

**RECEIVED**

*By dehloptoxic at 3:22 pm, Oct 31, 2006*



Atlantic Richfield Company  
(a BP affiliated company)



P.O. Box 1257  
San Ramon, California 94583  
Phone: (925) 275-3801  
Fax: (925) 275-3815

23 October 2006

Re: Third Quarter 2006 Ground-Water Monitoring Report  
Former BP Station # 11124  
3315 High Street  
Oakland, California  
ACEH Case # RO0000239

"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

**Third Quarter 2006 Ground-Water Monitoring Report**  
Former BP Station #11124  
3315 High Street  
Oakland, California

Prepared for

Mr. Paul Supple  
Environmental Business Manager  
Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, California 94583

Prepared by



1324 Mangrove Avenue, Suite 212  
Chico, California 95926  
(530) 566-1400  
*www.broadbentinc.com*

23 October 2006

Project No. 06-08-652

Broadbent & Associates, Inc.  
1324 Mangrove Ave., Suite 212  
Chico, CA 95926  
Voice (530) 566-1400  
Fax (530) 566-1401



23 October 2006

Project No. 06-08-652

Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, CA 94583  
Submitted via ENFOS

Attn.: Mr. Paul Supple

Re: Third Quarter 2006 Ground-Water Monitoring Report, Former BP Station #11124,  
3315 High Street, Oakland, California. ACEH Case # RO0000239.

Dear Mr. Supple:

Attached is the *Third Quarter 2006 Ground-Water Monitoring Report* for Former BP Station #11124 (herein referred to as Station #11124) located at 3315 High Street, Oakland California (Property). This report presents a summary of results from ground-water monitoring and sampling during Third Quarter 2006.

Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

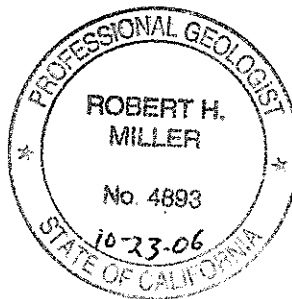
BROADBENT & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'Thomas A. Venus'.

Thomas A. Venus  
Senior Engineer, P.E.

A handwritten signature in black ink, appearing to read 'Robert H. Miller'.

Robert H. Miller, P.G., C.H.G.  
Principal Hydrogeologist



Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health (Submitted via ACEH ftp site)  
Ms. Shelby Lathrop, ConocoPhillips (Submitted via WebXtender)

## STATION #11124 QUARTERLY GROUND-WATER MONITORING REPORT

Facility: #11124	Address: 3315 High Street, Oakland, California
Environmental Business Manager:	Mr. Paul Supple
Consulting Co./Contact Persons:	Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus (530) 566-1400
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) ACEH Case # RO0000239
Consultant Project No.:	06-08-652
Facility Permits/Permitting Agency:	NA

### WORK PERFORMED THIS QUARTER (Third Quarter 2006):

1. Submitted Second Quarter 2006 Report.
2. Conducted ground-water monitoring/sampling for Third Quarter 2006. Work performed by URS on 28 August 2006.

### WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2006):

1. Submitted Third Quarter 2006 Report (contained herein).
2. Conduct quarterly ground-water monitoring/sampling for Fourth Quarter 2006.
3. Install two on-site monitoring wells along border with High Street.

### QUARTERLY RESULTS SUMMARY:

Current phase of project:	<b>Ground-water monitoring/sampling</b>
Frequency of ground-water sampling:	<b>Wells MW-1, MW-2, and MW-4: Quarterly</b>
Frequency of ground-water monitoring:	<b>Quarterly</b>
Is free product (FP) present on-site:	<b>No</b>
FP recovered this quarter:	<b>None</b>
Cumulative FP recovered:	<b>None</b>
Current remediation techniques:	<b>None</b>
Depth to ground water (below TOC):	<b>9.36 (MW-4) to 10.61 (MW-1)</b>
General ground-water flow direction:	<b>South</b>
Approximate hydraulic gradient:	<b>0.012 ft/ft</b>

### DISCUSSION:

Third quarter 2006 ground-water monitoring/sampling was conducted at Former BP Station #11124 on 28 August 2006 by Blaine Tech Services, Inc. for URS. No irregularities were noted during depth to water level monitoring. Depths to water levels were measured at the three existing wells at the Site. Depth to water level measurements ranged from 9.36 ft at MW-4 to 10.61 ft at MW-1. Calculated ground-water elevations ranged from 144.38 ft above mean sea level at MW-1 to 142.64 ft at MW-2. Water level elevations were within the historic minimum and maximum ranges for each well. Water level monitoring field data sheets are provided within Appendix A. Depth to water measurements and calculated water level elevations are summarized within Table 1. Calculated water level elevations yielded a potentiometric ground-water flow direction and gradient of south at 0.0012 ft/ft. Ground-water elevation contours are provided on Drawing 1.

