RO-2436

URS

February 26, 2003

Alameda County

MAR 04 2003

Environmental Health

Mr. Scott Seery
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Fourth Quarter 2002 Groundwater Monitoring Report
ARCO Service Station # 4977
2770 Castro Valley Blvd
Castro Valley, California
URS Project # 38486124

Dear Mr. Seery

On behalf of Atlantic Richfield Company (ARCO - an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Fourth Quarter 2002 Groundwater Monitoring Report* at ARCO Service Station # 4977, located at 2770 Castro Valley Blvd, Castro Valley, California.

If you have any questions regarding this submission, please call (510) 874-3280.

Sincerely,
URS CORPORATION

Scott Robinson
Project Manager

Steve Krcik, R.G.
Project Geologist

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4976
EXP
STATE OF CALIFORNIA

Enclosure: Fourth Quarter 2002 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, PO Box 6549, Moraga, California 94570

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

Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 6549
Moraga, California 94570
Phone: (925) 299-8891
Fax: (925) 299-8872

February 27, 2003

Re: Fourth Quarter 2002 Groundwater Monitoring Report
ARCO Station #4977
2770 Castro Valley Rd
Castro Valley, CA

I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple
Environmental Business Manager

REPORT

FOURTH QUARTER 2002 GROUNDWATER MONITORING

ARCO SERVICE STATION #4977
2770 CASTRO VALLEY BLVD
CASTRO VALLEY, CALIFORNIA

Prepared for
Atlantic Richfield Company

February 26, 2003

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

38486124

Date: February 26, 2003

Quarter: 4Q 02

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.:	4977	Address:	2770 Castro Valley Blvd, Castro Valley, CA
ARCO Environmental Engineer:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486124
Primary Agency:			ACHCSA

WORK PERFORMED THIS QUARTER (Fourth – 2002):

1. Performed fourth quarter 2002 groundwater monitoring event on December 16, 2002.
2. Prepared third quarter 2002 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (First – 2003):

1. Prepare and submit fourth quarter 2002 groundwater monitoring report.
2. Perform first quarter 2003 groundwater monitoring event.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-1 through MW-3
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	6.76 ft (MW-3) to 8.55 ft (MW-1)
Groundwater Gradient (direction):	Southeast
Groundwater Gradient (magnitude):	0.029 feet per foot

DISCUSSION:

TPH-g was detected in all three wells at concentrations ranging from 77 µg/L (MW-1) to 17,000 µg/L (MW-2). Benzene was detected in all three wells at concentrations ranging from 1.8 µg/L (MW-1) to 1,000 µg/L (MW-2). MTBE was detected in all three wells at concentrations ranging from 42 µg/L (MW-1) to 980 µg/L (MW-2).

ATTACHMENTS:

- Table 1 - Groundwater Elevation and Analytical Data
- Table 2 - Summary of Groundwater Flow Direction and Gradient
- Table 3 – Oxygenate Analytical Data
- Figure 1 - Groundwater Elevation Contour and Analytical Summary Map – December 16, 2002
- Attachment A - Field Procedures and Field Data Sheets
- Attachment B - Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C - EDCC Report/ Geowell Submittal Confirmation

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #4977
2770 Castro Valley Road
Castro Valley, California

Sample ID	Date		Top of Casing Elevation (ft amsl)	Depth to Groundwater (ft. btc)	Groundwater Elevation (ft amsl)	TPH-g (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
MW-1	04/19/02		161.11	11.21	149.90	660	12	1.3	4.3	0.80	38
	09/27/02			9.29	151.82	130	7.7	0.87	5.4	0.79	39
	12/16/02	*		**8.55**	**152.56**	**77**	**1.8**	**ND<0.50**	**0.69**	**ND<1.0**	**42**
MW-2	04/19/02		161.87	6.59	155.28	28,000	970	120	860	6,900	760
	09/27/02			7.18	154.69	17,000	1,400	ND<50	1,200	3,700	1,400
	12/16/02	*		**7.31**	**154.56**	**17,000**	**1,000**	**ND<50**	**980**	**3,300**	**980**
MW-3	04/19/02		162.14	6.94	155.20	1,200	29	1.1	43	62	1,700
	09/27/02			8.26	153.88	740	7.8	ND<2.5	6.8	4.4	1,100
	12/16/02	*		**6.76**	**155.38**	**1,200**	**13**	**ND<10**	**170**	**88**	**910**

