegible]	[illegible]	0.52	ND<1.0	ND<1.0	ND<1.0	1100		5.3	SPL
MW-5		06/09/94	329.60	6.73	322.87	ND<50	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		—	PACE
MW-5		09/19/94	329.60	7.78	321.82	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—		5.7	PACE
MW-5		12/20/94	329.60	[illegible]	[illegible]	ND<50	150	[illegible]	[illegible]	[illegible]	[illegible]	—		7.7	PACE
MW-5		12/22/95	329.60	6.40	322.76	ND<50	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		7.3	ATI
MW-5		03/20/96	329.60	5.96	323.20	—	—	—	—	—	—	—		—	—
MW-5		03/27/97	329.60	5.33	323.23	—	—	—	—	—	—	—		—	—
MW-5		06/03/97	329.60	8.00	324.27	ND<50	ND<100	ND<0.5	[illegible]	[illegible]	[illegible]	ND<10		6.9	SPL
[illegible]		[illegible]	[illegible]	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

	MONITORING	(Feet)	(Feet)	(Feet)					(ug/l)	(ug/l)	(ug/l)	(ppm)	
MW-6	03/07/94	328.55	6.25	322.30	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	PACE
MW-6	09/09/94	328.55	6.57	322.70	ND<50	90	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	4.8	PACE
MW-6	09/12/94	328.55	7.71	321.84	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	7.0	PACE
MW-6	12/20/94	328.55	6.82	322.73	--	840	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	8.7	PACE
MW-6	03/16/95	328.55	4.78	323.77	--	--	--	--	--	--	--	--	
MW-6	05/20/96	328.55	6.18	322.37	--	--	--	--	--	--	ND<5.0	7.2	ATI
MW-6	08/21/96	328.55	--	--	ND<50	--	--	--	--	--	--	--	--
MW-6	12/19/96	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/19/97	328.55	6.19	322.36	--	ND<200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.3	SPL
MW-6	10/03/97	328.55	6.05	322.50	ND<250	460	ND<0.5	--	--	--	--	--	--
MW-6	--	--	7.02	--	--	--	--	--	--	--	--	--	--
MW-7	09/26/03	329.49	7.44	322.05	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	PACE
MW-7	11/22/93	329.49	7.52	321.97	ND<50	130	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
MW-7	03/07/94	--	--	--	ND<50	--	--	--	--	--	--	--	
MW-7	09/09/94	329.49	6.77	322.72	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	6.8	PACE
MW-7	09/12/94	329.49	4.77	324.72	ND<50	ND<500	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	6.8	PACE
MW-7	12/20/94	329.49	5.94	323.55	--	--	ND<0.50	--	--	--	--	6.5	PACE
MW-7	03/16/95	329.49	6.89	322.60	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	7.2	6.9	ATI
MW-7	10/31/95	329.49	6.89	322.60	ND<50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	--	--	--
MW-7	12/19/96	329.49	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/03/97	329.49	6.59	322.90	190	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.6	SPL
MW-7 (b)	09/28/98	329.49	6.93	322.56	ND<50	ND<100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	830	6.8	SPL
			4.95			ND<250	ND<0.5				8200		

24-Aug-98

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11120
[illegible]

AUSTIN PROJECT NO. 10-170

	MONITORING	(Feet)	(Feet)	(Feet)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-2	08/03/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	FACE
MW-2	09/12/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	FACE
MW-2	12/20/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	FACE
MW-2	03/10/95	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	FACE
MW-2	08/28/95	—	—	—	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	ATI
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ABBREVIATIONS:

B Benzene
T Toluene
E [illegible]
— [illegible]
ug/l Micrograms per liter
ppm Parts per million
[illegible]
ATI Analytical Technologies, Inc.
SPL Southern Petroleum Laboratories

NOTES:

(1) Groundwater elevations relative to an arbitrary datum.

(2) Well inaccessible.

[illegible]

(3) MTBE peak. Refer to documentation for this data in Appendix C of Austin report 10-170-05-001.

[illegible]

24-Aug-95

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING FOR EPA METHOD 8020 AND VOCS

[illegible] OIL COMPANY SERVICE STATION NO. 11120

6400 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

WELL	DATE OF	B	T	E	[illegible]	[illegible]	DIPE	ETBE	[illegible]	[illegible]	[illegible]
MW-4	06/26/98	ND<5	ND<5	ND<5	ND<5	ND<10	ND<10	ND<10	ND<500	ND<10	[illegible]

ABBREVIATIONS:

T Toluene
E Ethylbenzene

DIPE Di-isopropyl ether
ETBE Ethyl t-butyl ether

ug/l Micrograms per liter
ND Not detected above reported detection limit

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