Quarterly ground-water samples were collected from the three onsite wells without problems. Samples were submitted to Test America Analytical Testing Corporation (Morgan Hill, California) under chain of custody documentation for laboratory analysis of Gasoline Range Organics (GRO, C4-C12) by LUFT GC/MS method; Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and Methyl tert-butyl ether (MTBE), Ethyl tert-butyl ether, Ethanol, 1,2-Dichloroethane, 1,2-Dibromomethane, Di-isopropyl ether, tert-Butyl alcohol (TBA), and tert-Amyl methyl ether (TAME) by EPA Method 8260B. No analytical irregularities were reported by the laboratory for the samples.

Gasoline Range Organics were detected at the laboratory reporting limit in one of the three wells sampled this quarter: GRO was detected in well MW-1 at a concentration of 50 micrograms per liter ( $\mu\text{g/L}$ ). Methyl tert-butyl ether (MTBE) was detected above the laboratory reporting limit in well MW-4 at a concentration of 16  $\mu\text{g/L}$ . No other fuel components were detected at or above their respective laboratory reporting limits. The laboratory analytical report, including chain of custody documentation, is provided in Appendix A. Drawing 1 depicts ground-water elevation contours and an analytical summary of concentrations as observed during the Third Quarter, 2006. Laboratory analytical results are summarized in Table 1 and Table 2.

#### **CLOSURE:**

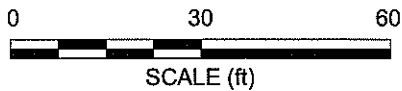
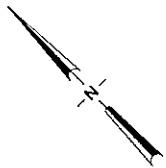
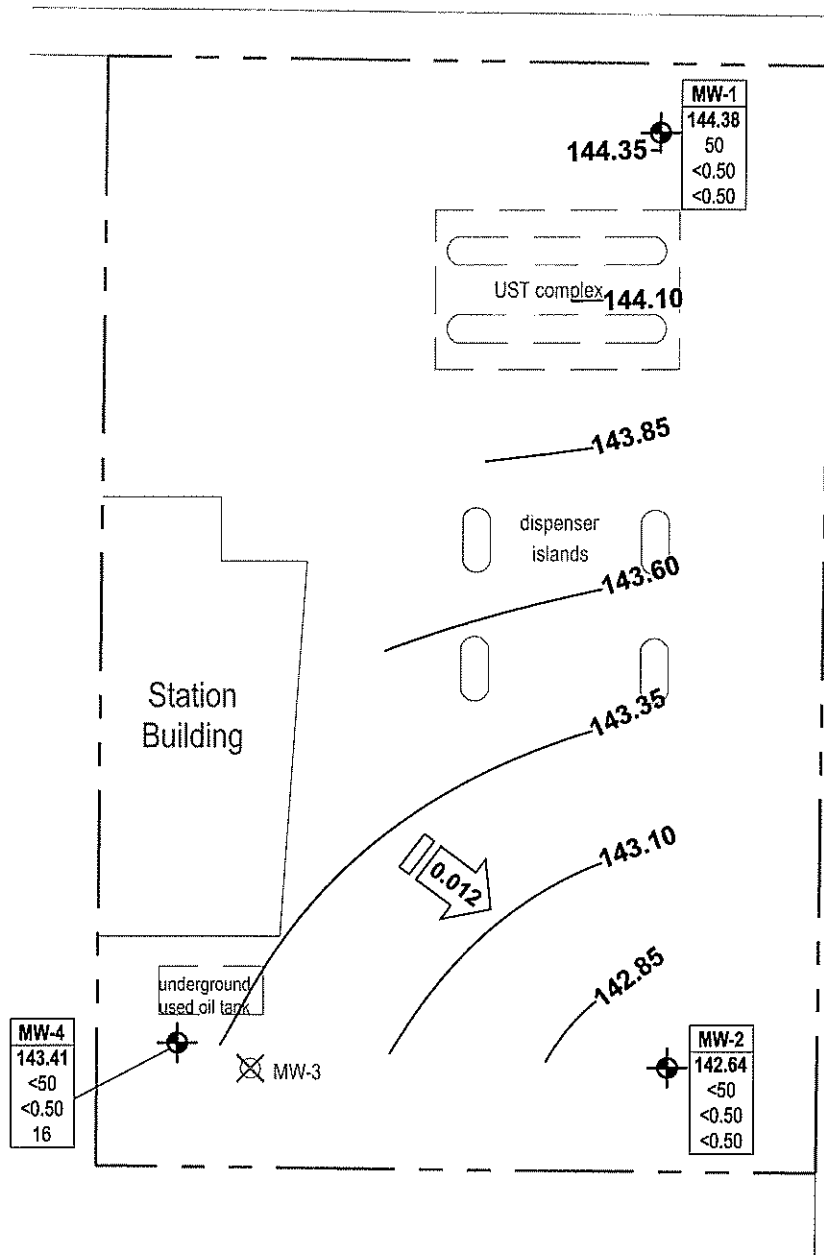
The findings presented in this report are based upon: observations of URS field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by Test America (Morgan Hill, California). Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