amsl = above mean sea level
btc = below top of casing
TPHg = Total petroleum hydrocarbons in the gasoline range (C5-C9).
MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted.
mg/L = micrograms per liter
ND< = Not detected at or above laboratory reporting limits
* =TPH, BTEX, and MTBE analyzed by EPA Method 8260B beginning on 4th Quarter Sampling event (12/16/02)

Source : The data within this table collected prior to September 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
Groundwater Flow Direction and Gradient

ARCO Service Station #4977
2770 Castro Valley Road
Castro Valley, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
04/19/02	Southwest	0.038
09/27/02	Southwest	0.021
12/16/02	**Southeast**	**0.029**

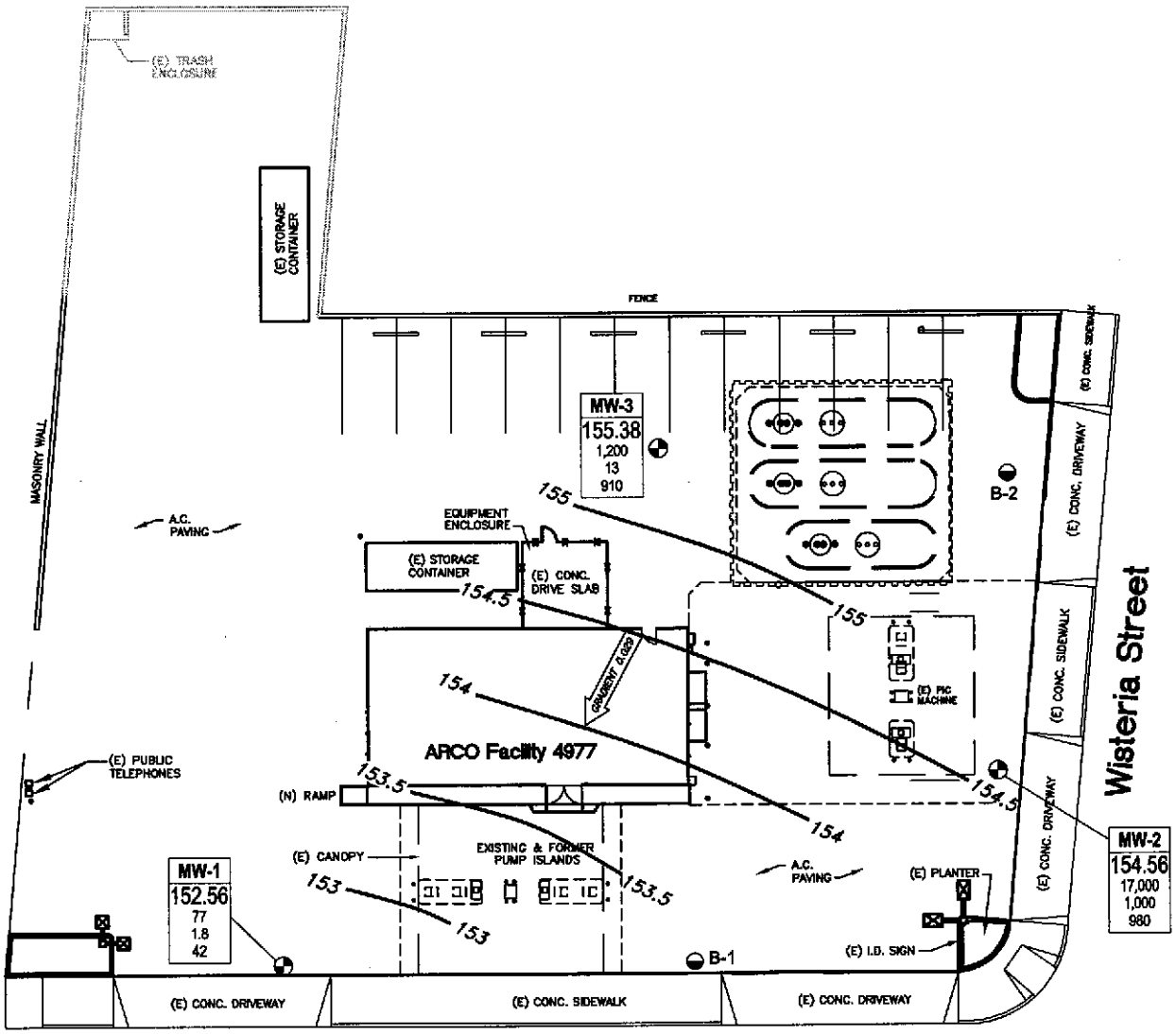
Source : The data within this table collected prior to September 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