#### **ATTACHMENTS:**

- Drawing 1. Ground-Water Elevation Contours and Analytical Summary Map, 28 August 2006, Former BP Service Station #11124, 3315 High Street, Oakland, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11124, 3315 High St., Oakland, CA
- Table 2. Summary of Fuel Additives Analytical Data, Station #11124, 3315 High St, Oakland, CA
- Appendix A. URS Groundwater Sampling Data Package (Includes Laboratory Report and Chain of Custody Documentation, Field and Laboratory Procedures, and Field Data Sheets)
- Appendix B. GeoTracker Upload Confirmation

PORTER STREET

HIGH STREET



**LEGEND**

- Ground-water monitoring well
- Abandoned monitoring well
- Well Designation
- Ground-water elevation (ft MSL)
- GRO, Benzene & MTBE concentrations (µg/L)
- 143.1 Ground-water elevation (ft MSL)
- < Not detected at or above laboratory reporting limits
- $0.012$  Ground-water flow direction and gradient (ft/ft)

NOTE: SITE MAP ADAPTED FROM ALISTO ENGINEERING FIGURES.  
SITE DIMENSIONS AND FIGURES FACILITY LOCATIONS NOT VERIFIED.

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses  
Station #11124, 3315 High St., Oakland, CA**

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
<b>MW-1</b>															
10/19/2004	P	154.99	10.50	--	144.49	<50	<0.50	<0.50	<0.50	<0.50	14	0.96	SEQM	6.9	c
01/13/2005	P	154.99	9.00	--	145.99	<50	<0.50	<0.50	<0.50	<0.50	33	2.5	SEQM	6.4	
02/24/2006	P	154.99	10.42	--	144.57	55	<0.50	<0.50	<0.50	<0.50	51	--	SEQM	6.8	
5/30/2006	P	154.99	10.94	--	144.05	50	<0.50	<0.50	<0.50	<0.50	58	--	SEQM	6.6	
8/28/2006	P	154.99	10.61	--	144.38	50	<0.50	<0.50	<0.50	<0.50	<0.50	--	TAMC	7.0	
<b>MW-2</b>															
10/19/2004	--	152.02	9.45	--	142.57	--	--	--	--	--	--	--	--	--	b
01/13/2005	P	152.02	6.43	--	145.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.47	SEQM	6.4	
02/24/2006	P	152.02	7.88	--	144.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.7	
5/30/2006	P	152.02	7.98	--	144.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.7	
8/28/2006	P	152.02	9.38	--	142.64	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	TAMC	6.7	
<b>MW-4</b>															
10/19/2004	P	152.77	9.55	--	143.22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.82	SEQM	7.0	a
01/13/2005	--	152.77	--	--	--	--	--	--	--	--	--	--	--	--	
02/24/2006	P	152.77	7.86	--	144.91	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
5/30/2006	P	152.77	8.04	--	144.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
8/28/2006	P	152.77	9.36	--	143.41	<50	<0.50	<0.50	<0.50	<0.50	16	--	TAMC	6.5	

ABBREVIATIONS AND SYMBOLS:

--- = Not analyzed/measured/applicable  
< = Not detected at or above laboratory reporting limit  
DO = Dissolved oxygen  
ft bgs = Feet below ground surface  
ft MSL = Feet above mean sea level  
DTW = Depth to water in ft bgs  
GRO = Gasoline range organics  
GWE = Groundwater elevation in ft MSL  
mg/L = Milligrams per liter  
MTBE = Methyl tert-butyl ether  
NP = Well not purged prior to sampling  
P = Well purged prior to sampling  
TOC = Top of casing in ft MSL  
TPH-g = Total petroleum hydrocarbons as gasoline  
µg/L = Micrograms per liter  
SEQM = Sequoia Analytical Morgan Hill (Laboratory)

FOOTNOTES:

a = Well inaccessible.  
b = Well is dry.  
c = Hydrocarbon result for GRO partly due to individual peak(s) in quantitative range.

NOTES:

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 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.

Values for DO and pH were obtained through field measurements.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.



**Table 2. Summary of Fuel Additives Analytical Data**  
**Station #11124, 3315 High St., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-1</b>									
10/19/2004	<100	<20	14	<0.50	<0.50	<0.50	<0.50	<0.50	
01/13/2005	<100	<20	33	<0.50	<0.50	<0.50	<0.50	<0.50	
02/24/2006	<300	<20	51	<0.50	<0.50	<0.50	<0.50	<0.50	
5/30/2006	<300	<20	58	<0.50	<0.50	<0.50	<0.50	<0.50	
8/28/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-2</b>									
01/13/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/24/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
5/30/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/28/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-4</b>									
10/19/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/24/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
5/30/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/28/2006	<300	<20	16	<0.50	<0.50	<0.50	<0.50	<0.50	

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-Dibromomethane

µg/L = micrograms per liter

< = Not detected at or above laboratory reporting limit

NOTES:

All fuel oxygenate compounds are analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**APPENDIX A**

**URS GROUND-WATER SAMPLING DATA PACKAGE (INCLUDES LABORATORY  
REPORT AND CHAIN OF CUSTODY DOCUMENTATION, FIELD AND  
LABORATORY PROCEDURES, AND FIELD DATA SHEETS)**



September 28, 2006

Mr. Rob Miller  
Broadbent & Associates, Inc.  
2000 Kirman Avenue  
Reno, NV 89502

**Groundwater Sampling Data Package**  
Former BP Service Station #11124  
3315 High Street  
Oakland, CA  
Field Work Performed: 08/28/06

**General Information**

*Data Submittal Prepared/Reviewed by:* Alok Kolekar

*Phone Number:* 510-874-3152

*On-Site Supplier Representative:* Blaine Tech

*Scope of Work Performed:* Groundwater Monitoring in accordance with 3rd Quarter 2006 protocols as identified in the Quarterly Monitoring Program Table in the Field and Laboratory Procedures Attachment.

*Variations from Work Scope:* None

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include, at a minimum, sampling procedures, field data collected, laboratory results, chain of custody documentation, and waste management activities. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Alok D. Kolekar, P.E.  
Project Manager



cc: Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS



## **Attachments**

Field and Laboratory Procedures

Laboratory Report

Chain of Custody Documentation

Field Data Sheets

    Well Gauging Data

    Well Monitoring Data Sheets

## **FIELD & LABORATORY 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.

### **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.

21 September, 2006

Alok Kolekar  
URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland, CA 94612

RE: BP Heritage #11124, Oakland ,CA  
Work Order: MPH1002

Enclosed are the results of analyses for samples received by the laboratory on 08/29/06 10:02. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race  
Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: BP Heritage #11124, Oakland ,CA Project Number: G099D-0008 Project Manager: Alok Kolekar	MPH1002 Reported: 09/21/06 16:58
---	---	--

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MPH1002-01	Water	08/28/06 13:30	08/29/06 10:02
MW-2	MPH1002-02	Water	08/28/06 14:15	08/29/06 10:02
MW-4	MPH1002-03	Water	08/28/06 14:05	08/29/06 10:02
TB-11124-08282006	MPH1002-04	Water	08/28/06 00:00	08/29/06 10:02

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 no custody seals.



URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: BP Heritage #11124, Oakland ,CA Project Number: G099D-0008 Project Manager: Alok Kolekar	MPH1002 Reported: 09/21/06 16:58
---	---	--

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT)  
TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (MPH1002-01) Water Sampled: 08/28/06 13:30 Received: 08/29/06 10:02</b>									
Gasoline Range Organics (C4-C12)	50	50	ug/l	1	6107022	09/07/06	09/08/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		94 %	60-145		"	"	"	"	
<b>MW-2 (MPH1002-02) Water Sampled: 08/28/06 14:15 Received: 08/29/06 10:02</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6107022	09/07/06	09/08/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		96 %	60-145		"	"	"	"	
<b>MW-4 (MPH1002-03) Water Sampled: 08/28/06 14:05 Received: 08/29/06 10:02</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6107022	09/07/06	09/08/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		96 %	60-145		"	"	"	"	

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

Project: BP Heritage #11124, Oakland, CA  
Project Number: G099D-0008  
Project Manager: Alok Kolekar

MPH1002  
Reported:  
09/21/06 16:58

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

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

**MW-1 (MPH1002-01) Water** Sampled: 08/28/06 13:30 Received: 08/29/06 10:02

tert-Amyl methyl ether	ND	0.50	ug/l	1	6107022	09/07/06	09/08/06	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	300	"	"	"	"	"	"	
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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %	75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94 %	60-145		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93 %	60-120		"	"	"	"	

**MW-2 (MPH1002-02) Water** Sampled: 08/28/06 14:15 Received: 08/29/06 10:02

tert-Amyl methyl ether	ND	0.50	ug/l	1	6107022	09/07/06	09/08/06	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	300	"	"	"	"	"	"	
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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		93 %	75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96 %	60-145		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93 %	60-120		"	"	"	"	

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

Project: BP Heritage #11124, Oakland, CA  
Project Number: G099D-0008  
Project Manager: Alok Kolekar

MPH1002  
Reported:  
09/21/06 16:58

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-4 (MPH1002-03) Water</b> <b>Sampled: 08/28/06 14:05</b> <b>Received: 08/29/06 10:02</b>									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6107022	09/07/06	09/08/06	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	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>16</b>	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91 %		60-120	"	"	"	"	

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: BP Heritage #11124, Oakland ,CA Project Number: G099D-0008 Project Manager: Alok Kolekar	MPH1002 Reported: 09/21/06 16:58
---	---	--

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6I07022 - EPA 5030B P/T / LUFT GCMS**

<b>Blank (6I07022-BLK1)</b>				Prepared: 09/07/06 Analyzed: 09/08/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.30		"	2.50		92	60-145			
<b>Laboratory Control Sample (6I07022-BS1)</b>				Prepared & Analyzed: 09/07/06						
Gasoline Range Organics (C4-C12)	656	50	ug/l	700		94	75-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.24		"	2.50		90	60-145			
<b>Laboratory Control Sample (6I07022-BS2)</b>				Prepared & Analyzed: 09/07/06						
Gasoline Range Organics (C4-C12)	477	50	ug/l	440		108	75-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.24		"	2.50		90	60-145			
<b>Matrix Spike (6I07022-MS1)</b>				Source: MPH1077-08		Prepared & Analyzed: 09/07/06				
Gasoline Range Organics (C4-C12)	490	50	ug/l	440	ND	111	75-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.29		"	2.50		92	60-145			
<b>Matrix Spike Dup (6I07022-MSD1)</b>				Source: MPH1077-08		Prepared & Analyzed: 09/07/06				
Gasoline Range Organics (C4-C12)	497	50	ug/l	440	ND	113	75-140	1	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.20		"	2.50		88	60-145			

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

Project: BP Heritage #11124, Oakland, CA  
Project Number: G099D-0008  
Project Manager: Alok Kolekar

MPH1002  
Reported:  
09/21/06 16:58

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6I07022 - EPA 5030B P/T / EPA 8260B**

**Blank (6I07022-BLK1)**

Prepared: 09/07/06 Analyzed: 09/08/06

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	300	"							
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	"							
<i>Surrogate: Dibromofluoromethane</i>	2.27		"	2.50		91	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.30		"	2.50		92	60-145			
<i>Surrogate: Toluene-d8</i>	2.21		"	2.50		88	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.31		"	2.50		92	60-120			

**Laboratory Control Sample (6I07022-BS1)**

Prepared & Analyzed: 09/07/06

tert-Amyl methyl ether	9.75	0.50	ug/l	10.0		98	65-135			
Benzene	9.20	0.50	"	10.0		92	70-125			
tert-Butyl alcohol	187	20	"	200		94	60-135			
Di-isopropyl ether	9.98	0.50	"	10.0		100	70-130			
1,2-Dibromoethane (EDB)	9.43	0.50	"	10.0		94	80-125			
1,2-Dichloroethane	9.82	0.50	"	10.0		98	75-125			
Ethanol	264	300	"	200		132	15-150			
Ethyl tert-butyl ether	10.0	0.50	"	10.0		100	65-130			
Ethylbenzene	9.72	0.50	"	10.0		97	70-130			
Methyl tert-butyl ether	10.0	0.50	"	10.0		100	50-140			
Toluene	9.65	0.50	"	10.0		96	70-120			
Xylenes (total)	30.0	0.50	"	30.0		100	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.25		"	2.50		90	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.24		"	2.50		90	60-145			
<i>Surrogate: Toluene-d8</i>	2.24		"	2.50		90	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.31		"	2.50		92	60-120			

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

Project: BP Heritage #11124, Oakland, CA  
Project Number: G099D-0008  
Project Manager: Alok Kolekar

MPH1002  
Reported:  
09/21/06 16:58

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 6107022 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (6107022-MS1)	Source: MPH1077-08	Prepared & Analyzed: 09/07/06								
tert-Amyl methyl ether	16.8	0.50 ug/l	15.0	ND	112	65-135				
Benzene	4.95	0.50	"	5.16	ND	96	70-125			
tert-Butyl alcohol	163	20	"	143	ND	114	60-135			
Di-isopropyl ether	16.6	0.50	"	15.1	ND	110	70-130			
1,2-Dibromoethane (EDB)	16.0	0.50	"	14.9	ND	107	80-125			
1,2-Dichloroethane	16.1	0.50	"	14.7	ND	110	75-125			
Ethanol	233	300	"	142	ND	164	15-150			LM
Ethyl tert-butyl ether	17.2	0.50	"	15.0	ND	115	65-130			
Ethylbenzene	7.22	0.50	"	7.54	ND	96	70-130			
Methyl tert-butyl ether	8.07	0.50	"	7.02	ND	115	50-140			
Toluene	37.0	0.50	"	37.2	ND	99	70-120			
Xylenes (total)	41.9	0.50	"	41.2	ND	102	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.24		"	2.50		90	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.29		"	2.50		92	60-145			
<i>Surrogate: Toluene-d8</i>	2.35		"	2.50		94	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.36		"	2.50		94	60-120			

Matrix Spike Dup (6107022-MSD1)	Source: MPH1077-08	Prepared & Analyzed: 09/07/06								
tert-Amyl methyl ether	16.8	0.50 ug/l	15.0	ND	112	65-135	0	25		
Benzene	4.91	0.50	"	5.16	ND	95	70-125	0.8	15	
tert-Butyl alcohol	166	20	"	143	ND	116	60-135	2	35	
Di-isopropyl ether	16.6	0.50	"	15.1	ND	110	70-130	0	35	
1,2-Dibromoethane (EDB)	16.1	0.50	"	14.9	ND	108	80-125	0.6	15	
1,2-Dichloroethane	15.9	0.50	"	14.7	ND	108	75-125	1	10	
Ethanol	241	300	"	142	ND	170	15-150	3	35	LM
Ethyl tert-butyl ether	17.1	0.50	"	15.0	ND	114	65-130	0.6	35	
Ethylbenzene	7.32	0.50	"	7.54	ND	97	70-130	1	15	
Methyl tert-butyl ether	8.18	0.50	"	7.02	ND	117	50-140	1	25	
Toluene	37.5	0.50	"	37.2	ND	101	70-120	1	15	
Xylenes (total)	42.5	0.50	"	41.2	ND	103	80-125	1	15	
<i>Surrogate: Dibromofluoromethane</i>	2.25		"	2.50		90	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.20		"	2.50		88	60-145			
<i>Surrogate: Toluene-d8</i>	2.28		"	2.50		91	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.33		"	2.50		93	60-120			

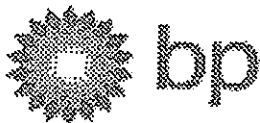
URS Corporation [Arco]  
1333 Broadway, Suite 800  
Oakland CA, 94612

Project: BP Heritage #11124, Oakland ,CA  
Project Number: G099D-0008  
Project Manager: Alok Kolekar

MPH1002  
Reported:  
09/21/06 16:58

**Notes and Definitions**

LM 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: Analytical for SSI sampling  
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 11124 > Historical/BL  
 State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fr  
 Requested Due Date (mm/dd/yy): 8/25/06 060828-SC2