Table 3
Oxygenate Analytical Data

ARCO Service Station #4977
2770 Castro Valley Boulevard
Castro Valley, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-Dichloro-ethane (µg/L)	1,2 Dibromo-ethane (EDB) (µg/L)
MW-1	12/16/02	ND<50	ND<5.0	42	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2	12/16/02	ND<5,000	ND<500	980	ND<50	ND<50	ND<50	ND<50	ND<50
MW-3	12/16/02	ND<1,000	ND<100	910	ND<10	ND<10	12	ND<10	ND<10

Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- Well / ELEV / TPH-g / Benzene / MTBE — WELL DESIGNATION; GROUNDWATER ELEVATION (FT/MSL); CONCENTRATION OF TOTAL PETROLEUM HYDROCARBONS AS GASOLINE, BENZENE, AND MTBE IN GROUNDWATER IN
- 152 — GROUNDWATER ELEVATION CONTOUR (FT/MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT

NORTH

0 30 60

SCALE IN FEET

NOTE: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

X:\x_env\waste\BP GEM\Sites\Scott Robinson\Paul Supple\4977\Monitoring\Qtr 4, 2002\Drawings\GWEC-AS_12-16.dwg

URS	Project No. 38486124 Arco Service Station #4977 2770 Castro Valley Boulevard Castro Valley, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2002 (December 16, 2002)	FIGURE 1

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 # 021216-RH2 Date 12/16/02 Client BP/Arco 4977

Site 2770 Castro Valley Blvd, Castro Valley

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-1	4					8.55	15.10		
mw-2	4					7.31	14.81		
mw-3	4					6.76	15.11		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 021216-RH2	Station # 4977
Sampler: Ryan Hanstedt	Date: 12/16/02
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 15.10	Depth to Water: 8.55
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.

4.25 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 12.75 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1043	63.1	6.9	1516	4.25	cloudy, sheen
1044	63.1	6.9	1403	8.5	clear
	well dewatered		@ 9.0 gal		DTW = 13.35
1055	64.7	6.9	1528	9.0	clear, DTW = 13.05

Did well dewater? (Yes) No — Gallons actually evacuated: 9.0

Sampling Time: 1055 — Sampling Date: 12/16/02

Sample I.D.: MW-1 — Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D — Other: oxygenates, 1,2-DCA + EDB (8260)

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	1.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 021216-RH2	Station # 4977
Sampler: Ryan Hanstedt	Date: 12/16/02
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 14.81	Depth to Water: 7.31
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.