On-site Time: <u>1245</u>	Temp: <u>70°</u>
Off-site Time: <u>1430</u>	Temp: <u>70°</u>
Sky Conditions: <u>Clear</u>	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Sequoia</u>	BP/AR Facility No.: <u>11124</u>	Consultant/Contractor: <u>URS</u>
Address: <u>885 Jarvis Drive</u> <u>Morgan Hill, CA 95037</u>	BP/AR Facility Address: <u>3315 High St., Oakland, CA</u>	Address: <u>1333 Broadway, Suite 800</u> <u>Oakland, CA 94612</u>
Lab PM: <u>Lisa Race/ Katt Min</u>	California Global ID No.: <u>T0600100919</u>	Consultant/Contractor Project No.: <u>38487131</u>
Tele/Fax: <u>408.782.8156 / 408.782.6308</u>	Enfos Project No.: <u>G099D-0008</u>	Consultant/Contractor PM: <u>Alok Kolekar</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or RCOP: <u>RCOP</u>	Tele/Fax: <u>510.874.3152 / 510.874.3268</u>
Address: <u>4 Centerpointe Drive</u> <u>La Palma, CA 90623-1066</u>	Phase/WBS: <u>01 - Assessment</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
Tele/Fax: <u>714.670.5303 / 714.670.5195</u>	Sub Phase/Task: <u>03 - Analytical</u>	E-mail EDD To: <u>jane.field@urscorp.com</u>
	Cost Element: <u>05 - Subcontracted Costs</u>	Invoice to: <u>Atlantic Richfield Company</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Sample Point Lat/Long and Comments		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	GRX / BTEX (\$260)	MTBE, TAME, ETBB	DIPE, TEA (\$260)	EDB, 1,2-DCA (\$260)	Ethanol (\$260)			
1	MW-1	1330	8/25/06	X			MPH1002	3							X	X	X	X			
2	MW-2	1415		X			02	3							X	X	X	X			
3	MW-4	1405		X			03	3							X	X	X	X			
4	TB-11124-08282006			X			04	2													ON 1 to 6
5																					
6																					
7																					
8																					
9																					
10																					

Sampler's Name: <u>S. Carmack</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Blaine Tech Services</u>	<u>[Signature]</u>	<u>8/25/06</u>	<u>1635</u>	<u>[Signature]</u>	<u>8/25/06</u>	<u>1640</u>
Shipment Date:		<u>8/26/06</u>	<u>1827</u>	<u>[Signature]</u>	<u>8/26/06</u>	<u>1827</u>
Shipment Method:		<u>8/26/06</u>	<u>1602</u>	<u>[Signature]</u>	<u>8/29/06</u>	<u>1622</u>
Shipment Tracking No:						

Special Instructions: CC to [Signature]@broadbentinc.com  
BPEDF

Custody Seals In Place Yes  No  Temp Blank Yes  No  Cooler Temperature on Receipt 4.1 °F/C Trip Blank Yes  No



## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP/ARCO 11124  
 REC. BY (PRINT) Feluz  
 WORKORDER: NAPH1002

DATE REC'D AT LAB: 8-29-06  
 TIME REC'D AT LAB: 1602  
 DATE LOGGED IN: 8/30/06

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present <input checked="" type="radio"/> Absent <input type="radio"/> Intact / Broken*									8-29-06 will set C C C
2. Chain-of-Custody Present <input checked="" type="radio"/> Absent <input type="radio"/>									
3. Traffic Reports or Packing List: Present <input checked="" type="radio"/> Absent <input type="radio"/>									
4. Airbill: Airbill / Sticker Present <input checked="" type="radio"/> Absent <input type="radio"/>									
5. Airbill #: <u>CDW 111</u>									
6. Sample Labels: Present <input checked="" type="radio"/> Absent <input type="radio"/>									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody <input checked="" type="radio"/> <input type="radio"/>									
8. Sample Condition: Intact <input checked="" type="radio"/> Broken* / Leaking* <input type="radio"/>									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No* <input type="radio"/>									
10. Sample received within hold time? <input checked="" type="radio"/> Yes / No* <input type="radio"/>									
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No* <input type="radio"/>									
12. Proper preservatives used? <input checked="" type="radio"/> Yes / No* <input type="radio"/>									
13. Trip Blank / Temp Blank Received? (circle which, if yes) <input checked="" type="radio"/> Yes <input type="radio"/> No*									
14. Read Temp: <u>4.1°C</u> Corrected Temp: <u>4.1°C</u> Is corrected temp 4 +/- 2°C? <input checked="" type="radio"/> Yes / No** <input type="radio"/>									