4.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 14.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1107	69.3	6.9	1126	4.9	clear
1108	70.3	6.8	1121	9.8	"
1109	Well dewatered @ 12.0 gal.			12.0	DTW = 12.87
1115					DTW = 12.52, clear

Did well dewater? (Yes) No Gallons actually evacuated: 12.0

Sampling Time: 1115 Sampling Date: 12/16/02

Sample I.D.: MW-2 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: oxygenates, 1,2-DCA + EDB (8260)

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.9 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 021216-RH2	Station # 4977
Sampler: Ryan Hanstedt	Date: 12/16/02
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 15.11	Depth to Water: 6.76
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.

5.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 16.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1131	68.7	6.9	915	5.4	cloudy
1132	70.7	6.9	913	10.8	turbid
1133	71.3	6.8	914	16.2	

Did well dewater? Yes (No) Gallons actually evacuated: 16.2

Sampling Time: 1140 Sampling Date: 12/16/02

Sample I.D.: MW-3 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: oxygenates, 1,2-DCA + EDB (8260)

D.O. (if req'd):	Pre-purge:		mg/L	(Post-purge:) 2.3	mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

bp

Chain of Custody Record

Project Name
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Requested Due Date (mm/dd/yy)

Date: 12/16/02

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: 2770 Castro Valley Rd, Castro Valley, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 4977	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #:	Consultant/Contractor Project No.: 25-00004977.01 00427
Lab PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1735/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or (BP/GEM) (Circle one)
BP/GEM Account No.:	Tele/Fax:	BP/GEM Work Release No: INTRIM -50467

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	Requested Analysis: TPH –D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Sample Point Lat/Long and Comments
1	mw-1	1055		X				6				X	X			X	X	
2	mw-2	1115		X				6				X	X			X	X	
3	mw-3	1140		X				6				X	X			X	X	
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Sampler's Name: Ryan Hamstedt	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Blaine Tech	[signature] / BTS				
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 Date 12/16/02

Site Address 2770 Castro Valley Blvd, Castro Valley

Job Number 021216-RH2 Technician Ryan Hanstedt

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-1		X			X			
mw-2					X			
mw-3		X			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:

4977

Station #

2770 Castro Valley Blvd, Castro Valley

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

27

added equip. rinse water 2

any other adjustments

TOTAL GALS. RECOVERED 29

loaded onto BTS vehicle # 15

BTS event #	time	date
~~021226~~ 021216-RH2	1200	12/16/02

signature

* *

REC'D AT	time	date
		/ /

unloaded by signature

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia Analytical

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

7 January, 2003

Scott Robinson
URS Corporation
500 12th Street, Suite 100
Oakland, CA 94607

RE: ARCO #4977, Castro Valley, CA
Sequoia Work Order: MLL0681

Enclosed are the results of analyses for samples received by the laboratory on 12/17/02 17:20. 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
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation	Project: ARCO #4977, Castro Valley, CA	MLL0681
500 12th Street, Suite 100	Project Number: ARCO #4977, Castro Valley, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	01/07/03 13:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MLL0681-01	Water	12/16/02 10:55	12/17/02 17:20
MW-2	MLL0681-02	Water	12/16/02 11:15	12/17/02 17:20
MW-3	MLL0681-03	Water	12/16/02 11:40	12/17/02 17:20

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

Sequoia Analytical

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

URS Corporation	Project: ARCO #4977, Castro Valley, CA	MLL0681
500 12th Street, Suite 100	Project Number: ARCO #4977, Castro Valley, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	01/07/03 13:53

BTEX by EPA Method 8260B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MLL0681-01) Water Sampled: 12/16/02 10:55 Received: 12/17/02 17:20									
Ethanol	ND	50	ug/l	1	2120442	12/27/02	12/27/02	EPA 8260B	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**42**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	**1.8**	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.69**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline (C6-C10)	**77**	50	"	"	"	"	"	"	HC-12
Surrogate: Toluene-d8		*98 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*99 %*		*60-140*	"	"	"	"	
Surrogate: 1,2-DCA-d4		*116 %*		*60-140*	"	"	"	"	
MW-2 (MLL0681-02) Water Sampled: 12/16/02 11:15 Received: 12/17/02 17:20									
Ethanol	ND	5000	ug/l	100	2120476	12/27/02	12/27/02	EPA 8260B	
Tert-butyl alcohol	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	**980**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
Benzene	**1000**	50	"	"	"	"	"	"	
Ethylbenzene	**980**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Xylenes (total)	**3300**	100	"	"	"	"	"	"	
Gasoline (C6-C10)	**17000**	5000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*101 %*		*60-140*	"	"	"	"	
Surrogate: 1,2-DCA-d4		*116 %*		*60-140*	"	"	"	"	

Sequoia Analytical

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URS Corporation	Project: ARCO #4977, Castro Valley, CA	MLL0681
500 12th Street, Suite 100	Project Number: ARCO #4977, Castro Valley, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	01/07/03 13:53

BTEX by EPA Method 8260B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MLL0681-03) Water Sampled: 12/16/02 11:40 Received: 12/17/02 17:20									
Ethanol	ND	1000	ug/l	20	2120476	12/27/02	12/27/02	EPA 8260B	
Tert-butyl alcohol	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**910**	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Tert-amyl methyl ether	**12**	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
Benzene	**13**	10	"	"	"	"	"	"	
Ethylbenzene	**170**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	**88**	20	"	"	"	"	"	"	
Gasoline (C6-C10)	**1200**	1000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*102 %*	*60-140*		"	"	"	"	
Surrogate: 1,2-DCA-d4		*128 %*	*60-140*		"	"	"	"	

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URS Corporation	Project: ARCO #4977, Castro Valley, CA	MLL0681
500 12th Street, Suite 100	Project Number: ARCO #4977, Castro Valley, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	01/07/03 13:53

BTEX by EPA Method 8260B - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120442 - EPA 5030B [P/T]										
Blank (2120442-BLK1)				Prepared & Analyzed: 12/27/02						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline (C6-C10)	ND	50	"							
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*26.5*		"	*25.0*		*106*	*60-140*			
Surrogate: 1,2-DCA-d4	*31.0*		"	*25.0*		*124*	*60-140*			
Laboratory Control Sample (2120442-BS1)				Prepared & Analyzed: 12/27/02						
Methyl tert-butyl ether	22.6	0.50	ug/l	22.4		101	60-140			
Benzene	14.6	0.50	"	13.6		107	70-130			
Toluene	83.4	0.50	"	83.4		100	70-130			
Gasoline (C6-C10)	1110	50	"	1100		101	70-130			
Surrogate: Toluene-d8	*24.8*		"	*25.0*		*99*	*60-140*			
Surrogate: 4-BFB	*25.5*		"	*25.0*		*102*	*60-140*			
Surrogate: 1,2-DCA-d4	*31.7*		"	*25.0*		*127*	*60-140*			
Matrix Spike (2120442-MS1)	**Source: S212673-04**			Prepared & Analyzed: 12/27/02						
Methyl tert-butyl ether	19.7	0.50	ug/l	22.4	ND	88	60-140			
Benzene	12.3	0.50	"	13.6	ND	90	70-130			
Toluene	72.2	0.50	"	83.4	ND	87	70-130			
Gasoline (C6-C10)	893	50	"	1100	ND	81	60-140			
Surrogate: Toluene-d8	*25.3*		"	*25.0*		*101*	*60-140*			

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URS Corporation	Project: ARCO #4977, Castro Valley, CA	MLL0681
500 12th Street, Suite 100	Project Number: ARCO #4977, Castro Valley, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	01/07/03 13:53