\*\*Exception (if any): METALS / DFF ON ICE or Problem COC

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



## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060828-SC2</u>	Station # <u>3315 High St. Oakland, CA</u>
Sampler: <u>SC</u>	Date: <u>08/28/00</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>31.88</u>	Depth to Water: <u>10.61</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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 <sup>2</sup> * 0.163

Purge Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
---	---

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

<u>3.5</u>	x	<u>3</u>	=	<u>10.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u> )	Gals. Removed	Observations
<u>1313</u>	<u>65.6</u>	<u>7.1</u>	<u>468</u>	<u>3.5</u>	<u>clear; no odor</u>
<u>1318</u>	<u>65.7</u>	<u>7.1</u>	<u>475</u>	<u>7.0</u>	<u>slightly cloudy</u>
<u>1327</u>	<u>65.4</u>	<u>7.0</u>	<u>489</u>	<u>10.5</u>	<u>cc cc</u>

Did well dewater? Yes  No Gallons actually evacuated: 10.5

Sampling Time: 1330 Sampling Date: 08/28/00

Sample I.D.: MW-1 Laboratory: Pace Sequoia Other TA

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DC EDF Ethanol Other: \_\_\_\_\_

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 #: 060828-3C2	Station # 3315 High St. Oakland, CA
Sampler: SC	Date: 08/28/06
Well I.D.: MW-2	Well Diameter: ② 3 4 6 8
Total Well Depth: 10.15	Depth to Water: 9.38
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 <sup>2</sup> * 0.163

Purge Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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.

0.2	x	3	=	0.6	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
1333	70.9	6.6	546	0.2	brownish w/SC
Well dewatered @			0.3 gallons		
1409	71.2	6.7	541	—	clear brownish

Did well dewater?  Yes  No      Gallons actually evacuated: 0.3

Sampling Time: 1415      Sampling Date: 08/28/06

Sample I.D.: MW-2      Laboratory: Pace Sequoia Other TA

Analyzed for:  GRO  BTEX  MTBE  DRO  Oxy's  1,2-DCA  PDB  Ethanol      Other:

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 #: 060828-SC2	Station # 3315 High St. Oakland, CA
Sampler: SC	Date: 08/28/06
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 30.12	Depth to Water: 9.36
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 <sup>2</sup> * 0.163

Purge Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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.

3.4	x	3	=	10.2	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
1346	73.4	6.8	319	3.4	cldy brown
1352	72.8	6.7	321	6.8	ll ll
1358	72.4	6.5	324	10.2	ll ll

Did well dewater? Yes  No  Gallons actually evacuated: 10.2

Sampling Time: 1405 Sampling Date: 08/28/06

Sample I.D.: MW-4 Laboratory: Pace Sequoia Other TR

Analyzed for: GRO BTEX MTBE DRO Oxy's 2-DCA EDB Ethanol Other:

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



**APPENDIX B**

**GEOTRACKER UPLOAD CONFIRMATION**

11124

## Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

### UPLOADING A GEO\_WELL FILE

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

**Submittal Title:** 3Q06 GEO\_WELL  
**Submittal Date/Time:** 10/20/2006 10:12:12 AM  
**Confirmation Number:** 6063017129

[Back to Main Menu](#)

Logged in as BROADBENT-C  
(CONTRACTOR)

[CONTACT SITE ADMINISTRATOR](#)



# Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

Your EDF file has been successfully uploaded!

**Confirmation Number:** 3137909412

**Date/Time of Submittal:** 10/20/2006 10:07:34 AM

**Facility Global ID:** T0600100919

**Facility Name:** BP

**Submittal Title:** 3Q06 GW Monitoring

**Submittal Type:** GW Monitoring Report

Click [here](#) to view the detections report for this upload.

BP 3315 HIGH ST OAKLAND, CA 94619	<u>Regional Board - Case #: 01-0996</u> SAN FRANCISCO BAY RWQCB (REGION 2) <u>Local Agency (lead agency) - Case #: 1075</u> ALAMEDA COUNTY LOP - (SP)
---	--

<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
3137909412	3Q06 GW Monitoring	Q3 2006
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	10/20/2006	PENDING REVIEW

## SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	3
# FIELD POINTS WITH DETECTIONS	2
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

## METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	Y
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**

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS &gt; REPDL</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.