BTEX by EPA Method 8260B - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120442 - EPA 5030B [P/T]										
Matrix Spike (2120442-MS1)		**Source: S212673-04**		Prepared & Analyzed: 12/27/02						
Surrogate: 4-BFB	*25.2*		*ug/l*	*25.0*		*101*	*60-140*			
Surrogate: 1,2-DCA-d4	*29.9*		"	*25.0*		*120*	*60-140*			
Matrix Spike Dup (2120442-MSD1)		**Source: S212673-04**		Prepared & Analyzed: 12/27/02						
Methyl tert-butyl ether	20.0	0.50	ug/l	22.4	ND	89	60-140	2	25	
Benzene	12.4	0.50	"	13.6	ND	91	70-130	0.8	25	
Toluene	71.1	0.50	"	83.4	ND	85	70-130	2	25	
Gasoline (C6-C10)	901	50	"	1100	ND	82	60-140	0.9	25	
Surrogate: Toluene-d8	*25.0*		"	*25.0*		*100*	*60-140*			
Surrogate: 4-BFB	*25.8*		"	*25.0*		*103*	*60-140*			
Surrogate: 1,2-DCA-d4	*30.8*		"	*25.0*		*123*	*60-140*			
Batch 2120476 - EPA 5030B [P/T]										
Blank (2120476-BLK1)				Prepared & Analyzed: 12/30/02						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline (C6-C10)	ND	50	"							
Surrogate: Toluene-d8	*24.7*		"	*25.0*		*99*	*60-140*			
Surrogate: 4-BFB	*23.8*		"	*25.0*		*95*	*60-140*			
Surrogate: 1,2-DCA-d4	*28.9*		"	*25.0*		*116*	*60-140*			

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URS Corporation	Project: ARCO #4977, Castro Valley, CA	MLL0681
500 12th Street, Suite 100	Project Number: ARCO #4977, Castro Valley, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	01/07/03 13:53

BTEX by EPA Method 8260B - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120476 - EPA 5030B [P/T]										
Blank (2120476-BLK2)				Prepared & Analyzed: 12/27/02						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline (C6-C10)	ND	50	"							
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*60-140*			
Surrogate: 4-BFB	*26.5*		"	*25.0*		*106*	*60-140*			
Surrogate: 1,2-DCA-d4	*31.0*		"	*25.0*		*124*	*60-140*			
Laboratory Control Sample (2120476-BS1)				Prepared & Analyzed: 12/30/02						
Methyl tert-butyl ether	19.5	0.50	ug/l	22.4		87	60-140			
Benzene	13.7	0.50	"	13.6		101	70-130			
Toluene	80.0	0.50	"	83.4		96	70-130			
Gasoline (C6-C10)	1060	50	"	1100		96	70-130			
Surrogate: Toluene-d8	*24.4*		"	*25.0*		*98*	*60-140*			
Surrogate: 4-BFB	*24.4*		"	*25.0*		*98*	*60-140*			
Surrogate: 1,2-DCA-d4	*28.3*		"	*25.0*		*113*	*60-140*			
Laboratory Control Sample (2120476-BS2)				Prepared & Analyzed: 12/27/02						
Methyl tert-butyl ether	22.6	0.50	ug/l	22.4		101	60-140			
Benzene	14.6	0.50	"	13.6		107	70-130			
Toluene	83.4	0.50	"	83.4		100	70-130			
Gasoline (C6-C10)	1110	50	"	1100		101	70-130			
Surrogate: Toluene-d8	*24.8*		"	*25.0*		*99*	*60-140*			

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URS Corporation	Project: ARCO #4977, Castro Valley, CA	MLL0681
500 12th Street, Suite 100	Project Number: ARCO #4977, Castro Valley, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	01/07/03 13:53

BTEX by EPA Method 8260B - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120476 - EPA 5030B [P/T]										
Laboratory Control Sample (2120476-BS2)				Prepared & Analyzed: 12/27/02						
Surrogate: 4-BFB	*25.5*		*ug/l*	*25.0*		*102*	*60-140*			
Surrogate: 1,2-DCA-d4	*31.7*		"	*25.0*		*127*	*60-140*			
Matrix Spike (2120476-MS1)		**Source: S212570-07**		Prepared & Analyzed: 12/30/02						
Methyl tert-butyl ether	21.9	0.50	ug/l	22.4	2.4	87	60-140			
Benzene	12.3	0.50	"	13.6	ND	90	70-130			
Toluene	71.4	0.50	"	83.4	ND	86	70-130			
Gasoline (C6-C10)	910	50	"	1100	ND	81	60-140			
Surrogate: Toluene-d8	*25.9*		"	*25.0*		*104*	*60-140*			
Surrogate: 4-BFB	*26.2*		"	*25.0*		*105*	*60-140*			
Surrogate: 1,2-DCA-d4	*31.4*		"	*25.0*		*126*	*60-140*			
Matrix Spike Dup (2120476-MSD1)		**Source: S212570-07**		Prepared & Analyzed: 12/30/02						
Methyl tert-butyl ether	21.9	0.50	ug/l	22.4	2.4	87	60-140	0	25	
Benzene	12.6	0.50	"	13.6	ND	93	70-130	2	25	
Toluene	73.4	0.50	"	83.4	ND	88	70-130	3	25	
Gasoline (C6-C10)	936	50	"	1100	ND	83	60-140	3	25	
Surrogate: Toluene-d8	*24.8*		"	*25.0*		*99*	*60-140*			
Surrogate: 4-BFB	*25.9*		"	*25.0*		*104*	*60-140*			
Surrogate: 1,2-DCA-d4	*30.2*		"	*25.0*		*121*	*60-140*			

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URS Corporation	Project: ARCO #4977, Castro Valley, CA	MLL0681
500 12th Street, Suite 100	Project Number: ARCO #4977, Castro Valley, CA	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	01/07/03 13:53

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
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

bp

Chain of Custody Record

Project Name
BP BU/GEM CO Portfolio: 4111068
EP Laboratory Contract Number:
Date: 12/16/02 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: 2770 Castro Valley Rd, Castro Valley, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 4977	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail ADD: syed_rehan@urscorp.com
	California Global ID #:	Consultant/Contractor Project No.: 25-00004977.01 00427
Lab PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1735/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax:	BP/GEM Work Release No: INTRIM-50467

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Sample Point Lat/Long and Comments
1	mw-1	1055		X			01	6				X	X			X	X	
2	mw-2	1115		X			02	6				X	X			X	X	
3	mw-3	1140		X			03	6				X	X			X	X	
4																		
5																		
6																		
7																		
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Ryan Hanstedt						
Sampler's Company: Blaine Tech		12/17/02	1114		12/17/02	1114
Shipment Date:		12/17/02	1720		12/17/02	17-20
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 ✓

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

BP COC Rev. 1 2/5/02

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: CRS
REC. BY (PRINT): R
WORKORDER: 411681

DATE Received at Lab: 12/17/02
TIME Received at Lab: 1740
LOG IN DATE: 12-19-02

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent	1		MW-1	(6) VOAs HCl	(L)	12/16/02	211030
	Intact / Broken*	2		-2	↓	↓	↓	↓
2. Chain-of-Custody	Present / Absent*	3		-3	↓	↓	↓	↓
3. Traffic Reports or Packing List:	Present / Absent							
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:	5C							
(Acceptance range for samples requiring thermal pres.:4+/-2°C)	Yes / No**							
**Exception (if any):								

12/18/02 R

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

ATTACHMENT C

EDCC REPORT/ GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

02/19/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #4977, Castro Valley
Work Order Number:	MLL0681
Global ID:	NA
Lab Report Number:	MLL0681010720031355

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MLL06810107200 31355	MW-1	MLL068101	W	CS	8260+OX	SW5030B	12/16/02	12/27/02	12/27/02	2120442	1	SEQS
MLL06810107200 31355	MW-2	MLL068102	W	CS	8260+OX	SW5030B	12/16/02	12/27/02	12/27/02	2120476	1	SEQS
MLL06810107200 31355	MW-3	MLL068103	W	CS	8260+OX	SW5030B	12/16/02	12/27/02	12/27/02	2120476	1	SEQS
		S21257007	W	NC	8260+OX	SW5030B	/ /	12/30/02	12/30/02	2120476	1	SEQS
		S21267304	W	NC	8260+OX	SW5030B	/ /	12/27/02	12/27/02	2120442	1	SEQS
		2120442BS1	WQ	BS1	8260+OX	SW5030B	/ /	12/27/02	12/27/02	2120442	1	SEQS
		2120442BLK1	WQ	LB1	8260+OX	SW5030B	/ /	12/27/02	12/27/02	2120442	1	SEQS
		2120442MS1	W	MS1	8260+OX	SW5030B	/ /	12/27/02	12/27/02	2120442	1	SEQS
		2120442MSD1	W	SD1	8260+OX	SW5030B	/ /	12/27/02	12/27/02	2120442	1	SEQS
		2120476BS1	WQ	BS1	8260+OX	SW5030B	/ /	12/30/02	12/30/02	2120476	1	SEQS
		2120476BS2	WQ	BS2	8260+OX	SW5030B	/ /	12/27/02	12/27/02	2120476	1	SEQS
		2120476BLK1	WQ	LB1	8260+OX	SW5030B	/ /	12/30/02	12/30/02	2120476	1	SEQS
		2120476BLK2	WQ	LB2	8260+OX	SW5030B	/ /	12/27/02	12/27/02	2120476	1	SEQS
		2120476MS1	W	MS1	8260+OX	SW5030B	/ /	12/30/02	12/30/02	2120476	1	SEQS
		2120476MSD1	W	SD1	8260+OX	SW5030B	/ /	12/30/02	12/30/02	2120476	1	SEQS

EDFSAMP: Error Summary Log

02/19/03

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

EDFTEST: Error Summary Log

02/19/03

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

EDFRES: Error Summary Log

02/19/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2120442MS1	MS1	W	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	2120442MSD1	SD1	W	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	2120476MS1	MS1	W	8260+OX	PR	12/30/02	1	GRO
Warning: extra parameter	2120476MSD1	SD1	W	8260+OX	PR	12/30/02	1	GRO
Warning: extra parameter	MLL068101	CS	W	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	MLL068101	CS	W	8260+OX	PR	12/27/02	1	XYLENES
Warning: extra parameter	MLL068102	CS	W	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	MLL068102	CS	W	8260+OX	PR	12/27/02	1	XYLENES
Warning: extra parameter	MLL068103	CS	W	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	MLL068103	CS	W	8260+OX	PR	12/27/02	1	XYLENES
Warning: extra parameter	S21257007	NC	W	8260+OX	PR	12/30/02	1	GRO
Warning: extra parameter	S21267304	NC	W	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	2120442BLK1	LB1	WQ	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	2120442BLK1	LB1	WQ	8260+OX	PR	12/27/02	1	XYLENES
Warning: extra parameter	2120442BS1	BS1	WQ	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	2120476BLK1	LB1	WQ	8260+OX	PR	12/30/02	1	GRO
Warning: extra parameter	2120476BLK1	LB1	WQ	8260+OX	PR	12/30/02	1	XYLENES
Warning: extra parameter	2120476BLK2	LB2	WQ	8260+OX	PR	12/27/02	1	GRO
Warning: extra parameter	2120476BLK2	LB2	WQ	8260+OX	PR	12/27/02	1	XYLENES
Warning: extra parameter	2120476BS1	BS1	WQ	8260+OX	PR	12/30/02	1	GRO
Warning: extra parameter	2120476BS2	BS2	WQ	8260+OX	PR	12/27/02	1	GRO

EDFQC: Error Summary Log

02/19/03

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

EDFCL: Error Summary Log

02/19/03

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